



September 18, 2014

RECEIVED

SEP 18 2014

N.C. Dept of Insurance  
Property & Casualty

Honorable Wayne Goodwin  
Commissioner  
NC Department of Insurance  
PO Box 26387  
Raleigh, North Carolina 27611

Re: Workers Compensation Insurance  
2014 Loss Costs Filing

Dear Commissioner Goodwin:

Pursuant to the provisions of Article 36, Chapter 58 of the General Statutes of North Carolina, enclosed is the filing for workers compensation insurance prospective advisory loss costs, rating values and miscellaneous values applicable to new and renewal policies becoming effective on or after April 1, 2015.

The enclosed memoranda, exhibits, testimony and other supporting detail explain the calculations underlying, on average, a 3.4% decrease from loss costs approved effective April 1, 2014. By industry group, the changes are: Manufacturing 2.3% decrease; Contracting 2.8% decrease; Office & Clerical 5.0% decrease; Goods & Services 4.4% decrease; and Miscellaneous 2.5% decrease. Within each industry group, the change will vary from the average by classification depending upon the volume and character of the particular classification experience.

The advisory loss costs for classifications which contemplate exposure under the United States Longshore and Harbor Workers' Compensation Act ("F" Classifications) are also included. Appendix B-V sets forth and explains the calculations which produce a 2.4% decrease in the "F" classification advisory loss costs currently in effect.

The prospective advisory loss costs are based on historical data that have been developed and trended to their ultimate values and, except for loss adjustment expenses which are specifically authorized by statute to be included in the loss costs, include no provision for expenses, dividends, profit or contingencies.

Information and statistical data required pursuant to NCGS §58-36-15 and 11 NCAC 10.1111 are submitted. Additionally, the prefiled testimony of (1) Raymond F. Evans, Jr., CPCU, General Manager — North Carolina Rate Bureau, (b) Jay A. Rosen, FCAS, MAAA — National Council on Compensation Insurance, Inc. and (c) Mark Mulvaney, FCAS, MAAA — Milliman, Inc. are enclosed.

Subsequent to the approval of the loss costs reference filing, a copy of the approved reference filing will be provided to our member companies.

Sincerely,

Raymond F. Evans, Jr., CPCU  
General Manager

RFE:dms  
Enclosures

# NORTH CAROLINA - LOSS COSTS

## SUMMARY

Proposed Effective Date

April 1, 2015

### I. Industrial Classifications

Overall Proposed Change in Lost Cost Level

- New and Renewal Policies -3.4%

By Industry Group

Manufacturing -2.3%

Contracting -2.8%

Office and Clerical -5.0%

Goods and Services -4.4%

Miscellaneous -2.5%

Overall -3.4%

### II. Federal Classifications

Overall Proposed Change in Lost Cost Level

- New and Renewal Policies -2.4%

### II. Summary of Miscellaneous Changes

Current

Proposed

A. USL&HW %

92%

91%



## **NORTH CAROLINA – LOSS COSTS**

### **TABLE OF CONTENTS**

- Exhibit I - Determination of Indicated Loss Cost Level Change
- Exhibit II - Workers Compensation Loss-based Expense Provision
- Exhibit III - Proposed Loss Costs and Rating Values
- Appendix A - Factors Underlying Voluntary Loss Cost and Assigned Risk Rate Level Change
  - A-I - Determination of Policy Year On-level Factors
  - A-II - Determination of Premium and Losses Developed to an Ultimate Report
  - A-III - Policy Year Trend Factors
  - A-IV - Carriers Not Included in Policy Year Experience
  - A-V - Derivation of Industry Group Differentials
- Appendix B - Derivation of Voluntary Loss Costs
  - B-I - Distribution of Loss Cost Level Change to Occupational Classification
  - B-II - Individual Classification Experience
  - B-III - Adjustments to Obtain Loss Costs
  - B-IV - Derivation of Proposed Loss Cost - Code 8810
  - B-V - Determination and Distribution of Premium Level Change to "F" Classifications
- Appendix C - Memoranda for Laws and Assessments
  - C-I - Impact Due to the Change in the Maximum Weekly Benefit, Effective January 1, 2014
  - C-II - Impact Due to Senate Bill 744, Effective August 7, 2014
  - C-III - Longshore and Harbor Workers' Compensation Act - October 1, 2013 Benefit Change
  - C-IV - Longshore and Harbor Workers' Compensation Act Assessment
- Appendix D - North Carolina Data Reporting Requirements
- Appendix E - Comparison of 4/1/2014 and 4/1/2015 Loss Costs
- Supplemental Material



## NORTH CAROLINA

### EXHIBIT I

#### Determination of Indicated Loss Cost Level Change

##### Section A - Policy Year 2012 Experience

##### Premium:

(1) Standard Earned Premium Developed to Ultimate (Appendix A-II)	\$990,455,242
(2) Premium On-level Factor (Appendix A-I)	0.957
(3) Premium Available for Benefit Costs = (1) x (2)	\$947,865,667

##### Indemnity Benefit Cost:

(4) Limited Indemnity Losses Developed to Ultimate (Appendix A-II)	\$390,870,023
(5) Indemnity Loss On-level Factor (Appendix A-I)	1.003
(6) Factor to Include Loss Adjustment Expense (Exhibit II)	1.170
(7) Composite Adjustment Factor = (5) x (6)	1.174
(8) Adjusted Limited Indemnity Losses = (4) x (7)	\$458,881,407
(9) Adjusted Limited Indemnity Cost Ratio excluding Trend and Benefits = (8) / (3)	0.484
(10) Factor to Reflect Indemnity Trend (Appendix A-III)	0.967
(11) Projected Limited Indemnity Cost Ratio = (9) x (10)	0.468
(12) Factor to Adjust Indemnity Cost Ratio to an Unlimited Basis (Appendix A-II)	1.009
(13) Projected Indemnity Cost Ratio = (11) x (12)	0.472
(14) Factor to Reflect Proposed Changes in Indemnity Benefits (Appendix C)	1.004
(15) Projected Indemnity Cost Ratio including Benefit Changes = (13) x (14)	0.474

##### Medical Benefit Cost:

(16) Limited Medical Losses Developed to Ultimate (Appendix A-II)	\$392,101,921
(17) Medical Loss On-level Factor (Appendix A-I)	0.983
(18) Factor to Include Loss Adjustment Expense (Exhibit II)	1.170
(19) Composite Adjustment Factor = (17) x (18)	1.150
(20) Adjusted Limited Medical Losses = (16) x (19)	\$450,917,209
(21) Adjusted Limited Medical Cost Ratio excluding Trend and Benefits = (20) / (3)	0.476
(22) Factor to Reflect Medical Trend (Appendix A-III)	1.000
(23) Projected Limited Medical Cost Ratio = (21) x (22)	0.476
(24) Factor to Adjust Medical Cost Ratio to an Unlimited Basis (Appendix A-II)	1.009
(25) Projected Medical Cost Ratio = (23) x (24)	0.480
(26) Factor to Reflect Proposed Changes in Medical Benefits (Appendix C)	0.992
(27) Projected Medical Cost Ratio including Benefit Changes = (25) x (26)	0.476

##### Total Benefit Cost:

(28) Indicated Change Based on Experience, Trend and Benefits = (15) + (27)	0.950
---	-------

## NORTH CAROLINA

### EXHIBIT I

#### Determination of Indicated Loss Cost Level Change

##### Section B - Policy Year 2011 Experience

##### Premium:

(1) Standard Earned Premium Developed to Ultimate (Appendix A-II)	\$974,750,658
(2) Premium On-level Factor (Appendix A-I)	0.966
(3) Premium Available for Benefit Costs = (1) x (2)	\$941,609,136

##### Indemnity Benefit Cost:

(4) Limited Indemnity Losses Developed to Ultimate (Appendix A-II)	\$415,409,502
(5) Indemnity Loss On-level Factor (Appendix A-I)	1.003
(6) Factor to Include Loss Adjustment Expense (Exhibit II)	1.170
(7) Composite Adjustment Factor = (5) x (6)	1.174
(8) Adjusted Limited Indemnity Losses = (4) x (7)	\$487,690,755
(9) Adjusted Limited Indemnity Cost Ratio excluding Trend and Benefits = (8) / (3)	0.518
(10) Factor to Reflect Indemnity Trend (Appendix A-III)	0.957
(11) Projected Limited Indemnity Cost Ratio = (9) x (10)	0.496
(12) Factor to Adjust Indemnity Cost Ratio to an Unlimited Basis (Appendix A-II)	1.009
(13) Projected Indemnity Cost Ratio = (11) x (12)	0.500
(14) Factor to Reflect Proposed Changes in Indemnity Benefits (Appendix C)	1.004
(15) Projected Indemnity Cost Ratio including Benefit Changes = (13) x (14)	0.502

##### Medical Benefit Cost:

(16) Limited Medical Losses Developed to Ultimate (Appendix A-II)	\$393,274,063
(17) Medical Loss On-level Factor (Appendix A-I)	0.980
(18) Factor to Include Loss Adjustment Expense (Exhibit II)	1.170
(19) Composite Adjustment Factor = (17) x (18)	1.147
(20) Adjusted Limited Medical Losses = (16) x (19)	\$451,085,350
(21) Adjusted Limited Medical Cost Ratio excluding Trend and Benefits = (20) / (3)	0.479
(22) Factor to Reflect Medical Trend (Appendix A-III)	1.000
(23) Projected Limited Medical Cost Ratio = (21) x (22)	0.479
(24) Factor to Adjust Medical Cost Ratio to an Unlimited Basis (Appendix A-II)	1.009
(25) Projected Medical Cost Ratio = (23) x (24)	0.483
(26) Factor to Reflect Proposed Changes in Medical Benefits (Appendix C)	0.992
(27) Projected Medical Cost Ratio including Benefit Changes = (25) x (26)	0.479

##### Total Benefit Cost:

(28) Indicated Change Based on Experience, Trend and Benefits = (15) + (27)	0.981
---	-------

## NORTH CAROLINA

### EXHIBIT I

#### Determination of Indicated Loss Cost Level Change

##### Section C - Indicated Change Based on Experience, Trend and Benefits

(1) Policy Year 2012 Indicated Change Based on Experience, Trend, and Benefits	0.950	(-5.0%)
(2) Policy Year 2011 Indicated Change Based on Experience, Trend, and Benefits	0.981	(-1.9%)
(3) Indicated Change Based on Experience, Trend and Benefits = $[(1)+(2)] / 2$	0.966	(-3.4%)

##### Section D - Distribution of Overall Loss Cost Level Change to Industry Groups

Industry Group Differentials (Appendix A-V):

Manufacturing	1.011
Contracting	1.006
Office & Clerical	0.983
Goods & Services	0.990
Miscellaneous	1.009

Applying these industry group differentials to the final overall loss cost level change produces the changes in loss cost level proposed for each group as shown:

Industry Group	(1) Final Overall Loss Cost Level Change	(2) Industry Group Differential	(3) = (1) x (2) Final Loss Cost Level Change by Industry Group	
Manufacturing	0.966	1.011	0.977	(-2.3%)
Contracting	0.966	1.006	0.972	(-2.8%)
Office & Clerical	0.966	0.983	0.950	(-5.0%)
Goods & Services	0.966	0.990	0.956	(-4.4%)
Miscellaneous	0.966	1.009	0.975	(-2.5%)
Overall	0.966	1.000	0.966	(-3.4%)





**North Carolina**

## Loss Adjustment Expense Provision

	<u>Current Provision</u>	<u>Selected Provision</u>
Loss Adjustment Expense (See Exhibit II-A, Sheet 1)	16.5%	17.0%

## North Carolina

### Derivation of Loss Adjustment Expense Provision

	<u>COUNTRYWIDE</u>			<u>NORTH CAROLINA</u>		
(1) <u>Year</u>	(2) Accident Year Developed LAE <u>Ratio+</u>	(3) Accident Year Developed DCCE <u>Ratio+</u>	(4) Accident Year Developed AOE <u>Ratio+</u>	(5) Accident Year DCCE Ratio Adjusted to NC Relativity <u>(3) x 0.731<sup>^</sup></u>	(6) Accident Year LAE Ratio Adjusted to NC Relativity <u>(4) + (5)</u>	(7) <u>Calendar Year</u>
2009	19.0%	11.5%	7.5%	8.4%	15.9%	17.6%
2010	19.0%	11.8%	7.2%	8.6%	15.8%	18.1%
2011	19.2%	12.3%	6.9%	9.0%	15.9%	16.0%
2012	20.2%	12.9%	7.3%	9.4%	16.7%	16.3%
2013	20.9%	13.3%	7.6%	9.7%	17.3%	17.5%
Current North Carolina Loss Adjustment Expense Provision						16.5%
Selected North Carolina Loss Adjustment Expense Provision						17.0%

+ Source: NCCI Call for Loss Adjustment Expense (See Exhibit RB-4).

<sup>^</sup> Exhibit II-A, Sheet 2.

## North Carolina

### Derivation of North Carolina DCCE relativity

	(1)	(2)	(3)
	Calendar Years 2012 and 2013 <u>Paid Losses* ('000s)</u>	Calendar Years 2012 and 2013 <u>Paid DCCE* ('000s)</u>	DCCE Ratio <u>(2)/(1)</u>
(a) North Carolina	\$1,632,701	\$142,259	8.7%
(b) Countrywide	47,143,764	5,629,562	11.9%
 North Carolina DCCE relativity (3a) / (3b)			 0.731
 Selected DCCE relativity			 0.731

\* Source: Annual Statement Statutory Page 14 data, excluding state funds, collected and aggregated by NCCI, Inc.



**ADVISORY LOSS COSTS - NOT RATES**

**NORTH CAROLINA**

Advisory loss costs exclude all expense provisions except loss adjustment expense.

Exhibit III

Page S1

Effective April 1, 2015

CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO
0005	2.43	1.37	0.29	2002	2.14	1.24	0.32	2702	18.91	7.92	0.21
0008	2.11	1.12	0.25	2003	3.21	1.79	0.29	2705X*	59.29	29.18	0.23
0016	6.98	3.48	0.23	2014	4.48	2.23	0.23	2709	10.44	5.15	0.23
0034	3.75	2.10	0.29	2016	1.71	0.99	0.32	2710	8.43	3.93	0.21
0035	2.35	1.37	0.32	2021	1.93	1.02	0.26	2714	3.89	2.27	0.32
0036	3.97	2.23	0.29	2039	2.33	1.35	0.32	2727X	7.45	3.67	0.23
0037	3.93	2.09	0.25	2041	3.07	1.78	0.32	2731	3.49	1.73	0.23
0042	4.57	2.43	0.25	2065	3.58	2.00	0.29	2735	4.11	2.39	0.32
0050	6.39	3.57	0.29	2070	5.05	2.82	0.29	2759	5.17	3.00	0.32
0059D	0.38	0.08	0.21	2081	2.41	1.36	0.29	2790	1.67	0.97	0.32
0065D	0.09	0.02	0.23	2089	2.67	1.49	0.29	2791X	1.96	1.24	0.35
0066D	0.09	0.02	0.23	2095	4.23	2.37	0.29	2797	5.78	3.24	0.29
0067D	0.09	0.02	0.23	2105	2.79	1.62	0.32	2799	3.28	1.72	0.26
0079	3.61	1.80	0.23	2110	1.99	1.15	0.32	2802	4.56	2.43	0.25
0083	3.73	2.08	0.29	2111	4.73	2.77	0.32	2812	-	1.95	0.29
0106	21.15	9.87	0.21	2112	2.77	1.61	0.32	2835	2.52	1.55	0.35
0113	5.03	2.83	0.29	2114	1.61	0.94	0.32	2836	1.88	1.17	0.35
0170	3.16	1.77	0.29	2121	1.29	0.72	0.29	2841	3.45	2.00	0.32
0251	4.30	2.41	0.29	2130	2.08	1.17	0.29	2881	3.04	1.89	0.35
0400	6.64	3.51	0.26	2131	2.24	1.25	0.29	2883	3.49	1.95	0.29
0401	8.89	4.15	0.21	2143	2.27	1.33	0.32	2913	2.31	1.44	0.35
0763FN	1.83	-	-	2157	4.30	2.40	0.29	2915	2.21	1.17	0.26
0771N	0.43	-	-	2172	1.93	1.02	0.26	2916	2.62	1.22	0.21
0908P	129.00	71.81	0.29	2174	3.20	1.85	0.32	2923	1.90	1.10	0.32
0913P	501.00	279.16	0.29	2211	8.82	4.37	0.23	2942	1.93	1.19	0.35
0917	4.98	2.89	0.32	2220	2.66	1.49	0.29	2960	3.79	2.11	0.29
1005	6.68	2.78	0.21	2286	1.35	0.79	0.32	3004	1.53	0.75	0.23
1164	6.88	2.87	0.21	2288	4.06	2.35	0.32	3018	2.97	1.46	0.23
1165XD	4.15	1.90	0.22	2300	2.43	1.50	0.35	3022	6.71	3.88	0.32
1320	2.40	1.11	0.21	2302	1.76	0.98	0.29	3027	2.11	1.04	0.23
1322	9.82	4.54	0.22	2305	2.62	1.39	0.26	3028	2.71	1.52	0.29
1430	7.44	3.69	0.23	2361	2.06	1.16	0.29	3030	5.36	2.65	0.23
1438	4.12	1.91	0.21	2362	1.51	0.84	0.29	3040	5.33	2.64	0.23
1452	2.85	1.40	0.23	2380	2.21	1.24	0.29	3041	4.78	2.66	0.29
1463	8.49	3.97	0.21	2386	1.17	0.67	0.32	3042	3.72	1.97	0.26
1470X	3.73	1.82	0.24	2388	1.93	1.12	0.32	3064	4.75	2.67	0.29
1473X	1.73	0.85	0.23	2402	2.32	1.15	0.23	3069	-	1.79	0.29
1474X	2.18	1.07	0.24	2413	2.33	1.31	0.29	3076	3.20	1.79	0.29
1624D	3.14	1.45	0.22	2416	2.29	1.29	0.29	3081D	3.93	1.91	0.23
1642	2.64	1.30	0.23	2417	1.49	0.84	0.29	3082D	3.59	1.75	0.23
1654	22.00	10.78	0.23	2501	2.17	1.22	0.29	3085D	4.63	2.24	0.23
1655	3.53	1.74	0.23	2503	1.28	0.74	0.32	3110	4.78	2.67	0.29
1699	3.92	1.93	0.23	2534	1.82	1.06	0.32	3111	2.42	1.36	0.29
1701	5.92	2.92	0.23	2570	4.73	2.73	0.32	3113	1.90	1.06	0.29
1710	5.41	2.67	0.23	2585	3.62	2.10	0.32	3114	2.68	1.50	0.29
1741D	2.67	0.97	0.21	2586	2.72	1.52	0.29	3118	1.83	1.06	0.32
1747	1.97	0.97	0.23	2587	3.37	1.95	0.32	3119	0.79	0.49	0.35
1748	3.33	1.65	0.23	2589	1.87	1.05	0.29	3122	1.76	1.03	0.32
1803D	7.74	3.30	0.21	2600	2.20	1.27	0.32	3126	2.66	1.49	0.29
1852D	2.28	0.93	0.20	2623	5.33	2.83	0.25	3131	1.19	0.67	0.29
1853	1.20	0.63	0.26	2651	1.84	1.07	0.32	3132	2.85	1.59	0.29
1860	1.87	1.08	0.32	2660	2.39	1.39	0.32	3145	1.93	1.08	0.29
1924	2.28	1.32	0.32	2670	1.33	0.83	0.35	3146	2.00	1.12	0.29
1925	3.16	1.69	0.25	2683	1.21	0.70	0.32	3169	3.58	2.00	0.29
2001	-	1.79	0.29	2688	2.93	1.70	0.32	3175	3.76	2.11	0.29

\* Refer to the Footnotes Page for additional information on this class code.

**ADVISORY LOSS COSTS - NOT RATES**

Advisory loss costs exclude all expense provisions except loss adjustment expense.

Exhibit III

Page S2

Effective April 1, 2015

CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO
3179	1.58	0.91	0.32	3830	1.15	0.61	0.26	4470	1.95	1.09	0.29
3180	1.72	1.00	0.32	3851	3.62	2.10	0.32	4484	2.26	1.26	0.29
3188	1.25	0.73	0.32	3865	1.84	1.15	0.35	4493	2.12	1.18	0.29
3220	1.96	1.09	0.29	3881	3.77	2.11	0.29	4511	0.40	0.21	0.25
3223	2.62	1.63	0.35	4000	4.45	2.06	0.21	4557	2.41	1.40	0.32
3224	3.02	1.74	0.32	4021	4.44	2.20	0.23	4558	1.28	0.71	0.29
3227	2.91	1.67	0.32	4024D	3.07	1.50	0.23	4561	-	0.92	0.26
3240	2.44	1.42	0.32	4034	5.15	2.55	0.23	4568	2.18	1.07	0.23
3241	2.81	1.57	0.29	4036	2.13	1.05	0.23	4581	0.77	0.36	0.21
3255	2.04	1.26	0.35	4038	2.32	1.44	0.35	4583	5.49	2.56	0.21
3257	3.00	1.68	0.29	4053	1.96	1.10	0.29	4611	0.62	0.36	0.32
3270	2.68	1.51	0.29	4061	2.95	1.70	0.32	4635	2.80	1.17	0.21
3300	3.04	1.71	0.29	4062	2.00	1.12	0.29	4653	2.15	1.25	0.32
3303	2.92	1.69	0.32	4101	2.69	1.43	0.25	4665	7.21	3.57	0.23
3307	3.79	2.12	0.29	4109	0.51	0.30	0.32	4670	5.71	2.84	0.23
3315	3.93	2.27	0.32	4110	1.16	0.64	0.29	4683	3.24	1.81	0.29
3334	3.97	2.20	0.29	4111	1.48	0.85	0.32	4686	1.91	0.94	0.23
3336	2.74	1.35	0.23	4112	-	0.64	0.29	4692	0.50	0.29	0.32
3365	6.87	3.38	0.23	4113	1.89	1.05	0.29	4693	0.81	0.45	0.29
3372	3.58	1.90	0.25	4114	4.24	2.36	0.29	4703	1.99	1.11	0.29
3373	4.32	2.42	0.29	4130	3.50	1.96	0.29	4717	2.03	1.26	0.35
3383	0.99	0.58	0.32	4131	4.19	2.43	0.32	4720	1.63	0.91	0.29
3385	0.85	0.49	0.32	4133	2.07	1.21	0.32	4740	2.11	1.04	0.23
3400	2.83	1.51	0.25	4149	0.45	0.28	0.35	4741	1.94	1.08	0.29
3507	2.17	1.21	0.29	4150	-	0.28	0.35	4751	3.37	1.68	0.23
3515	1.56	0.87	0.29	4206	2.65	1.48	0.29	4771N	2.45	1.03	0.20
3516X	1.19	0.68	0.32	4207	1.28	0.63	0.23	4777	5.52	2.32	0.20
3548	1.41	0.79	0.29	4239	2.78	1.37	0.23	4825	0.94	0.46	0.23
3559	2.06	1.15	0.29	4240	2.12	1.22	0.32	4828	1.68	0.89	0.26
3574	0.69	0.40	0.32	4243	1.72	0.96	0.29	4829	1.64	0.76	0.21
3581	1.31	0.76	0.32	4244	1.82	1.02	0.29	4902	3.17	1.84	0.32
3612	2.12	1.12	0.26	4250	1.75	0.97	0.29	4923	1.04	0.58	0.29
3620	5.77	2.86	0.23	4251	2.00	1.12	0.29	5020	6.94	3.43	0.23
3629	1.64	0.95	0.32	4263	3.38	1.91	0.29	5022	6.67	3.11	0.21
3632	2.74	1.46	0.25	4273	2.43	1.36	0.29	5037	20.89	8.72	0.21
3634	1.54	0.89	0.32	4279	2.16	1.21	0.29	5040	10.84	4.53	0.21
3635	2.08	1.17	0.29	4282	2.53	1.45	0.32	5057	8.31	3.49	0.20
3638	1.24	0.72	0.32	4283	2.20	1.23	0.29	5059	19.42	8.19	0.20
3642	1.12	0.63	0.29	4299	1.91	1.10	0.32	5069	21.69	9.00	0.21
3643	1.68	0.94	0.29	4301X	1.11	0.64	0.32	5102	5.93	2.75	0.21
3647	1.94	1.03	0.25	4304	3.91	2.08	0.25	5146	6.04	2.97	0.23
3648	1.29	0.75	0.32	4307	1.53	0.94	0.35	5160	3.34	1.55	0.21
3681	0.84	0.49	0.32	4351	1.20	0.66	0.29	5183	4.66	2.29	0.23
3685	1.07	0.62	0.32	4352	1.25	0.73	0.32	5188	5.74	2.83	0.23
3719	1.44	0.60	0.21	4360	1.37	0.79	0.32	5190	4.57	2.26	0.23
3724	3.86	1.79	0.21	4361	1.05	0.61	0.32	5191	0.68	0.38	0.29
3726	5.98	2.50	0.21	4362	-	0.79	0.32	5192	3.59	2.01	0.29
3803	2.38	1.33	0.29	4410	3.33	1.86	0.29	5213	7.08	3.30	0.21
3807	1.65	0.95	0.32	4417X	2.08	1.20	0.32	5215	4.08	2.16	0.26
3808	3.08	1.62	0.26	4420	7.70	3.56	0.22	5221	4.33	2.14	0.23
3821	5.34	2.84	0.25	4431	1.23	0.76	0.35	5222	10.81	5.03	0.21
3822X	4.47	2.37	0.26	4432	1.13	0.70	0.35	5223	4.33	2.14	0.23
3824X	3.69	1.96	0.25	4439	1.73	0.92	0.26	5348	4.95	2.44	0.23
3826	0.74	0.41	0.29	4452	2.86	1.60	0.29	5402	4.71	2.74	0.32
3827	1.66	0.88	0.25	4459	2.61	1.46	0.29	5403	6.65	3.09	0.21

\* Refer to the Footnotes Page for additional information on this class code.

**ADVISORY LOSS COSTS - NOT RATES**

**NORTH CAROLINA**

Advisory loss costs exclude all expense provisions except loss adjustment expense.

Exhibit III

Page S3

Effective April 1, 2015

CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO
5437	5.97	2.95	0.23	6826F	4.42	1.81	0.22	7453N	0.55	-	-
5443	4.28	2.39	0.29	6834	2.97	1.58	0.26	7502	2.77	1.37	0.23
5445	8.66	4.03	0.21	6836	4.55	2.25	0.23	7515	1.34	0.56	0.20
5462	6.14	3.02	0.23	6843F	10.71	3.85	0.19	7520	3.32	1.86	0.29
5472	4.46	1.86	0.21	6845F	9.68	3.48	0.19	7529X	15.32	6.43	0.20
5473	10.59	4.45	0.20	6854	4.75	1.99	0.21	7538	10.76	4.52	0.20
5474	6.50	3.02	0.21	6872F	10.41	3.71	0.19	7539	2.23	1.03	0.22
5478	3.64	1.79	0.23	6874F	16.84	6.04	0.19	7540	5.69	2.39	0.20
5479	7.10	3.77	0.26	6882	4.69	1.96	0.21	7580	3.40	1.68	0.23
5480	5.80	2.68	0.22	6884	6.56	2.72	0.21	7590	4.92	2.60	0.26
5491	2.79	1.29	0.22	7016M	3.04	1.26	0.21	7600	5.61	2.77	0.23
5506	6.08	2.56	0.20	7024M	3.38	1.40	0.21	7601	-	2.77	0.23
5507	4.60	2.14	0.21	7038M	5.01	2.12	0.20	7605	2.45	1.21	0.23
5508	13.09	6.42	0.23	7046M	6.50	2.72	0.21	7610	0.56	0.30	0.26
5535	7.69	3.82	0.23	7047M	6.04	2.35	0.21	7611	-	2.77	0.23
5537	5.71	2.82	0.23	7050M	9.96	3.95	0.20	7612	-	2.77	0.23
5551	17.04	7.18	0.20	7090M	5.57	2.36	0.20	7613	-	2.77	0.23
5606	1.59	0.74	0.21	7098M	7.22	3.02	0.21	7705	8.90	4.72	0.25
5610	6.69	3.75	0.29	7099M	12.91	5.06	0.21	7710	5.21	2.44	0.21
5645	14.26	6.65	0.21	7133	5.14	2.39	0.21	7711	5.21	2.44	0.21
5651	-	6.65	0.21	7151M	6.25	2.90	0.21	7720X	2.38	1.18	0.23
5703	17.84	8.77	0.23	7152M	12.41	5.40	0.21	7723X	3.14	1.33	0.20
5705	17.38	8.66	0.23	7153M	6.94	3.23	0.21	7855	4.57	2.24	0.23
5951	0.35	0.20	0.32	7222	8.10	3.98	0.23	8001	2.68	1.55	0.32
6003	8.46	4.16	0.23	7228	7.56	3.72	0.23	8002	1.93	1.09	0.29
6005	5.98	2.90	0.24	7229	11.09	5.12	0.22	8006	3.09	1.73	0.29
6017	5.09	2.49	0.23	7230	9.29	4.94	0.25	8008	1.37	0.80	0.32
6018	3.62	1.76	0.24	7231	8.33	4.40	0.26	8010	1.34	0.78	0.32
6045	3.83	1.88	0.23	7232	10.58	4.89	0.22	8013	0.46	0.26	0.29
6204	11.10	5.16	0.21	7309F	14.12	5.08	0.19	8015	0.80	0.45	0.29
6206	4.10	1.72	0.21	7313F	3.02	1.09	0.19	8017	1.64	0.95	0.32
6213	2.62	1.22	0.22	7317F	9.44	3.33	0.19	8018	2.23	1.29	0.32
6214	3.08	1.29	0.21	7323FNX	4.27	1.45	0.20	8021	2.33	1.31	0.29
6216	7.40	3.09	0.21	7327F	13.22	4.80	0.19	8031	3.32	1.87	0.29
6217	6.35	2.95	0.21	7333M	4.55	1.88	0.21	8032	1.86	1.08	0.32
6229	4.12	1.91	0.21	7335M	5.06	2.09	0.21	8033	1.85	1.04	0.29
6233	3.72	1.72	0.22	7337M	9.05	3.50	0.21	8037	1.56	0.91	0.32
6235	7.53	3.14	0.21	7350F	9.51	3.74	0.20	8039	2.35	1.37	0.32
6236	12.26	6.04	0.23	7360	4.67	2.30	0.23	8044	3.44	1.82	0.26
6237	1.96	0.96	0.23	7370	6.35	3.55	0.29	8045	0.51	0.30	0.32
6251D	8.64	3.98	0.22	7380	4.93	2.60	0.26	8046	2.67	1.50	0.29
6252D	5.33	2.21	0.21	7382	5.60	3.13	0.29	8047	0.97	0.56	0.32
6260	5.35	2.21	0.21	7390	5.16	2.88	0.29	8058	3.12	1.75	0.29
6306	5.55	2.58	0.21	7394M	5.13	2.12	0.21	8072	0.69	0.40	0.32
6319	5.96	2.77	0.21	7395M	5.70	2.36	0.21	8102	1.35	0.79	0.32
6325	5.78	2.68	0.21	7398M	10.19	3.95	0.21	8103	2.61	1.39	0.25
6400	6.02	3.19	0.26	7402	0.16	0.09	0.29	8105	2.27	1.32	0.32
6503	2.05	1.19	0.32	7403	4.80	2.38	0.23	8106	4.29	2.12	0.23
6504	2.33	1.35	0.32	7405N	2.02	1.00	0.23	8107	3.84	1.90	0.23
6702M*	5.55	2.73	0.23	7420	15.26	6.27	0.21	8111	2.07	1.15	0.29
6703M*	11.03	5.07	0.23	7421	1.30	0.60	0.22	8116	2.91	1.63	0.29
6704M*	6.17	3.03	0.23	7422	2.11	0.89	0.21	8203	6.47	3.63	0.29
6801F	2.80	1.16	0.22	7425	3.29	1.36	0.21	8204	2.81	1.39	0.23
6811	7.95	3.91	0.23	7431N	1.66	0.69	0.21	8209	3.15	1.76	0.29
6824F	7.65	3.02	0.20	7445N	0.67	-	-	8215	3.46	1.71	0.23

\* Refer to the Footnotes Page for additional information on this class code.



**ADVISORY LOSS COSTS - NOT RATES**

**NORTH CAROLINA**

Advisory loss costs exclude all expense provisions except loss adjustment expense.

Exhibit III

Page S4

Effective April 1, 2015

CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO	CLASS CODE	LOSS COST	ELR	D RATIO
8227	4.61	1.94	0.21	8837	-	0.86	0.29	9600	2.11	1.22	0.32
8232	4.35	2.15	0.23	8842X	2.16	1.21	0.29	9620	1.08	0.58	0.25
8233	2.98	1.46	0.24	8848X	2.48	1.39	0.29				
8235	4.90	2.75	0.29	8849X	3.16	1.77	0.29				
8236X	5.61	2.75	0.23	8855	0.16	0.09	0.29				
8263	6.25	3.33	0.25	8856	0.16	0.09	0.29				
8264	4.76	2.36	0.23	8864X	1.53	0.86	0.29				
8265	6.19	2.89	0.21	8868	0.47	0.27	0.32				
8279	7.58	3.56	0.21	8869	1.12	0.65	0.32				
8288	8.41	4.18	0.23	8871	0.12	0.07	0.32				
8291	4.46	2.38	0.25	8901	0.20	0.11	0.26				
8292	3.69	2.06	0.29	9012	1.25	0.66	0.25				
8293	11.84	5.83	0.23	9014	2.72	1.52	0.29				
8304	4.40	2.17	0.23	9015	3.46	1.94	0.29				
8350	8.31	3.86	0.21	9016	2.92	1.65	0.29				
8380	2.57	1.36	0.26	9019	2.61	1.29	0.23				
8381	2.13	1.14	0.25	9033	1.85	1.03	0.29				
8385	2.62	1.29	0.23	9040	3.09	1.80	0.32				
8392	2.56	1.44	0.29	9044	1.59	0.92	0.32				
8393	1.69	0.94	0.29	9052	2.18	1.27	0.32				
8500	5.99	2.97	0.23	9058	1.34	0.83	0.35				
8601	0.56	0.30	0.26	9059	-	0.65	0.32				
8602	0.88	0.47	0.26	9060	1.31	0.76	0.32				
8603	0.11	0.06	0.29	9061	1.10	0.68	0.35				
8606	3.17	1.47	0.21	9062	1.37	0.85	0.35				
8709F	3.96	1.43	0.19	9063	0.99	0.58	0.32				
8710X	2.25	1.10	0.23	9077F	1.81	0.82	0.28				
8719	3.25	1.36	0.21	9082	1.32	0.82	0.35				
8720	1.99	0.98	0.23	9083	1.33	0.83	0.35				
8721	0.29	0.14	0.23	9084	1.25	0.70	0.29				
8723	0.16	0.09	0.29	9089	1.29	0.76	0.32				
8725	2.11	1.04	0.23	9093	1.28	0.75	0.32				
8726F	2.84	1.17	0.22	9101	3.21	1.87	0.32				
8734M	0.53	0.26	0.23	9102	2.74	1.54	0.29				
8737M	0.47	0.23	0.23	9154	2.02	1.13	0.29				
8738M	0.94	0.43	0.23	9156	2.70	1.43	0.26				
8742	0.39	0.19	0.23	9170	5.02	2.12	0.20				
8745	4.80	2.57	0.25	9178	6.75	4.22	0.35				
8748	0.67	0.35	0.26	9179	12.58	7.32	0.32				
8755	0.45	0.22	0.23	9180	4.15	2.07	0.23				
8799	0.49	0.28	0.29	9182	1.94	1.10	0.29				
8800	1.09	0.68	0.35	9186	16.89	7.93	0.21				
8803	0.09	0.04	0.23	9220	4.51	2.40	0.25				
8805M	0.22	0.12	0.29	9402	6.11	3.01	0.23				
8810	0.16	0.09	0.29	9403	8.21	3.82	0.21				
8814M	0.19	0.11	0.29	9410	2.76	1.55	0.29				
8815M	0.39	0.20	0.29	9501	3.22	1.71	0.25				
8820	0.15	0.08	0.26	9505	2.80	1.48	0.26				
8824	3.15	1.83	0.32	9516	5.15	2.55	0.23				
8825	1.64	1.02	0.35	9519	3.94	1.95	0.23				
8826	3.02	1.69	0.29	9521	4.49	2.22	0.23				
8831	1.25	0.71	0.29	9522	1.78	0.99	0.29				
8832	0.38	0.21	0.29	9534	8.41	3.89	0.22				
8833	1.44	0.81	0.29	9554	14.27	6.65	0.21				
8835	2.60	1.45	0.29	9586	0.59	0.36	0.35				

\* Refer to the Footnotes Page for additional information on this class code.

Effective April 1, 2015

FOOTNOTES

D Advisory loss cost for classification already includes the specific disease loading shown in the table below. See **Basic Manual** Rule 3-A-7.

Disease			Disease			Disease		
Code No.	Loading	Symbol	Code No.	Loading	Symbol	Code No.	Loading	Symbol
0059D	0.38	S	1624D	0.02	S	3082D	0.06	S
0065D	0.09	S	1741D	0.36	S	3085D	0.09	S
0066D	0.09	S	1803D	0.65	S	4024D	0.03	S
0067D	0.09	S	1852D	0.07	Asb	6251D	0.05	S
1165XD	0.04	S	3081D	0.07	S	6252D	0.04	S

Asb=Asbestos, S=Silica

F Advisory loss cost provides for coverage under the United States Longshore and Harbor Workers Compensation Act and its extensions. Loss cost contains a provision for USL&HW Assessment.

M Risks are subject to Admiralty Law or Federal Employers Liability Act (FELA). However, the published loss cost is for risks that voluntarily purchase standard workers compensation and employers liability coverage. A provision for the USL&HW Assessment is included for those classifications under Program II USL Act.

N This code is part of a ratable / non-ratable group shown below. The statistical non-ratable code and corresponding advisory loss cost are applied in addition to the basic classification when determining premium.

Class Code	Non-Ratable Element Code
4771	0771
7323F	0763F
7405	7445
7431	7453

P Classification is computed on a per capita basis.

X Refer to special classification phraseology in these pages which is applicable in this state.

**\* Class Codes with Specific Footnotes**

- 2705 An upset payroll of \$4.00 per cord shall be used for premium computation purposes in all instances.
- 6702 Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way - no work on elevated railroads. Otherwise, assign appropriate construction or erection code loss cost and elr each x 1.215.
- 6703 Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way - no work on elevated railroads. Otherwise, assign appropriate construction or erection class loss cost x 2.414 and elr x 2.261.
- 6704 Loss cost and rating values only appropriate for laying or relaying of tracks or maintenance of way - no work on elevated railroads. Otherwise, assign appropriate construction or erection class loss cost and elr each x 1.35.

Effective April 1, 2015

ADVISORY MISCELLANEOUS VALUES

**Advisory Loss Elimination Ratios** - The following percentages represent the portion of total loss eliminated per claim and are applicable by hazard group. They do not include a safety factor.

Advisory Loss Elimination Ratios							
Deductible Amount	HAZARD GROUP						
	A	B	C	D	E	F	G
\$100	1.1%	0.8%	0.7%	0.5%	0.3%	0.2%	0.2%
\$200	2.0%	1.6%	1.3%	0.9%	0.6%	0.4%	0.4%
\$300	2.8%	2.2%	1.8%	1.3%	0.9%	0.6%	0.5%
\$400	3.5%	2.7%	2.2%	1.6%	1.2%	0.8%	0.7%
\$500	4.2%	3.2%	2.6%	2.0%	1.4%	0.9%	0.8%
\$1,000	6.5%	5.0%	4.2%	3.2%	2.4%	1.6%	1.4%
\$1,500	8.2%	6.3%	5.4%	4.2%	3.1%	2.2%	1.9%
\$2,000	9.6%	7.4%	6.4%	5.0%	3.8%	2.7%	2.4%
\$2,500	10.8%	8.3%	7.3%	5.7%	4.4%	3.2%	2.8%
\$5,000	15.4%	12.0%	10.7%	8.6%	6.9%	5.3%	4.6%

**Basis of premium** applicable in accordance with *Basic Manual* footnote instructions for Code 7370 --"Taxicab Co.":

Employee operated vehicle.....	\$64,100
Leased or rented vehicle.....	\$42,700

**Catastrophe (other than Certified Acts of Terrorism)** - (Advisory Loss Cost)..... \$0.01

**Maximum Weekly Payroll** applicable in accordance with *Basic Manual* Rule 2-E-1 -- "Executive Officers" and the *Basic Manual* footnote instructions for Code 9178 -- "Athletic Sports or Park: Non-Contact Sports," and Code 9179 -- "Athletic Sports or Park: Contact Sports"..... \$1,600

**Minimum Weekly Payroll** applicable in accordance with *Basic Manual* Rule 2-E-1 -- "Executive Officers" ... \$800

**Premium Determination for Partners and Sole Proprietors** in accordance with *Basic Manual* Rule 2-E-3 (Annual Payroll)..... \$42,700

**Terrorism** - (Advisory Loss Cost) ..... \$0.01

**United States Longshore and Harbor Workers' Compensation Coverage Percentage** applicable only in connection with *Basic Manual* Rule 3-A-4..... 91%

(Multiply a Non-F classification loss cost by a factor of 1.91 to adjust for differences in benefits and loss-based expenses. This factor is the product of the adjustment for differences in benefits (1.80) and the adjustment for differences in loss-based expenses (1.06).)

**Experience Rating Eligibility**

A risk is eligible for intrastate experience rating when the payrolls or other exposures developed in the last year or last two years of the experience period produced a premium of at least \$8,000. If more than two years, an average annual premium of at least \$4,000 is required. The *Experience Rating Plan Manual* should be referenced for the latest approved eligibility amounts by state.

Effective April 1, 2015

**TABLE OF WEIGHTING VALUES  
APPLICABLE TO ALL POLICIES**

*Experience Rating Program - ERA*

Expected Losses			Weighting Values	Expected Losses			Weighting Values
0	--	2,492	0.04	1,405,259	--	1,482,772	0.44
2,493	--	10,074	0.05	1,482,773	--	1,564,774	0.45
10,075	--	17,818	0.06	1,564,775	--	1,651,665	0.46
17,819	--	25,729	0.07	1,651,666	--	1,743,898	0.47
25,730	--	33,814	0.08	1,743,899	--	1,841,982	0.48
33,815	--	56,557	0.09	1,841,983	--	1,946,493	0.49
56,558	--	84,187	0.10	1,946,494	--	2,058,084	0.50
84,188	--	108,764	0.11	2,058,085	--	2,177,502	0.51
108,765	--	132,693	0.12	2,177,503	--	2,305,600	0.52
132,694	--	156,627	0.13	2,305,601	--	2,443,361	0.53
156,628	--	180,854	0.14	2,443,362	--	2,591,922	0.54
180,855	--	205,541	0.15	2,591,923	--	2,752,607	0.55
205,542	--	230,798	0.16	2,752,608	--	2,926,963	0.56
230,799	--	256,709	0.17	2,926,964	--	3,116,813	0.57
256,710	--	283,344	0.18	3,116,814	--	3,324,320	0.58
283,345	--	310,766	0.19	3,324,321	--	3,552,067	0.59
310,767	--	339,035	0.20	3,552,068	--	3,803,169	0.60
339,036	--	368,208	0.21	3,803,170	--	4,081,413	0.61
368,209	--	398,344	0.22	4,081,414	--	4,391,452	0.62
398,345	--	429,503	0.23	4,391,453	--	4,739,067	0.63
429,504	--	461,747	0.24	4,739,068	--	5,131,533	0.64
461,748	--	495,143	0.25	5,131,534	--	5,578,127	0.65
495,144	--	529,758	0.26	5,578,128	--	6,090,879	0.66
529,759	--	565,668	0.27	6,090,880	--	6,685,667	0.67
565,669	--	602,950	0.28	6,685,668	--	7,383,892	0.68
602,951	--	641,689	0.29	7,383,893	--	8,215,107	0.69
641,690	--	681,975	0.30	8,215,108	--	9,221,310	0.70
681,976	--	723,907	0.31	9,221,311	--	10,464,261	0.71
723,908	--	767,590	0.32	10,464,262	--	12,038,661	0.72
767,591	--	813,139	0.33	12,038,662	--	14,097,484	0.73
813,140	--	860,677	0.34	14,097,485	--	16,904,964	0.74
860,678	--	910,341	0.35	16,904,965	--	20,960,204	0.75
910,342	--	962,278	0.36	20,960,205	--	27,332,714	0.76
962,279	--	1,016,650	0.37	27,332,715	--	38,803,217	0.77
1,016,651	--	1,073,633	0.38	38,803,218	--	65,567,704	0.78
1,073,634	--	1,133,421	0.39	65,567,705	--	199,390,070	0.79
1,133,422	--	1,196,229	0.40	199,390,071	AND OVER		0.80
1,196,230	--	1,262,293	0.41				
1,262,294	--	1,331,872	0.42				
1,331,873	--	1,405,258	0.43				

(a) G	11.90
(b) State Per Claim Accident Limitation	\$298,000
(c) State Multiple Claim Accident Limitation	\$596,000
(d) USL&HW Per Claim Accident Limitation	\$475,500
(e) USL&HW Multiple Claim Accident Limitation	\$951,000
(f) Employers Liability Accident Limitation	\$55,000
(g) Primary/Excess Loss Split Point	\$15,500
(h) USL&HW Act -- Expected Loss Factor -- Non-F Classes	1.78
<i>(Multiply a Non-F classification ELR by the USL&amp;HW Act - Expected Loss Factor of 1.78.)</i>	

Effective April 1, 2015  
**TABLE OF BALLAST VALUES**  
**APPLICABLE TO ALL POLICIES**  
*Experience Rating Plan - ERA*

Expected Losses	Ballast Values	Expected Losses	Ballast Values	Expected Losses	Ballast Values
0 -- 64,008	29,750	2,053,952 -- 2,113,417	238,000	4,135,848 -- 4,195,339	446,250
64,009 -- 110,163	35,700	2,113,418 -- 2,172,886	243,950	4,195,340 -- 4,254,831	452,200
110,164 -- 163,197	41,650	2,172,887 -- 2,232,355	249,900	4,254,832 -- 4,314,323	458,150
163,198 -- 219,144	47,600	2,232,356 -- 2,291,827	255,850	4,314,324 -- 4,373,815	464,100
219,145 -- 276,452	53,550	2,291,828 -- 2,351,300	261,800	4,373,816 -- 4,433,307	470,050
276,453 -- 334,479	59,500	2,351,301 -- 2,410,774	267,750	4,433,308 -- 4,492,800	476,000
334,480 -- 392,926	65,450	2,410,775 -- 2,470,249	273,700	4,492,801 -- 4,552,293	481,950
392,927 -- 451,637	71,400	2,470,250 -- 2,529,726	279,650	4,552,294 -- 4,611,786	487,900
451,638 -- 510,526	77,350	2,529,727 -- 2,589,204	285,600	4,611,787 -- 4,671,279	493,850
510,527 -- 569,538	83,300	2,589,205 -- 2,648,682	291,550	4,671,280 -- 4,730,772	499,800
569,539 -- 628,640	89,250	2,648,683 -- 2,708,162	297,500	4,730,773 -- 4,790,266	505,750
628,641 -- 687,809	95,200	2,708,163 -- 2,767,642	303,450	4,790,267 -- 4,849,760	511,700
687,810 -- 747,030	101,150	2,767,643 -- 2,827,123	309,400	4,849,761 -- 4,909,253	517,650
747,031 -- 806,292	107,100	2,827,124 -- 2,886,606	315,350	4,909,254 -- 4,968,747	523,600
806,293 -- 865,585	113,050	2,886,607 -- 2,946,088	321,300	4,968,748 -- 5,028,242	529,550
865,586 -- 924,905	119,000	2,946,089 -- 3,005,572	327,250	5,028,243 -- 5,087,736	535,500
924,906 -- 984,246	124,950	3,005,573 -- 3,065,056	333,200	5,087,737 -- 5,147,230	541,450
984,247 -- 1,043,605	130,900	3,065,057 -- 3,124,541	339,150	5,147,231 -- 5,206,725	547,400
1,043,606 -- 1,102,979	136,850	3,124,542 -- 3,184,026	345,100	5,206,726 -- 5,266,219	553,350
1,102,980 -- 1,162,366	142,800	3,184,027 -- 3,243,512	351,050	5,266,220 -- 5,325,714	559,300
1,162,367 -- 1,221,764	148,750	3,243,513 -- 3,302,998	357,000	5,325,715 -- 5,385,209	565,250
1,221,765 -- 1,281,171	154,700	3,302,999 -- 3,362,485	362,950	5,385,210 -- 5,444,704	571,200
1,281,172 -- 1,340,587	160,650	3,362,486 -- 3,421,972	368,900	5,444,705 -- 5,504,199	577,150
1,340,588 -- 1,400,009	166,600	3,421,973 -- 3,481,460	374,850	5,504,200 -- 5,563,694	583,100
1,400,010 -- 1,459,438	172,550	3,481,461 -- 3,540,948	380,800	5,563,695 -- 5,623,190	589,050
1,459,439 -- 1,518,872	178,500	3,540,949 -- 3,600,436	386,750	5,623,191 -- 5,682,250	595,000
1,518,873 -- 1,578,311	184,450	3,600,437 -- 3,659,925	392,700		
1,578,312 -- 1,637,755	190,400	3,659,926 -- 3,719,414	398,650		
1,637,756 -- 1,697,203	196,350	3,719,415 -- 3,778,904	404,600		
1,697,204 -- 1,756,654	202,300	3,778,905 -- 3,838,394	410,550		
1,756,655 -- 1,816,108	208,250	3,838,395 -- 3,897,884	416,500		
1,816,109 -- 1,875,565	214,200	3,897,885 -- 3,957,374	422,450		
1,875,566 -- 1,935,025	220,150	3,957,375 -- 4,016,865	428,400		
1,935,026 -- 1,994,487	226,100	4,016,866 -- 4,076,356	434,350		
1,994,488 -- 2,053,951	232,050	4,076,357 -- 4,135,847	440,300		

For Expected Losses greater than \$5,682,250, the Ballast Value can be calculated using the following formula (rounded to the nearest 1):

$$\text{Ballast} = (0.10)(\text{Expected Losses}) + 2500(\text{Expected Losses})(11.90) / (\text{Expected Losses} + (700)(11.90))$$

G = 11.90

**RETROSPECTIVE RATING PLAN MANUAL  
STATE SPECIAL RATING VALUES**

**NORTH CAROLINA  
RR 1  
Exhibit III**

*Effective April 1, 2015*

**1. Hazard Group Differentials**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
1.25	0.98	0.90	0.75	0.63	0.52	0.43

**2. 2013 Table of Expected Loss Ranges**

Effective January 1, 2013

**3.**

**Excess Loss Pure Premium Factors**  
(Applicable to New and Renewal Policies)

<b>Per Accident Limitation</b>	<b>Hazard Groups</b>						
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
\$10,000	0.671	0.707	0.722	0.745	0.765	0.782	0.793
\$15,000	0.627	0.669	0.686	0.712	0.736	0.757	0.772
\$20,000	0.591	0.637	0.655	0.684	0.711	0.734	0.752
\$25,000	0.559	0.609	0.628	0.659	0.688	0.714	0.735
\$30,000	0.532	0.584	0.604	0.637	0.668	0.695	0.719
\$35,000	0.508	0.561	0.582	0.616	0.650	0.678	0.704
\$40,000	0.487	0.541	0.562	0.598	0.632	0.662	0.690
\$50,000	0.450	0.506	0.528	0.565	0.602	0.633	0.665
\$75,000	0.382	0.438	0.463	0.501	0.541	0.575	0.613
\$100,000	0.334	0.390	0.415	0.453	0.496	0.530	0.572
\$125,000	0.299	0.354	0.379	0.416	0.459	0.494	0.539
\$150,000	0.271	0.325	0.350	0.386	0.430	0.464	0.511
\$175,000	0.249	0.301	0.326	0.361	0.405	0.439	0.487
\$200,000	0.230	0.281	0.306	0.340	0.384	0.417	0.466
\$225,000	0.215	0.264	0.289	0.322	0.365	0.398	0.448
\$250,000	0.201	0.249	0.274	0.306	0.349	0.381	0.432
\$275,000	0.190	0.236	0.261	0.292	0.335	0.366	0.417
\$300,000	0.179	0.225	0.249	0.280	0.322	0.352	0.404
\$325,000	0.170	0.215	0.239	0.269	0.310	0.340	0.392
\$350,000	0.162	0.206	0.230	0.258	0.300	0.328	0.381
\$375,000	0.155	0.197	0.221	0.249	0.290	0.318	0.371
\$400,000	0.148	0.190	0.213	0.241	0.281	0.309	0.361
\$425,000	0.142	0.183	0.206	0.233	0.273	0.300	0.353
\$450,000	0.136	0.176	0.199	0.226	0.265	0.292	0.345
\$475,000	0.131	0.171	0.193	0.219	0.258	0.284	0.337
\$500,000	0.126	0.165	0.188	0.213	0.252	0.277	0.330
\$600,000	0.110	0.147	0.168	0.192	0.229	0.253	0.305
\$700,000	0.098	0.132	0.153	0.175	0.211	0.234	0.286
\$800,000	0.088	0.120	0.141	0.162	0.197	0.218	0.269
\$900,000	0.080	0.111	0.130	0.150	0.184	0.205	0.255
\$1,000,000	0.073	0.102	0.121	0.140	0.173	0.193	0.243
\$2,000,000	0.039	0.059	0.073	0.086	0.112	0.128	0.171
\$3,000,000	0.025	0.040	0.052	0.062	0.083	0.096	0.134
\$4,000,000	0.018	0.030	0.040	0.048	0.066	0.077	0.110
\$5,000,000	0.014	0.024	0.032	0.039	0.054	0.064	0.093
\$6,000,000	0.011	0.019	0.026	0.032	0.045	0.054	0.080
\$7,000,000	0.009	0.016	0.022	0.027	0.039	0.046	0.070
\$8,000,000	0.008	0.014	0.019	0.023	0.034	0.041	0.061
\$9,000,000	0.006	0.012	0.016	0.020	0.029	0.036	0.054
\$10,000,000	0.006	0.010	0.014	0.018	0.026	0.032	0.049

Effective April 1, 2015

**Excess Loss and Allocated  
Expense Pure Premium Factors**  
(Applicable to New and Renewal Policies)

Per Accident Limitation	Hazard Groups						
	A	B	C	D	E	F	G
\$10,000	0.744	0.783	0.797	0.821	0.842	0.861	0.872
\$15,000	0.698	0.743	0.760	0.788	0.812	0.835	0.849
\$20,000	0.660	0.709	0.727	0.758	0.786	0.811	0.829
\$25,000	0.627	0.679	0.699	0.732	0.763	0.790	0.811
\$30,000	0.598	0.652	0.673	0.708	0.741	0.770	0.794
\$35,000	0.572	0.628	0.650	0.687	0.722	0.752	0.778
\$40,000	0.549	0.607	0.629	0.667	0.704	0.735	0.764
\$50,000	0.509	0.569	0.593	0.632	0.671	0.705	0.737
\$75,000	0.436	0.497	0.523	0.563	0.606	0.643	0.682
\$100,000	0.385	0.445	0.471	0.512	0.557	0.595	0.638
\$125,000	0.346	0.405	0.432	0.472	0.518	0.556	0.602
\$150,000	0.316	0.374	0.401	0.440	0.486	0.523	0.572
\$175,000	0.292	0.348	0.375	0.413	0.459	0.496	0.547
\$200,000	0.271	0.326	0.353	0.390	0.436	0.472	0.524
\$225,000	0.254	0.307	0.334	0.370	0.416	0.451	0.504
\$250,000	0.239	0.291	0.318	0.353	0.399	0.433	0.487
\$275,000	0.226	0.277	0.303	0.337	0.383	0.417	0.471
\$300,000	0.214	0.264	0.290	0.324	0.369	0.402	0.456
\$325,000	0.204	0.253	0.279	0.311	0.356	0.388	0.443
\$350,000	0.195	0.243	0.268	0.300	0.344	0.376	0.431
\$375,000	0.186	0.233	0.259	0.290	0.334	0.365	0.420
\$400,000	0.179	0.225	0.250	0.280	0.324	0.355	0.410
\$425,000	0.172	0.217	0.242	0.272	0.315	0.345	0.400
\$450,000	0.165	0.210	0.234	0.264	0.307	0.336	0.391
\$475,000	0.159	0.203	0.227	0.256	0.299	0.328	0.383
\$500,000	0.154	0.197	0.221	0.249	0.291	0.320	0.375
\$600,000	0.135	0.176	0.199	0.226	0.266	0.293	0.348
\$700,000	0.120	0.159	0.182	0.207	0.246	0.272	0.326
\$800,000	0.109	0.145	0.167	0.191	0.229	0.254	0.308
\$900,000	0.099	0.134	0.155	0.178	0.215	0.239	0.292
\$1,000,000	0.091	0.124	0.145	0.167	0.203	0.226	0.279
\$2,000,000	0.049	0.072	0.088	0.103	0.132	0.150	0.197
\$3,000,000	0.032	0.050	0.062	0.075	0.098	0.113	0.154
\$4,000,000	0.024	0.038	0.048	0.058	0.078	0.091	0.127
\$5,000,000	0.018	0.030	0.038	0.047	0.064	0.075	0.107
\$6,000,000	0.014	0.024	0.031	0.039	0.054	0.064	0.092
\$7,000,000	0.012	0.020	0.026	0.033	0.046	0.055	0.081
\$8,000,000	0.010	0.017	0.022	0.028	0.040	0.048	0.071
\$9,000,000	0.008	0.015	0.019	0.024	0.035	0.042	0.063
\$10,000,000	0.007	0.013	0.017	0.021	0.031	0.037	0.057

4.

**Retrospective Pure Premium Development Factors**

1st Adj.	With Loss Limit			1st Adj.	Without Loss Limit		
	2nd Adj.	3rd Adj.	4th Adj.		2nd Adj.	3rd Adj.	4th Adj.
0.07	0.05	0.04	0.04	0.31	0.23	0.16	0.15

**NORTH CAROLINA**

**APPENDIX A-I**

**Determination of Policy Year On-level Factors**

**Section A - Factor Adjusting 2012 Policy Year Assigned Risk Premium to Present Assigned Risk Level**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Date	Rate Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)	Adj. For Expense Constant Removal @	Adj. For Expense Removal	Adj. For MPM Removal*	Premium Adjustment Factor (5)x(6)x(7)x(8)
NR 04/01/11	Base	1.000	1.000	1.000	1.083	0.903	0.695	0.948	0.645
NR 01/01/13	0.991	0.991							
NR 04/01/13	1.048	1.039							
NR 04/01/14	1.042	1.083							
				<u>1.000</u>					

**Section B - Factor Adjusting 2012 Policy Year Voluntary Premium to Present Voluntary Level**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Date	Loss Cost Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)	Adj. For Expense Constant Removal @	Adj. For MPM Removal*	Premium Adjustment Factor (5)x(6)x(7)
NR 04/01/11	Base	1.000	1.000	1.000	0.989	1.000	1.000	0.989
NR 01/01/13	0.991	0.991						
NR 04/01/13	0.995	0.986						
NR 04/01/14	1.003	0.989						
				<u>1.000</u>				

**Section C - Factor Adjusting 2012 Policy Year Assigned Risk Premium and Voluntary Premium to Present Statewide Level**

(1) Assigned Risk Market Share PY 2012	0.054
(2) Voluntary Market Share PY 2012	0.946
(3) Assigned Risk Standard Premium Adjustment Factor (See Sec. A)	0.645
(4) Voluntary Standard Premium Adjustment Factor (See Sec. B)	0.989
(5) Premium Adjustment Factor = [(1)x(3)]/1.630+(2)x(4) #	0.957

NR New and renewal business.

@ Eliminates premium derived from expense constants.

\* Eliminates premium derived from minimum premiums.

# Current premium index (assigned risk-to-voluntary) = 1.630



NORTH CAROLINA

APPENDIX A-I

Determination of Policy Year On-level Factors

Section D - Factor Adjusting 2012 Policy Year Indemnity Losses To Present Benefit Level

	(1)	(2)	(3)	(4)	(5)
Date	Benefit Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)
01/01/12	Base	1.000	0.596	0.596	1.003
01/01/13	1.005	1.005	0.067	0.067	
02/01/13	1.000	1.005	0.119	0.120	
04/01/13	1.000	1.005	0.218	0.219	
				<u>1.002</u>	

Section E - Factor Adjusting 2012 Policy Year Medical Losses To Present Benefit Level

	(1)	(2)	(3)	(4)	(5)
Date	Benefit Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)
01/01/12	Base	1.000	0.596	0.596	0.983
01/01/13	1.013	1.013	0.067	0.068	
02/01/13	0.992	1.005	0.119	0.120	
04/01/13	0.976	0.981	0.218	0.214	
				<u>0.998</u>	

**NORTH CAROLINA**

**APPENDIX A-I**

**Determination of Policy Year On-level Factors**

**Section F - Factor Adjusting 2011 Policy Year Assigned Risk Premium to Present Assigned Risk Level**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Date	Rate Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)	Adj. For Expense Constant Removal @	Adj. For Expense Removal	Adj. For MPM Removal*	Premium Adjustment Factor (5)x(6)x(7)x(8)
NR 04/01/10	Base	1.000	0.328	0.328	1.096	0.883	0.695	0.948	0.638
NR 04/01/11	1.041	1.041	0.672	0.700					
NR 01/01/13	0.991	1.032							
NR 04/01/13	1.048	1.082							
NR 04/01/14	1.042	1.127							
				<u>1.028</u>					

**Section G - Factor Adjusting 2011 Policy Year Voluntary Premium to Present Voluntary Level**

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Date	Loss Cost Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)	Adj. For Expense Constant Removal @	Adj. For MPM Removal*	Premium Adjustment Factor (5)x(6)x(7)
NR 04/01/10	Base	1.000	0.328	0.328	0.991	1.000	1.000	0.991
NR 04/01/11	1.006	1.006	0.672	0.676				
NR 01/01/13	0.991	0.997						
NR 04/01/13	0.995	0.992						
NR 04/01/14	1.003	0.995						
				<u>1.004</u>				

**Section H - Factor Adjusting 2011 Policy Year Assigned Risk Premium and Voluntary Premium to Present Statewide Level**

(1) Assigned Risk Market Share PY 2011	0.041
(2) Voluntary Market Share PY 2011	0.959
(3) Assigned Risk Standard Premium Adjustment Factor (See Sec. F)	0.638
(4) Voluntary Standard Premium Adjustment Factor (See Sec. G)	0.991
(5) Premium Adjustment Factor = [(1)x(3)]/1.630+(2)x(4) #	0.966

NR New and renewal business.

@ Eliminates premium derived from expense constants.

\* Eliminates premium derived from minimum premiums.

# Current premium index (assigned risk-to-voluntary) = 1.630

**NORTH CAROLINA**

**APPENDIX A-I**

**Determination of Policy Year On-level Factors**

**Section I - Factor Adjusting 2011 Policy Year Indemnity Losses To Present Benefit Level**

	(1)	(2)	(3)	(4)	(5)
Date	Benefit Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)
01/01/11	Base	1.000	0.174	0.174	1.003
06/24/11	0.979	0.979	0.423	0.414	
01/01/12	1.002	0.981	0.403	0.395	
01/01/13	1.005	0.986			
02/01/13	1.000	0.986			
04/01/13	1.000	0.986			
				<hr/>	
				0.983	

**Section J - Factor Adjusting 2011 Policy Year Medical Losses To Present Benefit Level**

	(1)	(2)	(3)	(4)	(5)
Date	Benefit Level Change	Cumulative Index	Weight	Product (2)x(3)	Adj. Factor Present Index/ Sum Column (4)
01/01/11	Base	1.000	0.174	0.174	0.980
06/24/11	0.993	0.993	0.423	0.420	
01/01/12	1.000	0.993	0.403	0.400	
01/01/13	1.013	1.006			
02/01/13	0.992	0.998			
04/01/13	0.976	0.974			
				<hr/>	
				0.994	

## NORTH CAROLINA

### APPENDIX A-II

#### Determination of Premium and Losses Developed to an Ultimate Report

##### Section A - Premium and Loss Summary Valued as of 12/31/2013

###### Policy Year 2012

(1) Standard Earned Premium	\$984,547,954
(2) Factor to Develop Premium to Ultimate	1.006
(3) Standard Earned Premium Developed to Ultimate = (1)x(2)	\$990,455,242
(4) Limited Indemnity Paid Losses	\$97,499,024
(5) Limited Indemnity Paid Development Factor to Ultimate	4.159
(6) Limited Indemnity Paid Losses Developed to Ultimate = (4)x(5)	\$405,498,441
(7) Limited Indemnity Paid+Case Losses	\$198,544,382
(8) Limited Indemnity Paid+Case Development Factor to Ultimate	1.895
(9) Limited Indemnity Paid+Case Losses Developed to Ultimate = (7)x(8)	\$376,241,604
(10) Policy Year 2012 Limited Indemnity Losses Developed to Ultimate = [(6)+(9)]/2	\$390,870,023
(11) Limited Medical Paid Losses	\$181,015,887
(12) Limited Medical Paid Development Factor to Ultimate	2.120
(13) Limited Medical Paid Losses Developed to Ultimate = (11)x(12)	\$383,753,680
(14) Limited Medical Paid+Case Losses	\$301,090,347
(15) Limited Medical Paid+Case Development Factor to Ultimate	1.330
(16) Limited Medical Paid+Case Losses Developed to Ultimate = (14)x(15)	\$400,450,162
(17) Policy Year 2012 Limited Medical Losses Developed to Ultimate = [(13)+(16)]/2	\$392,101,921

###### Policy Year 2011

(1) Standard Earned Premium	\$974,750,658
(2) Factor to Develop Premium to Ultimate	1.000
(3) Standard Earned Premium Developed to Ultimate = (1)x(2)	\$974,750,658
(4) Limited Indemnity Paid Losses	\$211,404,097
(5) Limited Indemnity Paid Development Factor to Ultimate	2.048
(6) Limited Indemnity Paid Losses Developed to Ultimate = (4)x(5)	\$432,955,591
(7) Limited Indemnity Paid+Case Losses	\$288,306,821
(8) Limited Indemnity Paid+Case Development Factor to Ultimate	1.380
(9) Limited Indemnity Paid+Case Losses Developed to Ultimate = (7)x(8)	\$397,863,413
(10) Policy Year 2011 Limited Indemnity Losses Developed to Ultimate = [(6)+(9)]/2	\$415,409,502
(11) Limited Medical Paid Losses	\$247,159,535
(12) Limited Medical Paid Development Factor to Ultimate	1.599
(13) Limited Medical Paid Losses Developed to Ultimate = (11)x(12)	\$395,208,096
(14) Limited Medical Paid+Case Losses	\$315,342,490
(15) Limited Medical Paid+Case Development Factor to Ultimate	1.241
(16) Limited Medical Paid+Case Losses Developed to Ultimate = (14)x(15)	\$391,340,030
(17) Policy Year 2011 Limited Medical Losses Developed to Ultimate = [(13)+(16)]/2	\$393,274,063

**NORTH CAROLINA**

**APPENDIX A-II**

**Determination of Premium and Losses Developed to an Ultimate Report**

**Section B - Premium Development Factors**

<u>Policy Year</u>	<u>1st/2nd</u>	<u>Policy Year</u>	<u>2nd/3rd</u>	<u>Policy Year</u>	<u>3rd/4th</u>	<u>Policy Year</u>	<u>4th/5th</u>
2009	1.003	2008	1.000	2007	1.001	2006	1.000
2010	1.009	2009	1.000	2008	1.000	2007	1.000
2011	1.007	2010	0.999	2009	1.000	2008	1.000
Average	1.006	Average	1.000	Average	1.000	Average	1.000

Summary of Premium Development Factors

<u>1st/5th</u>	<u>2nd/5th</u>	<u>3rd/5th</u>	<u>4th/5th</u>
1.006	1.000	1.000	1.000

NORTH CAROLINA

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section C1 - Limited Indemnity Paid Loss Development Factors

Policy Year	<u>1st/2nd</u>	Policy Year	<u>2nd/3rd</u>	Policy Year	<u>3rd/4th</u>	Policy Year	<u>4th/5th</u>
2010	2.036	2009	1.332	2008	1.152	2007	1.079
2011	2.025	2010	1.329	2009	1.150	2008	1.080
Average	2.031	Average	1.331	Average	1.151	Average	1.080
Policy Year	<u>5th/6th</u>	Policy Year	<u>6th/7th</u>	Policy Year	<u>7th/8th</u>	Policy Year	<u>8th/9th</u>
2006	1.048	2005	1.038	2004	1.024	2003	1.011
2007	1.054	2006	1.032	2005	1.022	2004	1.025
Average	1.051	Average	1.035	Average	1.023	Average	1.018
Policy Year	<u>9th/10th</u>	Policy Year	<u>10th/11th</u>	Policy Year	<u>11th/12th</u>	Policy Year	<u>12th/13th</u>
2002	1.017	2001	1.009	2000	1.007	1999	1.010
2003	1.011	2002	1.008	2001	1.007	2000	1.005
Average	1.014	Average	1.009	Average	1.007	Average	1.008
Policy Year	<u>13th/14th</u>	Policy Year	<u>14th/15th</u>	Policy Year	<u>15th/16th</u>	Policy Year	<u>16th/17th</u>
1998	1.002	1997	1.002	1996	1.002	1995	1.001
1999	1.006	1998	1.007	1997	1.005	1996	1.003
Average	1.004	Average	1.005	Average	1.004	Average	1.002
Policy Year	<u>17th/18th</u>	Policy Year	<u>18th/19th</u>				
1994	1.002	1993	1.001				
1995	1.001	1994	1.002				
Average	1.002	Average	1.002				

NORTH CAROLINA

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section C1 - Limited Medical Paid Loss Development Factors

Policy Year	<u>1st/2nd</u>	Policy Year	<u>2nd/3rd</u>	Policy Year	<u>3rd/4th</u>	Policy Year	<u>4th/5th</u>
2010	1.344	2009	1.102	2008	1.053	2007	1.042
2011	1.308	2010	1.108	2009	1.063	2008	1.035
Average	1.326	Average	1.105	Average	1.058	Average	1.039
Policy Year	<u>5th/6th</u>	Policy Year	<u>6th/7th</u>	Policy Year	<u>7th/8th</u>	Policy Year	<u>8th/9th</u>
2006	1.025	2005	1.029	2004	1.018	2003	1.010
2007	1.043	2006	1.017	2005	1.021	2004	1.024
Average	1.034	Average	1.023	Average	1.020	Average	1.017
Policy Year	<u>9th/10th</u>	Policy Year	<u>10th/11th</u>	Policy Year	<u>11th/12th</u>	Policy Year	<u>12th/13th</u>
2002	1.017	2001	1.016	2000	1.011	1999	1.013
2003	1.014	2002	1.015	2001	1.008	2000	1.010
Average	1.016	Average	1.016	Average	1.010	Average	1.012
Policy Year	<u>13th/14th</u>	Policy Year	<u>14th/15th</u>	Policy Year	<u>15th/16th</u>	Policy Year	<u>16th/17th</u>
1998	1.005	1997	1.006	1996	1.005	1995	1.004
1999	1.011	1998	1.009	1997	1.010	1996	1.008
Average	1.008	Average	1.008	Average	1.008	Average	1.006
Policy Year	<u>17th/18th</u>	Policy Year	<u>18th/19th</u>				
1994	1.003	1993	1.002				
1995	1.003	1994	1.002				
Average	1.003	Average	1.002				

**NORTH CAROLINA**

**APPENDIX A-II**

**Determination of Premium and Losses Developed to an Ultimate Report**

**Section C2 - Limited Indemnity Paid + Case Loss Development Factors**

<u>Policy Year</u>	<u>1st/2nd</u>	<u>Policy Year</u>	<u>2nd/3rd</u>	<u>Policy Year</u>	<u>3rd/4th</u>	<u>Policy Year</u>	<u>4th/5th</u>
2007	1.416	2006	1.194	2005	1.067	2004	1.045
2008	1.378	2007	1.160	2006	1.067	2005	1.035
2009	1.377	2008	1.146	2007	1.068	2006	1.038
2010	1.369	2009	1.140	2008	1.070	2007	1.025
2011	1.323	2010	1.130	2009	1.058	2008	1.016
Average	1.373	Average	1.154	Average	1.066	Average	1.032

<u>Policy Year</u>	<u>5th/6th</u>	<u>Policy Year</u>	<u>6th/7th</u>	<u>Policy Year</u>	<u>7th/8th</u>	<u>Policy Year</u>	<u>8th/9th</u>
2003	1.022	2002	1.011	2001	1.006	2000	1.005
2004	1.018	2003	1.013	2002	1.009	2001	1.004
2005	1.030	2004	1.014	2003	1.010	2002	1.008
2006	1.021	2005	1.008	2004	1.008	2003	1.004
2007	1.017	2006	1.011	2005	1.010	2004	1.004
Average	1.022	Average	1.011	Average	1.009	Average	1.005

<u>Policy Year</u>	<u>9th/10th</u>	<u>Policy Year</u>	<u>10th/11th</u>	<u>Policy Year</u>	<u>11th/12th</u>	<u>Policy Year</u>	<u>12th/13th</u>
1999	1.006	1998	1.004	1997	1.000	1996	1.005
2000	1.002	1999	1.001	1998	1.003	1997	1.006
2001	1.002	2000	1.005	1999	1.007	1998	1.004
2002	1.002	2001	1.002	2000	1.000	1999	1.003
2003	1.002	2002	1.005	2001	1.003	2000	1.004
Average	1.003	Average	1.003	Average	1.003	Average	1.004

<u>Policy Year</u>	<u>13th/14th</u>	<u>Policy Year</u>	<u>14th/15th</u>	<u>Policy Year</u>	<u>15th/16th</u>	<u>Policy Year</u>	<u>16th/17th</u>
1995	1.005	1994	1.000	1993	1.000	1992	1.002
1996	1.000	1995	1.000	1994	1.001	1993	1.000
1997	1.000	1996	0.999	1995	1.001	1994	1.000
1998	1.000	1997	1.002	1996	1.001	1995	1.002
1999	1.001	1998	1.002	1997	1.001	1996	1.000
Average	1.001	Average	1.001	Average	1.001	Average	1.001

<u>Policy Year</u>	<u>17th/18th</u>	<u>Policy Year</u>	<u>18th/19th</u>
1991	1.001	1990	1.000
1992	1.002	1991	1.000
1993	1.000	1992	1.000
1994	1.001	1993	0.999
1995	1.000	1994	1.001
Average	1.001	Average	1.000



**NORTH CAROLINA**

**APPENDIX A-II**

**Determination of Premium and Losses Developed to an Ultimate Report**

**Section C2 - Limited Medical Paid + Case Loss Development Factors**

<u>Policy Year</u>	<u>1st/2nd</u>	<u>Policy Year</u>	<u>2nd/3rd</u>	<u>Policy Year</u>	<u>3rd/4th</u>	<u>Policy Year</u>	<u>4th/5th</u>
2007	1.102	2006	1.043	2005	1.021	2004	1.031
2008	1.076	2007	1.046	2006	0.996	2005	1.028
2009	1.088	2008	0.997	2007	1.057	2006	1.017
2010	1.065	2009	1.033	2008	1.026	2007	1.020
2011	1.028	2010	1.049	2009	1.029	2008	1.003
Average	1.072	Average	1.034	Average	1.026	Average	1.020

<u>Policy Year</u>	<u>5th/6th</u>	<u>Policy Year</u>	<u>6th/7th</u>	<u>Policy Year</u>	<u>7th/8th</u>	<u>Policy Year</u>	<u>8th/9th</u>
2003	1.011	2002	0.995	2001	0.996	2000	1.011
2004	1.017	2003	1.015	2002	1.031	2001	1.017
2005	1.031	2004	1.019	2003	1.007	2002	1.020
2006	1.002	2005	1.017	2004	1.013	2003	1.004
2007	1.002	2006	1.007	2005	1.006	2004	0.997
Average	1.013	Average	1.011	Average	1.011	Average	1.010

<u>Policy Year</u>	<u>9th/10th</u>	<u>Policy Year</u>	<u>10th/11th</u>	<u>Policy Year</u>	<u>11th/12th</u>	<u>Policy Year</u>	<u>12th/13th</u>
1999	1.023	1998	1.004	1997	1.016	1996	1.001
2000	1.006	1999	0.998	1998	1.012	1997	1.009
2001	1.013	2000	1.011	1999	1.003	1998	0.991
2002	0.995	2001	1.007	2000	1.003	1999	1.007
2003	1.008	2002	1.017	2001	1.005	2000	1.003
Average	1.009	Average	1.007	Average	1.008	Average	1.002

<u>Policy Year</u>	<u>13th/14th</u>	<u>Policy Year</u>	<u>14th/15th</u>	<u>Policy Year</u>	<u>15th/16th</u>	<u>Policy Year</u>	<u>16th/17th</u>
1995	1.007	1994	1.005	1993	0.998	1992	0.994
1996	1.005	1995	1.000	1994	1.013	1993	0.990
1997	1.004	1996	1.002	1995	1.014	1994	0.999
1998	1.006	1997	1.012	1996	1.002	1995	0.997
1999	1.014	1998	0.995	1997	1.001	1996	1.001
Average	1.007	Average	1.003	Average	1.006	Average	0.996

<u>Policy Year</u>	<u>17th/18th</u>	<u>Policy Year</u>	<u>18th/19th</u>
1991	0.999	1990	1.000
1992	1.005	1991	1.004
1993	0.999	1992	0.996
1994	0.994	1993	1.001
1995	1.000	1994	1.003
Average	0.999	Average	1.001

**NORTH CAROLINA**

**APPENDIX A-II**

**Determination of Loss Development Factors to Ultimate Report**

**Section D - Determination of Policy Year Loss Development Factors (19th-to-Ultimate Report)**

**Indemnity Paid+Case Data for Matching Companies**

(1) Policy Year	(2) <u>Losses for Policy Year</u> 19th Report	(3) <u>Losses for Policy Year</u> 20th Report	(4) <u>Losses for All Prior Policy Years</u> Previous	(5) <u>Losses for All Prior Policy Years</u> Current	(6) Factor to Adjust Losses for Prior Policy Years	(7) Indicated 19th-to-Ult Development for Policy Year
1987	170,187,466	171,081,839	1,040,486,889	1,041,198,884	0.482	1.014
1988	205,594,992	206,136,324	1,210,634,831	1,212,997,442	0.446	1.028
1989	249,419,751	249,530,896	1,417,797,145	1,419,808,759	0.413	1.020
1990	259,482,341	260,320,798	1,665,158,333	1,668,563,418	0.471	1.031
1991	248,246,618	248,514,166	1,928,884,216	1,930,675,633	0.571	1.014
1992	186,334,442	185,627,252	2,179,189,799	2,183,334,078	0.861	1.022
1993	151,416,793	151,330,115	2,368,916,413	2,372,938,813	1.137	1.023
Selected Indemnity 19th-to-Ultimate Loss Development Factor						1.022

**Medical Paid+Case Data for Matching Companies**

(8) Policy Year	(9) <u>Losses for Policy Year</u> 19th Report	(10) <u>Losses for Policy Year</u> 20th Report	(11) <u>Losses for All Prior Policy Years</u> Previous	(12) <u>Losses for All Prior Policy Years</u> Current	(13) Factor to Adjust Losses for Prior Policy Years	(14) Indicated 19th-to-Ult Development for Policy Year
1987	136,495,513	138,063,444	765,487,778	770,050,686	0.460	1.084
1988	170,279,408	170,071,034	905,639,694	911,796,132	0.417	1.085
1989	197,376,559	197,874,235	1,080,957,405	1,084,167,952	0.409	1.042
1990	210,648,228	211,220,912	1,282,070,898	1,285,133,385	0.458	1.034
1991	220,022,209	221,860,021	1,496,354,297	1,500,382,231	0.513	1.044
1992	168,418,963	167,891,763	1,722,242,252	1,732,743,282	0.774	1.077
1993	135,589,679	135,315,735	1,900,633,762	1,909,761,704	1.045	1.062
Selected Medical 19th-to-Ultimate Loss Development Factor						1.061

$(7) = 1 + [(3)-(2) + ((5)-(4)) / (6)] / (2)$

$(14) = 1 + [(10)-(9) + ((12)-(11)) / (13)] / (9)$

Columns (4) and (11) are valued as of the date at which the given policy year is at a 19th report.

Columns (5) and (12) are valued as of the date at which the given policy year is at a 20th report.

**NORTH CAROLINA**

**APPENDIX A-II**

**Determination of Premium and Losses Developed to an Ultimate Report**

**Section E - Derivation of Policy Year Limited 19th-to-Ultimate Loss Development Factors**

<u>Policy Year</u>	<u>Indemnity Paid-to-Paid + Case Ratio 19th Report</u>	<u>Medical Paid-to-Paid + Case Ratio 19th Report</u>
1990	0.982	0.952
1991	0.981	0.941
1992	0.987	0.967
1993	0.991	0.972
1994	0.992	0.978
Average	0.987	0.962

	<u>Indemnity</u>	<u>Medical</u>
(1) Paid+Case 19th-to-Ultimate Loss Development Factor (Section D)	1.022	1.061
(2) Factor to Adjust 19th-to-Ultimate Development Factor to a Limited Basis	0.918	0.918
(3) Limited Paid+Case 19th-to-Ultimate Loss Development Factor = $[(1)-1] \times (2) + 1$	1.020	1.056
(4) Limited Paid-to-Paid+Case Ratio (Section E)	0.987	0.962
(5) Limited Paid 19th-to-Ultimate Loss Development Factor = (3) / (4)	1.033	1.098

**Section F1 - Summary of Limited Paid Loss Development Factors**

<u>Indemnity Paid Loss Development</u>			<u>Medical Paid Loss Development</u>		
<u>Report</u>	<u>(1) to Next Report</u>	<u>(2) to Ultimate</u>	<u>Report</u>	<u>(3) to Next Report</u>	<u>(4) to Ultimate</u>
1st	2.031	4.159	1st	1.326	2.120
2nd	1.331	2.048	2nd	1.105	1.599
3rd	1.151	1.539	3rd	1.058	1.447
4th	1.080	1.337	4th	1.039	1.368
5th	1.051	1.238	5th	1.034	1.317
6th	1.035	1.178	6th	1.023	1.274
7th	1.023	1.138	7th	1.020	1.245
8th	1.018	1.112	8th	1.017	1.221
9th	1.014	1.092	9th	1.016	1.201
10th	1.009	1.077	10th	1.016	1.182
11th	1.007	1.067	11th	1.010	1.163
12th	1.008	1.060	12th	1.012	1.151
13th	1.004	1.052	13th	1.008	1.137
14th	1.005	1.048	14th	1.008	1.128
15th	1.004	1.043	15th	1.008	1.119
16th	1.002	1.039	16th	1.006	1.110
17th	1.002	1.037	17th	1.003	1.103
18th	1.002	1.035	18th	1.002	1.100
19th		1.033	19th		1.098

(2) = Cumulative upward product of column (1).

(4) = Cumulative upward product of column (3).

NORTH CAROLINA

APPENDIX A-II

Determination of Premium and Losses Developed to an Ultimate Report

Section F2 - Summary of Limited Paid+Case Loss Development Factors

Indemnity Paid+Case Loss Development

Medical Paid+Case Loss Development

<u>Report</u>	(1) <u>to Next Report</u>	(2) <u>to Ultimate</u>
1st	1.373	1.895
2nd	1.154	1.380
3rd	1.066	1.196
4th	1.032	1.122
5th	1.022	1.087
6th	1.011	1.064
7th	1.009	1.052
8th	1.005	1.043
9th	1.003	1.038
10th	1.003	1.035
11th	1.003	1.032
12th	1.004	1.029
13th	1.001	1.025
14th	1.001	1.024
15th	1.001	1.023
16th	1.001	1.022
17th	1.001	1.021
18th	1.000	1.020
19th		1.020

<u>Report</u>	(3) <u>to Next Report</u>	(4) <u>to Ultimate</u>
1st	1.072	1.330
2nd	1.034	1.241
3rd	1.026	1.200
4th	1.020	1.170
5th	1.013	1.147
6th	1.011	1.132
7th	1.011	1.120
8th	1.010	1.108
9th	1.009	1.097
10th	1.007	1.087
11th	1.008	1.079
12th	1.002	1.070
13th	1.007	1.068
14th	1.003	1.061
15th	1.006	1.058
16th	0.996	1.052
17th	0.999	1.056
18th	1.001	1.057
19th		1.056

(2) = Cumulative upward product of column (1).

(4) = Cumulative upward product of column (3).

## NORTH CAROLINA

### APPENDIX A-II

#### Determination of Premium and Losses Developed to an Ultimate Report

##### Section G - Factor to Adjust Limited Losses to an Unlimited Basis

(1) Threshold at the Midpoint of the Loss Cost Effective Period*	15,754,027
(2) Statewide Excess Ratio for (1)	0.009
(3) Market Share for Carriers Missing from Large Loss and Catastrophe Call	0.000
(4) Factor to Adjust Limited Losses to an Unlimited Basis = $1.0 / \{1.0 - [(2) \times (1.0 - (3))]\}$	1.009

##### Section H - Policy Year Large Loss Limits

<u>Experience Year</u>	<u>Policy Year Detrended Limit</u>
2012	13,728,108
2011	13,393,892
2010	13,056,793
2009	12,644,041
2008	12,460,773
2007	12,319,874
2006	11,967,835
2005	11,512,821
2004	11,105,285
2003	10,713,941
2002	10,388,577
2001	10,172,330
2000	9,923,465
1999	9,499,762
1998	9,039,642
1997	8,582,598
1996	8,133,258
1995	7,764,115
1994	7,444,021

\* March 25, 2016 is the midpoint of the effective period for which the revised loss costs are being proposed.

**NORTH CAROLINA**

**APPENDIX A-III**

**POLICY YEAR TREND**

**Section A - Summary of Annual Trends**

	<u>Indemnity</u>		<u>Medical</u>	
Filed Trends for North Carolina Effective 4/1/2014	0.995	(-0.5%)	1.000	(0.0%)
Indicated Eight-Point Exponential Trends				
Claim Frequency	0.999	(-0.1%)	0.999	(-0.1%)
Paid Claim Severity	0.994	(-0.6%)	1.000	(0.0%)
Paid+Case Claim Severity	0.985	(-1.5%)	1.004	(+0.4%)
Paid Loss Ratio	0.992	(-0.8%)	0.999	(-0.1%)
Paid+Case Loss Ratio	0.984	(-1.6%)	1.003	(+0.3%)
Indicated Five-Point Exponential Trends				
Claim Frequency	1.004	(+0.4%)	1.004	(+0.4%)
Paid Claim Severity	0.982	(-1.8%)	1.001	(+0.1%)
Paid+Case Claim Severity	0.975	(-2.5%)	1.019	(+1.9%)
Paid Loss Ratio	0.986	(-1.4%)	1.004	(+0.4%)
Paid+Case Loss Ratio	0.978	(-2.2%)	1.022	(+2.2%)
<b>Selected Annual Trends</b>	<b>0.990</b>	<b>(-1.0%)</b>	<b>1.000</b>	<b>(0.0%)</b>
Years from the midpoint of the experience period to the midpoint of the proposed period				
Policy year 2012	3.329		3.329	
Policy year 2011	4.329		4.329	
Trend impact on				
Policy year 2012	0.967		1.000	
Policy year 2011	0.957		1.000	

**NORTH CAROLINA**

**APPENDIX A-III**

**POLICY YEAR TREND**

**Section B - Summary of Data Points Underlying Trend Analysis**

Policy Year	<u>Paid Indemnity Loss Ratio</u>	<u>Paid Medical Loss Ratio</u>	<u>Paid+Case Indemnity Loss Ratio</u>	<u>Paid+Case Medical Loss Ratio</u>	<u>Claim Frequency</u>	<u>Paid Indemnity Avg. Cost Per Case</u>	<u>Paid Medical Avg. Cost Per Case</u>	<u>Paid+Case Indemnity Avg. Cost Per Case</u>	<u>Paid+Case Medical Avg. Cost Per Case</u>
2005	0.467	0.413	0.459	0.415	12.1	38,802	34,395	38,199	34,623
2006	0.456	0.395	0.444	0.383	11.7	39,042	33,806	38,053	32,850
2007	0.476	0.415	0.455	0.412	11.7	40,521	35,351	38,736	35,067
2008	0.462	0.397	0.438	0.380	11.5	40,238	34,514	38,086	33,075
2009	0.459	0.396	0.436	0.390	11.7	39,345	33,964	37,335	33,410
2010	0.461	0.408	0.432	0.403	11.9	38,684	34,187	36,193	33,777
2011	0.461	0.411	0.424	0.407	12.0	38,492	34,350	35,372	34,013
2012	0.429	0.398	0.398	0.415	11.5	37,167	34,472	34,485	35,972

**NORTH CAROLINA**  
**APPENDIX A-III**  
**Loss Ratio Trend Supporting Information**  
**Financial Data is Valued as of December 31, 2013**

**Section C - Premium**

Policy Year	(1) Policy Year Premium	(2) Premium Devel Factor	(3) Ultimate Premium (1) x (2)	(4) On-level Factor	(5) On-level Devel Prem (3) x (4)
2005	906,861,534	xxx	906,861,534	0.959	869,680,211
2006	1,026,335,464	xxx	1,026,335,464	0.906	929,859,930
2007	1,182,932,615	xxx	1,182,932,615	0.849	1,004,309,790
2008	1,119,434,485	xxx	1,119,434,485	0.832	931,369,492
2009	1,007,645,422	1.000	1,007,645,422	0.862	868,590,354
2010	960,539,406	1.000	960,539,406	0.937	900,025,423
2011	974,750,658	1.000	974,750,658	0.966	941,609,136
2012	984,547,954	1.006	990,455,242	0.957	947,865,667

**Section D - Paid Loss Ratios**

Policy Year	(1) Paid Indemnity Losses	(2) Loss Devel Factor	(3) Ultimate Ind. Loss (1) x (2)	(4) On-level Factor	(5) On-level Devel Ind. Loss (3) x (4)	(6) Paid Ind. Loss Ratio (5)/[Section C (5)]
2005	360,406,250	1.112	400,771,750	1.013	405,981,783	0.467
2006	369,296,347	1.138	420,259,243	1.008	423,621,317	0.456
2007	404,806,250	1.178	476,861,763	1.002	477,815,487	0.476
2008	348,510,392	1.238	431,455,865	0.998	430,592,953	0.462
2009	300,915,313	1.337	402,323,773	0.992	399,105,183	0.459
2010	272,604,634	1.539	419,538,532	0.990	415,343,147	0.461
2011	211,404,097	2.048	432,955,591	1.003	434,254,458	0.461
2012	97,499,024	4.159	405,498,441	1.003	406,714,936	0.429

Policy Year	(7) Paid Medical Losses	(8) Loss Devel Factor	(9) Ultimate Med. Loss (7) x (8)	(10) On-level Factor	(11) On-level Devel Med. Loss (9) x (10)	(12) Paid Med. Loss Ratio (11)/[Section C (5)]
2005	302,260,906	1.221	369,060,566	0.974	359,464,991	0.413
2006	302,568,182	1.245	376,697,387	0.974	366,903,255	0.395
2007	335,863,473	1.274	427,890,065	0.974	416,764,923	0.415
2008	288,079,103	1.317	379,400,179	0.974	369,535,774	0.397
2009	258,422,774	1.368	353,522,355	0.974	344,330,774	0.396
2010	259,980,298	1.447	376,191,491	0.975	366,786,704	0.408
2011	247,159,535	1.599	395,208,096	0.980	387,303,934	0.411
2012	181,015,887	2.120	383,753,680	0.983	377,229,867	0.398

**Section E - Paid+Case Loss Ratios**

Policy Year	(1) Paid+Case Indemnity Losses	(2) Loss Devel Factor	(3) Ultimate Ind. Loss (1) x (2)	(4) On-level Factor	(5) On-level Devel Ind. Loss (3) x (4)	(6) Paid+Case Ind. Loss Ratio (5)/[Section C (5)]
2005	377,964,570	1.043	394,217,047	1.013	399,341,869	0.459
2006	389,325,241	1.052	409,570,154	1.008	412,846,715	0.444
2007	428,433,130	1.064	455,852,850	1.002	456,764,556	0.455
2008	375,695,480	1.087	408,380,987	0.998	407,564,225	0.438
2009	340,253,343	1.122	381,764,251	0.992	378,710,137	0.436
2010	328,198,832	1.196	392,525,803	0.990	388,600,545	0.432
2011	288,306,821	1.380	397,863,413	1.003	399,057,003	0.424
2012	198,544,382	1.895	376,241,604	1.003	377,370,329	0.398

Policy Year	(7) Paid+Case Medical Losses	(8) Loss Devel Factor	(9) Ultimate Med. Loss (7) x (8)	(10) On-level Factor	(11) On-level Devel Med. Loss (9) x (10)	(12) Paid+Case Med. Loss Ratio (11)/[Section C (5)]
2005	334,750,579	1.108	370,903,642	0.974	361,260,147	0.415
2006	326,780,172	1.120	365,993,793	0.974	356,477,954	0.383
2007	374,959,957	1.132	424,454,671	0.974	413,418,850	0.412
2008	316,982,362	1.147	363,578,769	0.974	354,125,721	0.380
2009	297,235,547	1.170	347,765,590	0.974	338,723,685	0.390
2010	309,728,712	1.200	371,674,454	0.975	362,382,593	0.403
2011	315,342,490	1.241	391,340,030	0.980	383,513,229	0.407
2012	301,090,347	1.330	400,450,162	0.983	393,642,509	0.415



**NORTH CAROLINA**  
**APPENDIX A-III**  
**Frequency and Severity Trend Supporting Information**  
**Financial Data is Valued as of December 31, 2013**

**Section F - Claim Frequency**

	(1)	(2)	(3) =(1)x(2)	(4)	(5)	(6) =(4)x(5)	(7)	(8)	(9) =(6)x(7)x(8) On-level Devel Prem Adj to 2012 Wage Level	(10) =(3)/(9) Claim Freq Per Million of On-level Premium
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Policy Year Premium	Premium Devel Factor	Ultimate Premium	On-level Factor	Factor to Adjust to 2012 Wage Levels		
2005	12,274	1.000	12,274	888,886,642	1.000	888,886,642	0.959	1.194	1,017,775,205	12.1
2006	12,430	1.000	12,430	1,024,120,431	1.000	1,024,120,431	0.906	1.148	1,065,085,248	11.7
2007	13,145	1.000	13,145	1,182,932,615	1.000	1,182,932,615	0.849	1.115	1,120,237,186	11.7
2008	11,795	1.000	11,795	1,119,434,485	1.000	1,119,434,485	0.832	1.102	1,026,521,423	11.5
2009	11,012	1.001	11,023	1,007,626,891	1.000	1,007,626,891	0.862	1.087	944,146,397	11.7
2010	11,256	1.003	11,290	960,539,406	1.000	960,539,406	0.937	1.052	947,091,854	11.9
2011	11,437	1.011	11,563	974,750,658	1.000	974,750,658	0.966	1.025	965,003,151	12.0
2012	10,392	1.053	10,943	984,547,954	1.006	990,455,242	0.957	1.000	947,865,667	11.5

**Section G - Paid Severity**

	(1)	(2)	(3) =(1)x(2)	(4)	(5)	(6) =(4)x(5)	(7)	(8)	(9) =(6)x(7)x(8) On-level Devel Indemnity Losses Adj to 2012 Wage Level	(10) =(9)/(3) Indemnity Average Claim Severity
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Paid Indemnity Losses	Paid Indemnity LDF	Ultimate Indemnity Losses	On-level Factor	Factor to Adjust to 2012 Wage Levels		
2005	12,274	1.000	12,274	353,955,903	1.112	393,598,964	1.013	1.194	476,254,746	38,802
2006	12,430	1.000	12,430	368,580,236	1.138	419,444,309	1.008	1.148	485,297,066	39,042
2007	13,145	1.000	13,145	404,806,250	1.178	476,861,763	1.002	1.115	532,654,589	40,521
2008	11,795	1.000	11,795	348,510,392	1.238	431,455,865	0.998	1.102	474,601,452	40,238
2009	11,012	1.001	11,023	300,915,216	1.337	402,323,644	0.992	1.087	433,704,888	39,345
2010	11,256	1.003	11,290	272,604,634	1.539	419,538,532	0.990	1.052	436,739,612	38,684
2011	11,437	1.011	11,563	211,404,097	2.048	432,955,591	1.003	1.025	445,078,348	38,492
2012	10,392	1.053	10,943	97,499,024	4.159	405,498,441	1.003	1.000	406,714,936	37,167

	(11)	(12)	(13) =(11)x(12)	(14)	(15)	(16) =(14)x(15)	(17)	(18)	(19) =(16)x(17)x(18) On-level Devel Medical Losses Adj to 2012 Wage Level	(20) =(19)/(13) Medical Average Claim Severity
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Paid Medical Losses	Paid Medical LDF	Ultimate Medical Losses	On-level Factor	Factor to Adjust to 2012 Wage Levels		
2005	12,274	1.000	12,274	297,295,596	1.221	362,997,923	0.974	1.194	422,166,584	34,395
2006	12,430	1.000	12,430	301,889,138	1.245	375,851,977	0.974	1.148	420,202,510	33,806
2007	13,145	1.000	13,145	335,863,473	1.274	427,890,065	0.974	1.115	464,688,611	35,351
2008	11,795	1.000	11,795	288,079,103	1.317	379,400,179	0.974	1.102	407,096,392	34,514
2009	11,012	1.001	11,023	258,422,774	1.368	353,522,355	0.974	1.087	374,380,174	33,964
2010	11,256	1.003	11,290	259,980,298	1.447	376,191,491	0.975	1.052	385,972,470	34,187
2011	11,437	1.011	11,563	247,159,535	1.599	395,208,096	0.980	1.025	397,184,136	34,350
2012	10,392	1.053	10,943	181,015,887	2.120	383,753,680	0.983	1.000	377,229,867	34,472

**Section H - Paid+Case Severity**

	(1)	(2)	(3) =(1)x(2)	(4)	(5)	(6) =(4)x(5)	(7)	(8)	(9) =(6)x(7)x(8) On-level Devel Indemnity Losses Adj to 2012 Wage Level	(10) =(9)/(3) Average Claim Severity
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Paid+Case Indemnity Losses	Paid+Case Indemnity LDF	Ultimate Indemnity Losses	On-level Factor	Factor to Adjust to 2012 Wage Levels		
2005	12,274	1.000	12,274	371,505,935	1.043	387,480,690	1.013	1.194	468,851,635	38,199
2006	12,430	1.000	12,430	388,603,262	1.052	408,810,632	1.008	1.148	472,993,901	38,053
2007	13,145	1.000	13,145	428,433,130	1.064	455,852,850	1.002	1.115	509,187,633	38,736
2008	11,795	1.000	11,795	375,695,480	1.087	408,380,987	0.998	1.102	449,219,086	38,086
2009	11,012	1.001	11,023	340,253,246	1.122	381,764,142	0.992	1.087	411,541,745	37,335
2010	11,256	1.003	11,290	328,198,832	1.196	392,525,803	0.990	1.052	408,619,361	36,193
2011	11,437	1.011	11,563	288,306,821	1.380	397,863,413	1.003	1.025	409,003,589	35,372
2012	10,392	1.053	10,943	198,544,382	1.895	376,241,604	1.003	1.000	377,370,329	34,485

	(11)	(12)	(13) =(11)x(12)	(14)	(15)	(16) =(14)x(15)	(17)	(18)	(19) =(16)x(17)x(18) On-level Devel Medical Losses Adj to 2012 Wage Level	(20) =(19)/(13) Medical Average Claim Severity
Policy Year	Policy Year Claims	Claim Devel Factor	Ultimate Claim Counts	Paid+Case Medical Losses	Paid+Case Medical LDF	Ultimate Medical Losses	On-level Factor	Factor to Adjust to 2012 Wage Levels		
2005	12,274	1.000	12,274	329,784,035	1.108	365,400,711	0.974	1.194	424,961,027	34,623
2006	12,430	1.000	12,430	326,097,628	1.120	365,229,343	0.974	1.148	408,326,405	32,850
2007	13,145	1.000	13,145	374,959,957	1.132	424,454,671	0.974	1.115	460,957,773	35,067
2008	11,795	1.000	11,795	316,982,362	1.147	363,578,769	0.974	1.102	390,120,019	33,075
2009	11,012	1.001	11,023	297,235,547	1.170	347,765,590	0.974	1.087	368,283,760	33,410
2010	11,256	1.003	11,290	309,728,712	1.200	371,674,454	0.975	1.052	381,337,990	33,777
2011	11,437	1.011	11,563	315,342,490	1.241	391,340,030	0.980	1.025	393,296,730	34,013
2012	10,392	1.053	10,943	301,090,347	1.330	400,450,162	0.983	1.000	393,642,509	35,972

## NORTH CAROLINA

### APPENDIX A-IV

NCRB and NCCI maintain several data reporting initiatives and programs to assist carriers to report data and to ensure that the data that is reported is complete, accurate, and reported in a timely fashion. Occasionally, a particular carrier's data submission is not available for use in a filing either because the data was not reported prior to the filing, was not accurate, or NCCI determined that the data that was reported should not be included in the filing based on NCCI's actuarial judgment.

All carriers writing more than one-tenth of one percent of the North Carolina workers compensation written premium volume and whose aggregate financial data is not included in this filing are listed below. The listing is separated between policy years 2012 and 2011 aggregate data.

Carriers not included in policy year experience valued as of December 31, 2013

#### Policy Year 2012

<u>Name of Carrier</u>	<u>Percentage of Premium Volume</u>
Ullico Casualty Co.	0.2%

#### Policy Year 2011

<u>Name of Carrier</u>	<u>Percentage of Premium Volume</u>
CAGC Insurance Co.	0.3%
Ullico Casualty Co.	0.3%

Note: Figures are based on 2012 and 2011 data from the NAIC.



## NORTH CAROLINA

### APPENDIX A-V

#### Derivation of Industry Group Differentials

Industry group differentials are used to more equitably distribute the overall loss cost level change based on the individual experience of each industry group. The payroll, losses and claim counts used in the calculations below are from North Carolina Workers Compensation Statistical Plan ("Workers Compensation Statistical Plan" or "WCSP") data.

#### I. Expected Losses

The current expected losses (columns (1) and (2)) are the payroll extended by the pure premiums underlying the latest approved loss costs. The proposed expected losses (3) are the current expected losses adjusted to the proposed level. These adjustments include the proposed experience, trend, benefit and, if applicable, loss-based expense changes as well as any miscellaneous premium adjustments.

Industry Group	(1) Latest Year Current Expected Losses Prior to Adjustment for Change in Off-Balance	(2) Five Year Current Expected Losses Prior to Adjustment for Change in Off-Balance	(3) Five Year Proposed Expected Losses Prior to Adjustment for Change in Off-Balance	(4) Current Ratio of Manual to Standard Premium	(5) Proposed Ratio of Manual to Standard Premium
Manufacturing	297,054,465	1,449,680,951	1,400,987,933	1.096	1.091
Contracting	297,418,551	1,630,599,771	1,575,917,716	1.091	1.088
Office & Clerical	174,606,569	816,409,339	789,135,678	1.118	1.116
Goods & Services	499,654,183	2,403,020,832	2,322,846,062	1.019	1.018
Miscellaneous	257,443,616	1,249,536,106	1,207,304,649	1.069	1.057
Statewide	1,526,177,383	7,549,246,998	7,296,192,039		

Industry Group	(6) Latest Year Current Expected Losses Adjusted for Change in Off-Balance (1)x(4)/(5)	(7) Five Year Current Expected Losses Adjusted for Change in Off-Balance (2)x(4)/(5)	(8) Five Year Proposed Expected Losses Adjusted for Change in Off-Balance (3)x(4)/(5)	(9) Current/ Proposed (7)/(8)	(10) Adjustment to Proposed for Current Relativity (9)IG/(9)SW
Manufacturing	298,415,851	1,456,324,768	1,407,408,593	1.035	1.000
Contracting	298,238,639	1,635,095,910	1,580,263,078	1.035	1.000
Office & Clerical	174,919,484	817,872,439	790,549,900	1.035	1.000
Goods & Services	500,145,002	2,405,381,363	2,325,127,836	1.035	1.000
Miscellaneous	260,366,344	1,263,721,946	1,221,011,041	1.035	1.000
Statewide	1,532,085,320	7,578,396,426	7,324,360,448	1.035	

## NORTH CAROLINA

### APPENDIX A-V

#### II. Industry Group Differentials

To calculate the converted indicated balanced losses (11) the reported losses are limited to \$500,000 for a single claim occurrence and \$1,500,000 for each multiple claim occurrence. After the application of limited development, trend and benefit factors, the limited losses are brought to an unlimited level through the application of the expected excess provision. The proposed experience change, applicable loss-based expenses and any miscellaneous premium adjustments are applied to calculate the indicated losses. These indicated losses are then balanced to the expected losses using the factors shown in Appendix B-I, Section A-3.

Industry Group	(11) Converted Indicated Balanced Losses	(12) Indicated/ Expected Ratio (11)/[(8)x(10)]	(13) Indicated Differential (12)IG/(12)SW	(14) Lost-Time Claim Counts
Manufacturing	1,421,080,377	1.010	1.011	19,263
Contracting	1,588,106,126	1.005	1.006	14,472
Office & Clerical	775,319,537	0.981	0.982	10,642
Goods & Services	2,300,018,202	0.989	0.990	36,125
Miscellaneous	1,231,260,255	1.008	1.009	12,396
Statewide	7,315,784,497	0.999		

Industry Group	(15) Full Credibility Standard for Lost-Time Claim Counts	(16) Credibility Minimum of 1.000 and ((14)/(15))^0.5	(17) Credibility Weighted Indicated/Expected Ratio [(16)IGx(12)IG] + [1-(16)IG]x(12)SW*	(18) Final Industry Group Differential (17)IG/(17)SW
Manufacturing	12,000	1.00	1.010	1.011
Contracting	12,000	1.00	1.005	1.006
Office & Clerical	12,000	0.94	0.982	0.983
Goods & Services	12,000	1.00	0.989	0.990
Miscellaneous	12,000	1.00	1.008	1.009
Statewide			0.999	1.000

\*Statewide ratio (column 17) =  $\sum_{IG}[(6)x(17)] \div \sum_{IG}(6)$

## **NORTH CAROLINA**

### **APPENDIX A-V**

#### **Industry Group Differentials - Supporting Documentation**

The below documentation is additional supporting material for the calculation of the industry group differentials shown in Appendix A-V.

##### **Appendix A-V - columns (1), (2), and (3)**

The one-year current expected losses in column (1) are those losses expected during the most recent Workers Compensation Statistical Plan (WCSP) policy period. These losses are derived by multiplying the currently-approved underlying pure premiums by payroll in hundreds (for the latest policy period).

One-year current expected losses for each of the latest five policy periods are then calculated and summed to arrive at the five-year current expected losses in column (2).

The only difference between the five-year expected losses in columns (2) and (3) is that the current underlying pure premiums are brought to the proposed level in column (3). Please see Appendix B-I, Section B for documentation.

##### **Appendix A-V - columns (4) and (5)**

The figures in these columns of Appendix A-V reflect the current and proposed manual to standard earned premium ratios based on the reported WCSP payroll and manual premium data.

##### **Appendix A-V - columns (6), (7), and (8)**

The one-year current expected losses in column (1) are multiplied by the current ratio of manual to standard premium (Appendix A-V, column (4)) and divided by the proposed ratio of manual to standard premium (Appendix A-V, column (5)) to derive the one-year current expected losses adjusted for the change in off-balance.

The same adjustment is made to columns (2) and (3) to arrive at columns (7) and (8), respectively.

## **NORTH CAROLINA**

### **APPENDIX A-V**

#### **Appendix A-V - column (11)**

"Unadjusted" losses were collected under the data submission rules of the WCSP and are summed by industry group over the most recent five policy periods.

Please refer to Appendix B-I, Section A for an explanation and documentation of the adjustments applied to these "unadjusted" losses to arrive at the "converted" losses in column (11).

#### **Appendix A-V - columns (12) through (18)**

In the calculation of the credibility-weighted differentials, the ratios of indicated losses to expected losses by industry group, column (12), are credibility weighted with the statewide ratio. The credibility is based on lost-time claim counts, column (14). The full credibility standard, column (15), is 12,000 lost-time claims for each industry group. Partial credibility is calculated using the square root of the ratio of the actual lost-time claim counts and the number of lost-time claim counts required for full credibility. The statewide credibility-weighted ratio (17) is rebalanced using the latest year expected losses to ensure that the overall pure premium level change is achieved.

## NORTH CAROLINA

### APPENDIX B-I

#### Distribution of Loss Cost Level Change to Occupational Classification

After determining the required changes in the overall loss cost level for the state and by industry group, the next step in the ratemaking procedure is to distribute these changes among the various occupational classifications. In order to do this, the pure premiums by classification must be adjusted, by policy period, industry group, or on an overall basis, to incorporate the changes proposed in the filing. There are three sets of pure premiums for each classification: indicated, present on rate level, and national pure premiums.

#### Section A – Calculation of Indicated Pure Premiums

The indicated pure premiums are calculated from the payroll and loss data reported, by class code and policy period, in the Workers Compensation Statistical Plan (WCSP) for the latest available five policy periods. Various adjustments are made to these pure premiums to put them at the level proposed in this filing (Sections A-1 to A-3).

#### Section A-1 – Calculation of Primary Conversion Factors

##### 1. Limited Loss Development Factors

The following factors are applied to develop the losses from first through fifth report to an ultimate basis.

Policy Period	Indemnity		Medical	
	Likely-to-Develop	Not-Likely-to-Develop	Likely-to-Develop	Not-Likely-to-Develop
1/07-12/07	1.115	1.038	1.224	1.037
1/08-12/08	1.162	1.062	1.252	1.043
1/09-12/09	1.270	1.124	1.296	1.058
1/10-12/10	1.538	1.273	1.397	1.079
1/11-12/11	2.505	1.689	1.636	1.122

##### 2. Factors to Adjust to the Proposed Trend Level

The proposed trend factors are applied to adjust the losses to the proposed level.

Policy Period	Indemnity	Medical
1/07-12/07	0.920	1.000
1/08-12/08	0.929	1.000
1/09-12/09	0.938	1.000
1/10-12/10	0.948	1.000
1/11-12/11	0.957	1.000

##### 3. Factors to Adjust to the August 7, 2014 Benefit Level

The following factors are applied to adjust the losses to the proposed benefit level.

Policy Period	Fatal	Permanent Total (P.T.)	Permanent Partial (P.P.)	Temporary Total (T.T.)	Medical
1/07-12/07	1.261	1.030	0.996	1.030	0.966
1/08-12/08	1.254	1.023	0.993	1.023	0.966
1/09-12/09	1.244	1.015	0.987	1.015	0.966
1/10-12/10	1.212	1.010	0.986	1.010	0.967
1/11-12/11	1.044	1.012	1.005	1.012	0.972



## NORTH CAROLINA

### APPENDIX B-I

#### 4. Primary Conversion Factors: Indicated Pure Premiums

The factors above, contained within Section A-1, are combined multiplicatively, resulting in the following factors for the Likely-to-Develop (L) and Not-Likely-to-Develop (NL) groupings.

Policy Period	Fatal (L)	Fatal (NL)	P.T.*	P.P. (L)	P.P. (NL)	T.T. (L)	T.T. (NL)	Medical (L)	Medical (NL)
1/07-12/07	1.294	1.204	1.057	1.022	0.951	1.057	0.984	1.182	1.002
1/08-12/08	1.354	1.237	1.104	1.072	0.980	1.104	1.009	1.209	1.008
1/09-12/09	1.482	1.312	1.209	1.176	1.041	1.209	1.070	1.252	1.022
1/10-12/10	1.767	1.463	1.473	1.438	1.190	1.473	1.219	1.351	1.043
1/11-12/11	2.503	1.687	2.426	2.409	1.624	2.426	1.636	1.590	1.091

\* Permanent total losses are always assigned to the Likely-to-Develop grouping.

#### Section A-2 – Expected Excess Provision and Redistribution

After the application of the primary conversion factors, the limited losses are brought to an expected unlimited level through the application of excess loss factors by hazard group. These factors are shown below.

Hazard Group	A	B	C	D	E	F	G
(1) Excess Ratios	0.140	0.186	0.212	0.242	0.287	0.318	0.380
(2) Excess Factors 1/(1-(1))	1.163	1.229	1.269	1.319	1.403	1.466	1.613

As the excess loss factors are on a combined (indemnity and medical) basis, a portion (40%) of the indemnity expected excess losses are redistributed to medical in order to more accurately allocate expected excess losses. Since a portion of the expected excess losses are redistributed in an additive manner, the expected excess factors shown above cannot be combined multiplicatively with either the primary or secondary loss conversion factors.

## NORTH CAROLINA

### APPENDIX B-I

#### Section A-3 – Calculation of Secondary Conversion Factors

##### 1. Factors to Adjust for Proposed Industry Group Differentials

The following factors are applied to adjust the indicated industry group differentials for the effects of credibility weighting the industry group differentials and weighting the differentials by the latest year expected losses.

	Manufacturing	Contracting	Office and Clerical	Goods and Services	Miscellaneous
(1) Indicated Differentials*	1.011	1.006	0.982	0.990	1.009
(2) Final Differentials**	1.011	1.006	0.983	0.990	1.009
(3) Adjustment (2)/(1)	1.000	1.000	1.001	1.000	1.000

\*See Appendix A-V, column (13).

\*\*See Appendix A-V, column (18).

##### 2. Factors to Balance Indicated to Expected Losses

The expected losses are calculated as the pure premium underlying the current loss costs, adjusted to the proposed level and adjusted for the Experience Rating Plan off-balance. The indicated losses are balanced to the expected losses by applying the following factors.

Policy Period	(1) Adjustment of Indicated Losses to Pure Premium at Proposed Level	(2) Current Ratio of Manual to Standard Premium	(3) Proposed Ratio of Manual to Standard Premium	(4) Off-balance Adjustment (2)/(3)	(5) Balancing Indicated to Expected Losses (1)x(4)
1/07-12/07	0.878	1.070	1.082	0.989	0.868
1/08-12/08	0.877	1.069	1.081	0.989	0.867
1/09-12/09	0.850	1.068	1.067	1.001	0.851
1/10-12/10	0.839	1.068	1.051	1.016	0.852
1/11-12/11	0.840	1.068	1.046	1.021	0.858

##### 3. Adjustment for Experience Change

A factor of 0.974 is applied to adjust for the experience change in the proposed loss cost level.

##### 4. Factor to Reflect the Proposed Loss Adjustment Expense

A factor of 1.170 is applied to include the proposed loss adjustment expense.

##### 5. Secondary Conversion Factors: Indicated Pure Premiums

The factors above, contained within section A-3, are combined multiplicatively, resulting in the following factors:

Policy Period	Manufacturing	Contracting	Office and Clerical	Goods and Services	Miscellaneous
1/07-12/07	0.989	0.989	0.990	0.989	0.989
1/08-12/08	0.988	0.988	0.989	0.988	0.988
1/09-12/09	0.970	0.970	0.971	0.970	0.970
1/10-12/10	0.971	0.971	0.972	0.971	0.971
1/11-12/11	0.978	0.978	0.979	0.978	0.978

## NORTH CAROLINA

### APPENDIX B-I

#### Section B – Calculation of Present on Rate Level Pure Premiums

The present on rate level pure premiums are the pure premiums underlying the current loss costs, adjusted to the proposed level. The data sources for the above-captioned pure premiums are the partial pure premiums underlying the current loss costs.

##### 1. Adjustment for Experience Change

A factor of 0.974 is applied to adjust for the experience change in the proposed loss cost level.

##### 2. Factors to Adjust to the Proposed Trend Level

The pure premiums underlying the current loss costs contain the current trend. The change in trend factors, 0.981 and 1.000, for indemnity and medical, respectively, are applied to adjust to the proposed trend level.

##### 3. Factors to Adjust to the August 7, 2014 Benefit Level

The pure premiums underlying the current loss costs are at the current April 1, 2013 level. The following factors are applied to adjust to the proposed benefit level.

Effective Date	Indemnity	Medical
January 1, 2014 (Appendix C-I)	1.004	1.000
August 7, 2014 (Appendix C-II)	1.000	0.992
Combined Benefit Adjustment	1.004	0.992

##### 4. Factors to Include the Proposed Loss Adjustment Expense Provisions

The pure premiums underlying the current loss costs include the current loss adjustment expense provision and must be adjusted to the proposed level.

	(a) Current		(b) Proposed	
	Indemnity	Medical	Indemnity	Medical
(1) Loss Adjustment Expense	1.165	1.165	1.170	1.170
(2) Overall Change (1b)/(1a)			1.004	1.004

##### 5. Adjustment to Obtain Expected Losses

The pure premiums underlying the current loss costs reflect the current Experience Rating Plan off-balance. The change in off-balance must be applied.

Industry Group	(1) Current Ratio of Manual to Standard Premium	(2) Proposed Ratio of Manual to Standard Premium	(3) Off-balance Adjustment (1)/(2)
Manufacturing	1.096	1.091	1.005
Contracting	1.091	1.088	1.003
Office & Clerical	1.118	1.116	1.002
Goods & Services	1.019	1.018	1.001
Miscellaneous	1.069	1.057	1.011

## NORTH CAROLINA

### APPENDIX B-I

#### 6. Factors to Adjust for Proposed Industry Group Differentials

The pure premiums underlying the current loss costs are adjusted by the proposed industry group differentials.

Industry Group	(1) Final Differential*	(2) Adjustment to Proposed for Current Relativities**	(3) Adjusted Differential (1)x(2)
Manufacturing	1.011	1.000	1.011
Contracting	1.006	1.000	1.006
Office & Clerical	0.983	1.000	0.983
Goods & Services	0.990	1.000	0.990
Miscellaneous	1.009	1.000	1.009

\*See Appendix A-V, column (18).

\*\*See Appendix A-V, column (10).

#### 7. Combined Conversion Factors

The factors above, contained within Section B, are combined multiplicatively, resulting in the following factors.

Industry Group	Indemnity	Medical
Manufacturing	0.978	0.986
Contracting	0.972	0.979
Office & Clerical	0.949	0.955
Goods & Services	0.954	0.961
Miscellaneous	0.982	0.989

## NORTH CAROLINA

### APPENDIX B-I

#### Section C – Calculation of National Pure Premiums

Finally, there are the national pure premiums, which reflect the countrywide experience for each classification adjusted to state conditions. These pure premiums reflect the countrywide experience for each classification as indicated by the latest available individual classification experience for all states for which the National Council on Compensation Insurance compiles workers compensation data.

Countrywide data is adjusted to North Carolina conditions in four steps. First, statewide indicated pure premiums are determined for North Carolina. Second, using North Carolina payrolls as weights, corresponding statewide-average pure premiums are computed for each remaining state. Third, the ratios of North Carolina statewide pure premiums to those for other states are used as adjustment factors to convert losses for other states to a basis that is consistent with the North Carolina indicated pure premiums. The quotient of the countrywide total of such adjusted losses divided by the total countrywide payroll for the classification is the initial pure premium indicated by national relativity. Finally, national pure premiums are balanced to the level of the state indicated pure premiums to ensure unbiased derived by formula pure premiums. Indemnity and medical pure premiums are computed separately.

#### Section D – Calculation of Derived by Formula Pure Premiums

The indicated, present on rate level and national pure premiums are credibility weighted, and the resulting derived by formula pure premiums are used to determine the final class loss costs.

As for the preceding pure premiums, separate computations are performed for each partial pure premium: indemnity and medical. Each partial formula pure premium is derived by the weighting of the indicated, present on rate level and national partial pure premiums. The weight assigned to the policy year indicated pure premium varies in one-percent intervals from zero percent to one hundred percent, depending upon the volume of expected losses (i.e. the product of the underlying pure premiums and the payroll in hundreds). To achieve full state credibility, a classification must have expected losses of at least: \$32,712,504 for indemnity and \$16,020,072 for medical.

The partial credibilities formula is:

$$z = [ (\text{expected losses}) / (\text{full credibility standard}) ]^{0.4}$$

For the national pure premiums, credibility is determined from the number of lost-time claims. Full credibility standards are: 1,150 lost-time claims for indemnity and 1,000 lost-time claims for medical.

Partial credibilities are assigned using a credibility formula similar to that used for indicated pure premiums but based on the number of national cases. In no case is the national credibility permitted to exceed 50% of the complement of the state credibility.

National Credibility equals the smaller of:

$$[ (\text{national cases}) / (\text{full credibility standard}) ]^{0.4} \text{ and } [ (1 - \text{state credibility}) / 2 ]$$

The residual credibility (100% minus the sum of the state and national credibilities) is assigned to the present on rate level pure premium.

For example, if the state credibility is 40%, the national pure premium is assigned a maximum credibility of 30% ((100-40) / 2). The remainder is assigned to the present on rate level pure premium.

The total pure premium shown on the attached Appendix B-IV is obtained by adding the indemnity and medical partial pure premiums obtained above and rounding the sum to two decimal places.

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 0005		FARM: NURSERY EMPLOYEES & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	AMOUNT	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	94,052,762	7	239,373	23	687,551	148,383	598,482	1,673,789	1.78
1/08 through 12/08	88,244,655	2	62,109	29	502,521	42,585	524,582	1,131,797	1.28
1/09 through 12/09	78,451,953	10	697,077	23	357,588	1,570,035	684,146	3,308,846	4.22
1/10 through 12/10	78,664,320	1	87,797	18	283,017	109,458	471,172	951,444	1.21
1/11 through 12/11	82,924,692	10	327,724	24	468,206	420,091	627,756	1,843,777	2.22
5 YR. TOTAL	422,338,382	30	1,414,080	117	2,298,883	2,290,552	2,906,138	8,909,653	2.11
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		47%	0.879	66%	1.230	2.11			
Pure Premium Indicated by National Relativity		26%	1.389	17%	1.738	3.13			
Pure Premium Present on Rate Level		27%	1.152	17%	1.328	2.48			
Pure Premium Derived by Formula		1.085			1.333			2.42	

CLASS 0008		FARM: GARDENING-MARKET OR TRUCK-& DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	AMOUNT	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	37,479,957	2	35,087	8	180,495	133,203	221,541	570,326	1.52
1/08 through 12/08	41,313,778	2	52,562	7	22,780	20,653	76,152	172,147	0.42
1/09 through 12/09	52,584,951	1	328,086	8	91,706	294,008	181,414	895,214	1.70
1/10 through 12/10	50,494,488	2	98,387	11	133,825	807,824	403,877	1,443,913	2.86
1/11 through 12/11	59,829,736	1	49,477	11	266,966	30,946	427,230	774,619	1.30
5 YR. TOTAL	241,702,910	8	563,599	45	695,772	1,286,634	1,310,214	3,856,219	1.60
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	0.521	50%	1.074	1.60			
Pure Premium Indicated by National Relativity		32%	1.160	25%	1.539	2.70			
Pure Premium Present on Rate Level		33%	0.973	25%	1.182	2.16			
Pure Premium Derived by Formula		0.875			1.217			2.09	

CLASS 0016		FARM - ORCHARD OR GROVE & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	AMOUNT	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	1,820,472	0	0	0	0	0	5,207	5,207	0.29
1/08 through 12/08	2,496,201	1	39,072	1	91,415	378,814	81,044	590,345	23.65
1/09 through 12/09	2,357,984	0	0	0	0	0	4,150	4,150	0.18
1/10 through 12/10	2,889,075	0	0	0	0	0	4,841	4,841	0.17
1/11 through 12/11	3,162,311	0	0	0	0	0	4,842	4,842	0.15
5 YR. TOTAL	12,726,043	1	39,072	1	91,415	378,814	100,084	609,385	4.79
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	1.025	28%	3.763	4.79			
Pure Premium Indicated by National Relativity		41%	3.079	36%	3.338	6.42			
Pure Premium Present on Rate Level		42%	3.239	36%	5.223	8.46			
Pure Premium Derived by Formula		2.797			4.136			6.93	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 0034		FARM: POULTRY OR EGG PRODUCER & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	57,396,935	5	448,304	19	427,646	190,239	591,485	1,657,674	2.89
1/08 through 12/08	47,037,789	1	312,028	19	303,219	363,054	601,061	1,579,362	3.36
1/09 through 12/09	50,938,743	9	577,579	20	377,335	988,533	460,950	2,404,397	4.72
1/10 through 12/10	55,178,938	6	387,739	17	829,346	429,293	579,345	2,225,723	4.03
1/11 through 12/11	70,717,199	3	1,077,722	21	490,609	984,295	586,759	3,139,385	4.44
5 YR. TOTAL	281,269,604	24	2,803,372	96	2,428,155	2,955,414	2,819,600	11,006,541	3.91
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		47%	1.860	66%	2.053	3.91			
Pure Premium Indicated by National Relativity		26%	1.525	17%	1.697	3.22			
Pure Premium Present on Rate Level		27%	1.722	17%	2.004	3.73			
Pure Premium Derived by Formula		1.736			1.984			3.72	

CLASS 0035		FARM: FLORIST & DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	49,001,544	6	144,974	16	405,216	370,735	538,945	1,459,870	2.98
1/08 through 12/08	30,798,166	2	320,778	9	25,892	169,980	114,127	630,777	2.05
1/09 through 12/09	43,378,258	0	0	10	311,522	0	473,139	784,661	1.81
1/10 through 12/10	49,936,449	2	44,104	15	236,041	17,782	387,921	685,848	1.37
1/11 through 12/11	57,964,077	0	0	11	239,695	0	459,612	699,307	1.21
5 YR. TOTAL	231,078,494	10	509,856	61	1,218,366	558,497	1,973,744	4,260,463	1.84
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		37%	0.748	52%	1.096	1.84			
Pure Premium Indicated by National Relativity		31%	1.312	24%	1.609	2.92			
Pure Premium Present on Rate Level		32%	1.157	24%	1.343	2.50			
Pure Premium Derived by Formula		1.054			1.278			2.33	

CLASS 0036		FARM: DAIRY & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	6,482,365	1	116,518	0	0	129,727	9,388	255,633	3.94
1/08 through 12/08	8,350,655	1	82,821	1	272	300,787	30,602	414,482	4.96
1/09 through 12/09	8,248,126	0	0	5	150,770	0	141,122	291,892	3.54
1/10 through 12/10	8,852,174	1	3,713	1	8,359	53,458	29,228	94,758	1.07
1/11 through 12/11	9,909,626	1	81,290	3	120,298	204,475	304,801	710,864	7.17
5 YR. TOTAL	41,842,946	4	284,342	10	279,699	688,447	515,141	1,767,629	4.22
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	1.348	30%	2.876	4.22			
Pure Premium Indicated by National Relativity		39%	1.751	35%	2.303	4.05			
Pure Premium Present on Rate Level		39%	1.682	35%	1.804	3.49			
Pure Premium Derived by Formula		1.635			2.300			3.94	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 0037		FARM: FIELD CROPS & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	124,629,383	10	411,056	56	766,772	374,258	1,426,886	2,978,972	2.39
1/08 through 12/08	133,821,440	12	859,550	48	915,853	607,042	1,413,093	3,795,538	2.84
1/09 through 12/09	139,478,830	10	287,042	51	1,523,559	204,261	2,176,246	4,191,108	3.01
1/10 through 12/10	147,846,145	12	1,364,685	50	1,470,298	1,994,746	2,141,164	6,970,893	4.72
1/11 through 12/11	160,902,755	14	1,547,886	54	2,555,391	2,478,908	2,588,892	9,171,077	5.70
5 YR. TOTAL	706,678,553	58	4,470,219	259	7,231,873	5,659,215	9,746,281	27,107,588	3.84
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		68%	1.656	94%	2.180	3.84			
Pure Premium Indicated by National Relativity		16%	1.960	3%	2.353	4.31			
Pure Premium Present on Rate Level		16%	1.749	3%	1.929	3.68			
Pure Premium Derived by Formula		1.720			2.178			3.90	

CLASS 0042		LANDSCAPE GARDENING & DRIVERS							
Industry Group: Contracting Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	230,300,529	31	1,405,397	105	2,046,417	1,834,297	3,126,775	8,412,886	3.65
1/08 through 12/08	203,937,722	16	1,057,942	116	1,854,627	1,235,917	2,533,863	6,682,349	3.28
1/09 through 12/09	167,648,158	14	474,062	85	2,155,569	1,240,420	2,177,222	6,047,273	3.61
1/10 through 12/10	164,011,778	25	1,529,703	103	2,570,513	2,164,431	2,619,851	8,884,498	5.42
1/11 through 12/11	172,363,719	21	1,231,296	91	2,174,587	1,731,789	2,908,125	8,045,797	4.67
5 YR. TOTAL	938,261,906	107	5,698,400	500	10,801,713	8,206,854	13,365,836	38,072,803	4.06
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		77%	1.759	100%	2.299	4.06			
Pure Premium Indicated by National Relativity		11%	2.984	0%	3.214	6.20			
Pure Premium Present on Rate Level		12%	1.855	0%	2.117	3.97			
Pure Premium Derived by Formula		1.905			2.299			4.20	

CLASS 0050		FARM MACHINERY OPERATION-BY CONTRACTOR-& DRIVERS							
Industry Group: Contracting Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	11,071,669	4	377,404	2	20,712	306,703	45,037	749,856	6.77
1/08 through 12/08	10,595,159	2	151,783	4	6,975	106,336	82,841	347,935	3.28
1/09 through 12/09	7,619,055	1	36,462	4	79,171	0	156,094	271,727	3.57
1/10 through 12/10	8,460,407	1	132,650	1	11,547	44,201	13,768	202,166	2.39
1/11 through 12/11	9,563,426	1	216,743	4	161,197	243,015	113,681	734,636	7.68
5 YR. TOTAL	47,309,716	9	915,042	15	279,602	700,255	411,421	2,306,320	4.88
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		29%	2.525	39%	2.350	4.88			
Pure Premium Indicated by National Relativity		35%	3.310	30%	3.178	6.49			
Pure Premium Present on Rate Level		36%	3.109	31%	3.212	6.32			
Pure Premium Derived by Formula		3.010			2.866			5.88	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 0079		FARM: BERRY OR VINEYARD & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,676,281	1	1,999	2	4,939	8,017	11,258	26,213	0.30
1/08 through 12/08	6,975,671	0	0	1	506	0	7,181	7,687	0.11
1/09 through 12/09	8,662,448	0	0	2	5,259	0	94,481	99,740	1.15
1/10 through 12/10	10,146,948	3	574,244	2	66,507	670,965	68,356	1,380,072	13.60
1/11 through 12/11	11,827,461	0	0	2	3,719	0	36,638	40,357	0.34
5 YR. TOTAL	46,288,809	4	576,243	9	80,930	678,982	217,914	1,554,069	3.36
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	1.420	32%	1.938	3.36			
Pure Premium Indicated by National Relativity		39%	1.421	34%	2.535	3.96			
Pure Premium Present on Rate Level		40%	1.478	34%	1.942	3.42			
Pure Premium Derived by Formula		1.444			2.142			3.59	

CLASS 0083		FARM: CATTLE OR LIVESTOCK RAISING NOC & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	137,636,233	23	1,138,155	57	1,070,564	1,224,736	1,956,899	5,390,354	3.92
1/08 through 12/08	118,740,983	16	1,359,613	54	878,346	1,026,779	1,273,052	4,537,790	3.82
1/09 through 12/09	106,913,671	4	432,475	57	1,717,448	100,470	1,269,003	3,519,396	3.29
1/10 through 12/10	120,160,388	5	202,666	44	1,600,642	240,593	1,250,342	3,294,243	2.74
1/11 through 12/11	132,797,660	11	759,076	39	1,231,874	688,660	1,305,927	3,985,537	3.00
5 YR. TOTAL	616,248,935	59	3,891,985	251	6,498,874	3,281,238	7,055,223	20,727,320	3.36
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		63%	1.686	83%	1.677	3.36			
Pure Premium Indicated by National Relativity		18%	2.726	8%	3.611	6.34			
Pure Premium Present on Rate Level		19%	1.653	9%	1.602	3.26			
Pure Premium Derived by Formula		1.867			1.825			3.69	

CLASS 0106		TREE PRUNING, SPRAYING, REPAIRING -- ALL OPERATIONS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	15,290,665	6	873,489	16	1,033,249	965,045	713,607	3,585,390	23.45
1/08 through 12/08	14,297,790	5	749,392	17	556,675	808,730	1,111,969	3,226,766	22.57
1/09 through 12/09	14,951,738	5	732,032	22	1,150,212	1,558,762	738,971	4,179,977	27.96
1/10 through 12/10	16,433,299	5	559,280	22	759,851	446,112	522,785	2,288,028	13.92
1/11 through 12/11	18,494,413	9	708,092	21	589,945	1,360,833	918,320	3,577,190	19.34
5 YR. TOTAL	79,467,905	30	3,622,285	98	4,089,932	5,139,482	4,005,652	16,857,351	21.21
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		56%	9.705	79%	11.508	21.21			
Pure Premium Indicated by National Relativity		22%	6.777	10%	7.477	14.25			
Pure Premium Present on Rate Level		22%	10.057	11%	11.224	21.28			
Pure Premium Derived by Formula		9.138			11.074			20.21	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

## NORTH CAROLINA

APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 0113		FARM: FISH HATCHERY & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,785,989	0	0	2	78,146	0	243,456	321,602	11.54
1/08 through 12/08	2,779,814	0	0	1	11,626	0	26,886	38,512	1.39
1/09 through 12/09	2,301,273	0	0	1	123,220	0	198,306	321,526	13.97
1/10 through 12/10	2,161,848	0	0	0	0	0	1,939	1,939	0.09
1/11 through 12/11	2,360,726	0	0	1	4,088	0	8,939	13,027	0.55
5 YR. TOTAL	12,389,650	0	0	5	217,080	0	479,526	696,606	5.62
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		14%	1.752	22%	3.870			5.62	
Pure Premium Indicated by National Relativity		43%	2.372	39%	2.353			4.73	
Pure Premium Present on Rate Level		43%	2.049	39%	2.760			4.81	
Pure Premium Derived by Formula		2.146		2.845				4.99	

CLASS 0170		FARM: ANIMAL RAISING & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	310,230	0	0	1	4,721	0	3,620	8,341	2.69
1/08 through 12/08	275,490	0	0	0	0	0	1,143	1,143	0.42
1/09 through 12/09	110,424	0	0	0	0	0	0	0	0.00
1/10 through 12/10	111,428	0	0	0	0	0	528	528	0.47
1/11 through 12/11	115,584	0	0	1	5,982	0	1,399	7,381	6.39
5 YR. TOTAL	923,156	0	0	2	10,703	0	6,690	17,393	1.88
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		5%	1.159	7%	0.725			1.88	
Pure Premium Indicated by National Relativity		26%	1.572	28%	1.254			2.83	
Pure Premium Present on Rate Level		69%	1.518	65%	1.873			3.39	
Pure Premium Derived by Formula		1.514		1.619				3.13	

CLASS 0251		IRRIGATION WORKS OPERATION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	380,246	1	5,106	0	0	11,777	0	16,883	4.44
1/08 through 12/08	238,334	0	0	0	0	0	0	0	0.00
1/09 through 12/09	133,272	0	0	0	0	0	0	0	0.00
1/10 through 12/10	135,025	0	0	0	0	0	0	0	0.00
1/11 through 12/11	250,089	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,136,966	1	5,106	0	0	11,777	0	16,883	1.49
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		6%	0.449	7%	1.036			1.49	
Pure Premium Indicated by National Relativity		47%	1.962	46%	2.358			4.32	
Pure Premium Present on Rate Level		47%	2.107	47%	2.150			4.26	
Pure Premium Derived by Formula		1.939		2.168				4.11	

\* Pure Premium per \$100 of Payroll  
 \*\* Pure Premium per employee  
 ++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 0400		COTTON COMPRESSING & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	32,094	0	0	0	0	0	0	0	0.00
1/08 through 12/08	30,895	0	0	0	0	0	0	0	0.00
1/09 through 12/09	31,880	0	0	0	0	0	0	0	0.00
1/10 through 12/10	9,877	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	104,746	0	0	0	0	0	0	0	0.00
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	3%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.163	0.16			
Pure Premium Present on Rate Level		97%	3.634	97%	3.153	6.79			
Pure Premium Derived by Formula		3.525			3.058			6.58	

CLASS 0401		COTTON GIN OPERATION & LOCAL MANAGERS, DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,511,437	0	0	1	1,171	0	25,380	26,551	0.48
1/08 through 12/08	5,700,687	0	0	3	53,626	0	40,174	93,800	1.65
1/09 through 12/09	7,146,838	1	218,823	4	78,294	533,803	88,928	919,848	12.87
1/10 through 12/10	7,868,512	1	149,049	5	284,699	51,566	571,907	1,057,221	13.44
1/11 through 12/11	9,436,681	2	22,636	5	354,202	32,712	306,878	716,428	7.59
5 YR. TOTAL	35,664,155	4	390,508	18	771,992	618,081	1,033,267	2,813,848	7.89
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		27%	3.260	41%	4.630	7.89			
Pure Premium Indicated by National Relativity		36%	4.877	29%	5.454	10.33			
Pure Premium Present on Rate Level		37%	3.380	30%	4.841	8.22			
Pure Premium Derived by Formula		3.887			4.932			8.82	

CLASS 0908 + +		DOMESTIC WORKERS - RESIDENCES - PART-TIME							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	EXPOSURE	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,016	0	0	1	51,206	0	17,468	68,674	340.65
1/08 through 12/08	1,901	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,805	0	0	0	0	0	0	0	0.00
1/10 through 12/10	2,305	0	0	1	340	0	12,649	12,989	56.35
1/11 through 12/11	2,835	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	10,862	0	0	2	51,546	0	30,117	81,663	75.18
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.**	CRED.	PURE PREM.**	PURE PREM.**			
Indicated Pure Premium		9%	47.456	11%	27.727	75.18			
Pure Premium Indicated by National Relativity		34%	58.923	35%	65.404	124.33			
Pure Premium Present on Rate Level		57%	74.414	54%	64.904	139.32			
Pure Premium Derived by Formula		66.721			60.990			127.71	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 0913 + +		DOMESTIC WORKERS - RESIDENCES - FULL-TIME							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	EXPOSURE	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,852	0	0	1	130,235	0	57,990	188,225	387.93
1/08 through 12/08	4,859	0	0	2	264,856	0	125,610	390,466	803.59
1/09 through 12/09	4,905	0	0	1	105,649	0	39,208	144,857	295.33
1/10 through 12/10	4,433	2	208,740	1	771	303,554	23,519	536,584	1210.40
1/11 through 12/11	3,939	0	0	3	234,157	0	141,617	375,774	953.98
5 YR. TOTAL	22,988	2	208,740	8	735,668	303,554	387,944	1,635,906	711.64
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.**	CRED.	PURE PREM.**	PURE PREM.**			
Indicated Pure Premium		19%	410.827	23%	300.809	711.64			
Pure Premium Indicated by National Relativity		40%	255.404	38%	224.212	479.62			
Pure Premium Present on Rate Level		41%	222.173	39%	183.737	405.91			
Pure Premium Derived by Formula		271.310			226.044			497.35	

CLASS 0917		RESIDENTIAL CLEANING SERVICES BY CONTRACTOR - INSIDE							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,634,968	1	164,355	6	146,975	19,944	84,192	415,466	7.37
1/08 through 12/08	6,963,077	2	73,602	5	54,472	25,611	173,963	327,648	4.71
1/09 through 12/09	6,692,268	1	4,717	6	90,851	8,459	127,305	231,332	3.46
1/10 through 12/10	7,185,660	2	403	6	44,173	15,278	211,381	271,235	3.77
1/11 through 12/11	8,247,063	3	218,516	8	146,872	204,002	208,516	777,906	9.43
5 YR. TOTAL	34,723,036	9	461,593	31	483,343	273,294	805,357	2,023,587	5.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	2.721	30%	3.106	5.83			
Pure Premium Indicated by National Relativity		39%	2.290	35%	2.541	4.83			
Pure Premium Present on Rate Level		39%	2.140	35%	2.275	4.42			
Pure Premium Derived by Formula		2.326			2.617			4.94	

CLASS 1005		COAL MINING-SURFACE & DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		50%	3.885	50%	2.503	6.39			
Pure Premium Present on Rate Level		50%	3.877	50%	2.494	6.37			
Pure Premium Derived by Formula		3.881			2.499			6.38	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

# NORTH CAROLINA

APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 1164		MINING NOC-NOT COAL-UNDERGROUND-& DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	163,138	0	0	0	0	0	0	0	0.00
1/09 through 12/09	139,754	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>302,892</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.000	5%	0.000	0.00			
Pure Premium Indicated by National Relativity		48%	3.790	47%	2.929	6.72			
Pure Premium Present on Rate Level		48%	4.032	48%	3.020	7.05			
Pure Premium Derived by Formula		3.755			2.826			6.58	

CLASS 1165		MINING NOC-NOT COAL-SURFACE & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,065,537	0	0	1	31,076	0	26,881	57,957	5.44
1/08 through 12/08	1,494,435	0	0	2	211,240	0	109,888	321,128	21.49
1/09 through 12/09	3,704,478	0	0	0	0	0	10,660	10,660	0.29
1/10 through 12/10	7,828,546	0	0	0	0	0	0	0	0.00
1/11 through 12/11	7,989,816	0	0	1	49,212	0	74,854	124,066	1.55
<b>5 YR. TOTAL</b>	<b>22,082,812</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>291,528</b>	<b>0</b>	<b>222,283</b>	<b>513,811</b>	<b>2.33</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	1.320	23%	1.007	2.33			
Pure Premium Indicated by National Relativity		40%	2.271	38%	1.862	4.13			
Pure Premium Present on Rate Level		40%	2.772	39%	1.817	4.59			
Pure Premium Derived by Formula		2.281			1.648			3.93	

CLASS 1320		OIL OR GAS LEASE OPERATOR-ALL OPERATIONS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	209,568	0	0	0	0	0	0	0	0.00
1/08 through 12/08	179,295	0	0	0	0	0	0	0	0.00
1/09 through 12/09	76,886	0	0	0	0	0	0	0	0.00
1/10 through 12/10	49,438	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>515,187</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	4%	0.000	0.00			
Pure Premium Indicated by National Relativity		48%	1.087	48%	1.033	2.12			
Pure Premium Present on Rate Level		49%	1.430	48%	1.201	2.63			
Pure Premium Derived by Formula		1.222			1.072			2.29	

\* Pure Premium per \$100 of Payroll  
 \*\* Pure Premium per employee  
 ++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 1322		OIL OR GAS - WELL - CLEANING OR SWABBING OF WELLS BY SPECIALIST CONTRACTOR - NO DRILLING & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		50%	4.925	50%	3.890	8.82			
Pure Premium Present on Rate Level		50%	5.390	50%	3.872	9.26			
Pure Premium Derived by Formula		5.158			3.881			9.04	

CLASS 1430		SMELTING, SINTERING OR REFINING-LEAD-& DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	580,726	0	0	0	0	0	3,750	3,750	0.65
1/08 through 12/08	549,624	0	0	2	184,481	0	176,063	360,544	65.60
1/09 through 12/09	107,925	0	0	0	0	0	588	588	0.55
1/10 through 12/10	136,328	0	0	1	28,737	0	22,975	51,712	37.93
1/11 through 12/11	658,016	0	0	2	13,948	0	4,620	18,568	2.82
5 YR. TOTAL	2,032,619	0	0	5	227,166	0	207,996	435,162	21.41
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	11.176	11%	10.233	21.41			
Pure Premium Indicated by National Relativity		35%	2.210	37%	2.082	4.29			
Pure Premium Present on Rate Level		57%	2.634	52%	3.487	6.12			
Pure Premium Derived by Formula		3.169			3.709			6.88	

CLASS 1438		SMELTING, SINTERING OR REFINING-METALS-NOT IRON OR LEAD-NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	20,285,384	7	1,016,564	4	17,286	810,338	44,468	1,888,656	9.31
1/08 through 12/08	22,744,401	1	31,060	6	88,623	0	171,551	291,234	1.28
1/09 through 12/09	21,132,082	2	75,267	6	352,219	0	132,958	560,444	2.65
1/10 through 12/10	23,718,287	1	110,578	5	143,731	27,603	206,072	487,984	2.06
1/11 through 12/11	25,553,207	1	69,091	3	61,255	0	85,998	216,344	0.85
5 YR. TOTAL	113,433,361	12	1,302,560	24	663,114	837,941	641,047	3,444,662	3.04
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		34%	1.733	43%	1.304	3.04			
Pure Premium Indicated by National Relativity		33%	2.412	28%	2.545	4.96			
Pure Premium Present on Rate Level		33%	1.949	29%	1.742	3.69			
Pure Premium Derived by Formula		2.028			1.779			3.81	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 1452		ORE MILLING & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,306,555	0	0	1	15,805	0	49,130	64,935	1.96
1/08 through 12/08	5,368,027	0	0	3	33,624	0	64,574	98,198	1.83
1/09 through 12/09	3,193,966	0	0	0	0	0	5,319	5,319	0.17
1/10 through 12/10	3,490,130	0	0	1	257,730	0	106,846	364,576	10.45
1/11 through 12/11	3,738,074	0	0	0	0	0	2,751	2,751	0.07
5 YR. TOTAL	19,096,752	0	0	5	307,159	0	228,620	535,779	2.81
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	1.608	17%	1.197	2.81			
Pure Premium Indicated by National Relativity		43%	1.620	41%	1.282	2.90			
Pure Premium Present on Rate Level		43%	1.221	42%	1.077	2.30			
Pure Premium Derived by Formula		1.447			1.181			2.63	

CLASS 1463		ASPHALT WORKS OPERATED BY PAVING CONTRACTORS - PERMANENT LOCATION & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	25,462,313	2	65,858	14	320,493	45,587	984,630	1,416,568	5.56
1/08 through 12/08	24,263,203	4	199,958	11	292,475	228,239	414,938	1,135,610	4.68
1/09 through 12/09	23,668,074	7	983,568	6	122,870	1,819,521	164,140	3,090,099	13.06
1/10 through 12/10	26,112,787	1	176,907	7	67,671	85,187	104,874	434,639	1.67
1/11 through 12/11	27,589,774	4	501,264	16	360,576	1,117,440	674,218	2,653,498	9.62
5 YR. TOTAL	127,096,151	18	1,927,555	54	1,164,085	3,295,974	2,342,800	8,730,414	6.87
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		47%	2.433	64%	4.437	6.87			
Pure Premium Indicated by National Relativity		26%	4.498	18%	4.892	9.39			
Pure Premium Present on Rate Level		27%	3.899	18%	4.184	8.08			
Pure Premium Derived by Formula		3.366			4.473			7.84	

CLASS 1470		COKE MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	2.259	100%	1.193	3.45			
Pure Premium Derived by Formula		2.259			1.193			3.45	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 1473		TURPENTINE OR RESIN MFG.-STEAM OR NON-DESTRUCTIVE PROCESS-& DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	82,744	0	0	0	0	0	0	0	0.00
1/08 through 12/08	2,040	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	84,784	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	2%	0.000	0.00			
Pure Premium Indicated by National Relativity		14%	0.439	15%	0.396	0.84			
Pure Premium Present on Rate Level		85%	1.016	83%	0.740	1.76			
Pure Premium Derived by Formula		0.925			0.674			1.60	

CLASS 1474		DISTILLATION - WOOD - DESTRUCTIVE PROCESS & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	5,693	0	0	0	0	0	0	0	0.00
1/09 through 12/09	2,158	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	7,851	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.000	0.00			
Pure Premium Indicated by National Relativity		6%	0.487	6%	0.482	0.97			
Pure Premium Present on Rate Level		93%	1.343	93%	0.766	2.11			
Pure Premium Derived by Formula		1.278			0.741			2.02	

CLASS 1624		QUARRY NOC & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	60,029,389	3	228,582	10	629,558	175,528	713,907	1,747,575	2.91
1/08 through 12/08	55,827,157	5	255,590	10	918,905	217,781	794,723	2,186,999	3.92
1/09 through 12/09	53,616,655	0	0	5	378,082	0	290,229	668,311	1.25
1/10 through 12/10	68,883,872	1	44,674	20	591,915	50,905	859,478	1,546,972	2.25
1/11 through 12/11	61,804,253	0	0	6	495,447	0	289,857	785,304	1.27
5 YR. TOTAL	300,161,326	9	528,846	51	3,013,907	444,214	2,948,194	6,935,161	2.31
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		46%	1.180	59%	1.130	2.31			
Pure Premium Indicated by National Relativity		27%	2.353	20%	1.993	4.35			
Pure Premium Present on Rate Level		27%	1.600	21%	1.435	3.04			
Pure Premium Derived by Formula		1.610			1.367			2.98	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 1642		<b>LIME MFG</b>							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	222,435	0	0	0	0	0	0	0	0.00
1/08 through 12/08	168,531	0	0	0	0	0	0	0	0.00
1/09 through 12/09	150,278	0	0	0	0	0	0	0	0.00
1/10 through 12/10	55,792	0	0	0	0	0	0	0	0.00
1/11 through 12/11	2,322	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	599,358	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.000	5%	0.000	0.00			
Pure Premium Indicated by National Relativity		37%	1.062	40%	1.176	2.24			
Pure Premium Present on Rate Level		59%	1.507	55%	1.241	2.75			
Pure Premium Derived by Formula		1.282			1.153			2.44	

<b>CLASS</b> 1654		<b>QUARRY-CEMENT ROCK-SURFACE-&amp; DRIVERS</b>							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	203,014	0	0	1	252,987	0	124,406	377,393	185.90
1/08 through 12/08	43,120	0	0	1	261,951	0	110,011	371,962	862.62
1/09 through 12/09	2,499	0	0	0	0	0	0	0	0.00
1/10 through 12/10	36,264	0	0	0	0	0	0	0	0.00
1/11 through 12/11	56,784	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	341,681	0	0	2	514,938	0	234,417	749,355	219.31
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	150.707	7%	68.607	219.31			
Pure Premium Indicated by National Relativity		34%	5.381	35%	5.282	10.66			
Pure Premium Present on Rate Level		60%	9.169	58%	7.322	16.49			
Pure Premium Derived by Formula		16.373			10.898			27.27	

<b>CLASS</b> 1655		<b>LIME MFG-QUARRY-SURFACE-&amp; DRIVERS</b>							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	331,455	0	0	0	0	0	0	0	0.00
1/08 through 12/08	303,680	0	0	0	0	0	0	0	0.00
1/09 through 12/09	352,922	0	0	0	0	0	0	0	0.00
1/10 through 12/10	476,837	0	0	0	0	0	0	0	0.00
1/11 through 12/11	446,011	0	0	0	0	0	487	487	0.11
5 YR. TOTAL	1,910,905	0	0	0	0	0	487	487	0.03
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.000	9%	0.025	0.03			
Pure Premium Indicated by National Relativity		25%	1.427	27%	1.232	2.66			
Pure Premium Present on Rate Level		68%	2.185	64%	1.864	4.05			
Pure Premium Derived by Formula		1.843			1.528			3.37	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 1699		ROCK WOOL MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	9,688,395	1	56,704	1	15,481	0	60,478	132,663	1.37
1/08 through 12/08	9,252,238	0	0	7	319,039	0	151,845	470,884	5.09
1/09 through 12/09	8,326,055	2	324,770	5	35,107	250,591	58,646	669,114	8.04
1/10 through 12/10	7,749,817	1	87,959	3	44,545	29,806	38,857	201,167	2.60
1/11 through 12/11	7,967,726	0	0	4	184,951	0	122,223	307,174	3.86
5 YR. TOTAL	42,984,231	4	469,433	20	599,123	280,397	432,049	1,781,002	4.14
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	2.486	31%	1.657	4.14			
Pure Premium Indicated by National Relativity		38%	1.219	34%	1.728	2.95			
Pure Premium Present on Rate Level		39%	1.996	35%	2.001	4.00			
Pure Premium Derived by Formula		1.813		1.802		3.62			

CLASS 1701		CEMENT MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,747,551	2	94,430	1	12,083	37,195	22,536	166,244	1.90
1/08 through 12/08	4,150,388	2	306,269	0	0	106,868	13,043	426,180	10.27
1/09 through 12/09	3,193,015	0	0	5	332,242	0	366,412	698,654	21.88
1/10 through 12/10	3,228,206	1	256,604	4	68,898	100,335	115,428	541,265	16.77
1/11 through 12/11	2,420,273	1	113,519	1	66,459	240,646	60,405	481,029	19.88
5 YR. TOTAL	21,739,433	6	770,822	11	479,682	485,044	577,824	2,313,372	10.64
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	5.752	25%	4.889	10.64			
Pure Premium Indicated by National Relativity		40%	1.471	37%	1.536	3.01			
Pure Premium Present on Rate Level		40%	2.669	38%	2.308	4.98			
Pure Premium Derived by Formula		2.806		2.668		5.47			

CLASS 1710		STONE CRUSHING & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,980,946	0	0	1	6,339	0	30,887	37,226	1.25
1/08 through 12/08	2,995,469	0	0	2	68,341	0	178,046	246,387	8.23
1/09 through 12/09	2,458,172	1	8,224	0	0	0	6,600	14,824	0.60
1/10 through 12/10	3,025,214	0	0	2	34,710	0	47,489	82,199	2.72
1/11 through 12/11	3,806,462	1	73,125	0	0	12,755	7,930	93,810	2.46
5 YR. TOTAL	15,266,263	2	81,349	5	109,390	12,755	270,952	474,446	3.11
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	1.249	23%	1.858	3.11			
Pure Premium Indicated by National Relativity		41%	3.469	38%	2.813	6.28			
Pure Premium Present on Rate Level		42%	2.441	39%	2.595	5.04			
Pure Premium Derived by Formula		2.660		2.508		5.17			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 1741		FLINT GRINDING & DRIVERS							
Industry Group: Manufacturing Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,365,332	0	0	0	0	0	611	611	0.02
1/08 through 12/08	3,614,309	0	0	0	0	0	11,066	11,066	0.31
1/09 through 12/09	4,211,145	0	0	0	0	0	1,472	1,472	0.04
1/10 through 12/10	4,864,712	0	0	0	0	0	14,672	14,672	0.30
1/11 through 12/11	3,503,476	0	0	1	48,279	0	103,213	151,492	4.32
5 YR. TOTAL	19,558,974	0	0	1	48,279	0	131,034	179,313	0.92
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.247	18%	0.670	0.92			
Pure Premium Indicated by National Relativity		24%	1.533	25%	1.097	2.63			
Pure Premium Present on Rate Level		62%	1.146	57%	1.102	2.25			
Pure Premium Derived by Formula		1.113			1.023			2.14	

CLASS 1747		EMERY WORKS & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	968,200	0	0	0	0	0	0	0	0.00
1/08 through 12/08	875,549	0	0	0	0	0	226	226	0.03
1/09 through 12/09	733,252	0	0	0	0	0	0	0	0.00
1/10 through 12/10	855,343	0	0	0	0	0	0	0	0.00
1/11 through 12/11	869,119	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	4,301,463	0	0	0	0	0	226	226	0.01
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.000	8%	0.005	0.01			
Pure Premium Indicated by National Relativity		30%	1.420	32%	1.090	2.51			
Pure Premium Present on Rate Level		63%	0.977	60%	0.721	1.70			
Pure Premium Derived by Formula		1.042			0.782			1.82	

CLASS 1748		ABRASIVE WHEEL MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	216,883	0	0	0	0	0	0	0	0.00
1/08 through 12/08	248,440	0	0	0	0	0	0	0	0.00
1/09 through 12/09	58,206	0	0	0	0	0	0	0	0.00
1/10 through 12/10	74,553	0	0	0	0	0	0	0	0.00
1/11 through 12/11	97,985	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	696,067	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.000	5%	0.000	0.00			
Pure Premium Indicated by National Relativity		30%	1.532	32%	2.461	3.99			
Pure Premium Present on Rate Level		66%	1.284	63%	1.555	2.84			
Pure Premium Derived by Formula		1.307			1.767			3.07	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 1803		STONE CUTTING OR POLISHING NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	21,760,888	2	349,921	8	75,987	228,215	189,897	844,020	3.88
1/08 through 12/08	19,765,849	4	273,572	13	501,402	161,631	448,337	1,384,942	7.01
1/09 through 12/09	15,086,699	2	303,446	9	622,071	327,702	417,007	1,670,226	11.07
1/10 through 12/10	14,444,137	2	233,504	7	114,924	298,557	339,629	986,614	6.83
1/11 through 12/11	14,446,103	0	0	5	386,481	0	448,921	835,402	5.78
5 YR. TOTAL	85,503,676	10	1,160,443	42	1,700,865	1,016,105	1,843,791	5,721,204	6.69
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		38%	3.346	50%		3.345		6.69	
Pure Premium Indicated by National Relativity		31%	2.941	25%		2.984		5.93	
Pure Premium Present on Rate Level		31%	3.541	25%		3.391		6.93	
Pure Premium Derived by Formula		3.281			3.266		6.55		

CLASS 1852		ASBESTOS GOODS MFG							
Industry Group: Manufacturing Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	648,502	0	0	0	0	0	4,380	4,380	0.68
1/08 through 12/08	363,658	0	0	0	0	0	1,142	1,142	0.31
1/09 through 12/09	510,184	0	0	0	0	0	3,704	3,704	0.73
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,522,344	0	0	0	0	0	9,226	9,226	0.61
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		4%	0.000	7%		0.606		0.61	
Pure Premium Indicated by National Relativity		16%	1.156	16%		1.313		2.47	
Pure Premium Present on Rate Level		80%	0.891	77%		1.162		2.05	
Pure Premium Derived by Formula		0.898			1.147		2.05		

CLASS 1853		MICA GOODS MFG & MICA PREPARING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	274,814	0	0	0	0	0	499	499	0.18
1/08 through 12/08	251,474	0	0	0	0	0	0	0	0.00
1/09 through 12/09	131,518	0	0	0	0	0	0	0	0.00
1/10 through 12/10	100,616	0	0	0	0	0	0	0	0.00
1/11 through 12/11	235,761	0	0	0	0	0	1,498	1,498	0.64
5 YR. TOTAL	994,183	0	0	0	0	0	1,997	1,997	0.20
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.000	4%		0.201		0.20	
Pure Premium Indicated by National Relativity		9%	0.525	10%		0.604		1.13	
Pure Premium Present on Rate Level		88%	0.691	86%		0.447		1.14	
Pure Premium Derived by Formula		0.655			0.453		1.11		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 1860		ABRASIVE PAPER OR CLOTH PREPARATION							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,076,255	0	0	0	0	0	2,578	2,578	0.06
1/08 through 12/08	3,629,202	0	0	0	0	0	2,407	2,407	0.07
1/09 through 12/09	3,080,009	0	0	0	0	0	4,136	4,136	0.13
1/10 through 12/10	2,981,462	0	0	0	0	0	10,288	10,288	0.35
1/11 through 12/11	3,257,499	0	0	2	65,822	0	60,422	126,244	3.88
5 YR. TOTAL	17,024,427	0	0	2	65,822	0	79,831	145,653	0.86
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.387	15%	0.469	0.86			
Pure Premium Indicated by National Relativity		24%	1.530	25%	0.963	2.49			
Pure Premium Present on Rate Level		65%	0.794	60%	0.816	1.61			
Pure Premium Derived by Formula		0.926		0.801		1.73			

CLASS 1924		WIRE DRAWING OR CABLE MFG - NOT IRON OR STEEL							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	14,183,064	2	292,589	9	70,315	101,691	167,987	632,582	4.46
1/08 through 12/08	21,797,767	3	160,426	11	55,407	174,742	178,544	569,119	2.61
1/09 through 12/09	18,406,495	3	154,537	1	159,403	71,180	163,638	548,758	2.98
1/10 through 12/10	19,203,694	1	96,207	4	32,879	37,953	101,545	268,584	1.40
1/11 through 12/11	15,752,802	0	0	2	48,253	0	41,427	89,680	0.57
5 YR. TOTAL	89,343,822	9	703,759	27	366,257	385,566	653,141	2,108,723	2.36
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	1.198	35%	1.163	2.36			
Pure Premium Indicated by National Relativity		38%	0.766	32%	0.830	1.60			
Pure Premium Present on Rate Level		38%	1.072	33%	1.355	2.43			
Pure Premium Derived by Formula		0.986		1.120		2.11			

CLASS 1925		DIE CASTING MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,382,264	1	6,324	2	15,375	20,691	48,164	90,554	1.68
1/08 through 12/08	5,725,400	0	0	2	14,448	0	26,837	41,285	0.72
1/09 through 12/09	5,081,821	0	0	3	32,164	0	94,800	126,964	2.50
1/10 through 12/10	7,074,223	0	0	3	69,889	0	105,460	175,349	2.48
1/11 through 12/11	9,387,449	1	14,700	7	345,923	20,244	338,002	718,869	7.66
5 YR. TOTAL	32,651,157	2	21,024	17	477,799	40,935	613,263	1,153,021	3.53
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	1.528	25%	2.004	3.53			
Pure Premium Indicated by National Relativity		41%	1.159	37%	1.651	2.81			
Pure Premium Present on Rate Level		42%	1.142	38%	1.580	2.72			
Pure Premium Derived by Formula		1.215		1.712		2.93			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2002		PASTA OR NOODLE MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	33,022	0	0	0	0	0	0	0	0.00
1/10 through 12/10	24,774	0	0	0	0	0	0	0	0.00
1/11 through 12/11	600,543	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	658,339	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	5%	0.000	0.000	0.000	0.000	0.00
Pure Premium Indicated by National Relativity		40%	0.668	42%	1.139	1.139	1.139	1.139	1.81
Pure Premium Present on Rate Level		57%	1.025	53%	1.215	1.215	1.215	1.215	2.24
Pure Premium Derived by Formula			0.851		1.122	1.122	1.122	1.122	1.97

CLASS 2003		BAKERY - SALESPERSONS & DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	217,442,653	11	975,909	59	1,417,088	368,709	1,832,197	4,593,903	2.11
1/08 through 12/08	215,439,596	7	454,612	68	1,567,720	443,638	1,548,166	4,014,136	1.86
1/09 through 12/09	232,469,655	21	1,791,374	67	2,067,711	1,388,636	2,260,803	7,508,524	3.23
1/10 through 12/10	252,017,386	29	2,162,008	67	2,171,896	2,360,243	2,237,893	8,932,040	3.55
1/11 through 12/11	224,777,816	20	2,201,521	75	2,427,521	1,548,148	2,474,494	8,651,684	3.85
5 YR. TOTAL	1,142,147,106	88	7,585,424	336	9,651,936	6,109,374	10,353,553	33,700,287	2.95
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		73%	1.509	95%	1.441	1.441	1.441	1.441	2.95
Pure Premium Indicated by National Relativity		13%	1.755	2%	1.769	1.769	1.769	1.769	3.52
Pure Premium Present on Rate Level		14%	1.343	3%	1.269	1.269	1.269	1.269	2.61
Pure Premium Derived by Formula			1.518		1.442	1.442	1.442	1.442	2.96

CLASS 2014		GRAIN OR FEED MILLING							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	33,374,383	5	598,224	11	540,078	1,068,305	673,231	2,879,838	8.63
1/08 through 12/08	35,452,061	1	247,518	7	114,500	313,213	201,364	876,595	2.47
1/09 through 12/09	39,873,364	3	179,091	18	236,158	487,946	385,097	1,288,292	3.23
1/10 through 12/10	39,782,698	1	73,893	6	181,634	251,057	232,856	739,440	1.86
1/11 through 12/11	34,103,215	0	0	11	467,524	0	658,803	1,126,327	3.30
5 YR. TOTAL	182,585,721	10	1,098,726	53	1,539,894	2,120,521	2,151,351	6,910,492	3.79
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	1.445	59%	2.340	2.340	2.340	2.340	3.79
Pure Premium Indicated by National Relativity		30%	2.152	20%	2.322	2.322	2.322	2.322	4.47
Pure Premium Present on Rate Level		30%	1.881	21%	2.403	2.403	2.403	2.403	4.28
Pure Premium Derived by Formula			1.788		2.350	2.350	2.350	2.350	4.14

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2016		CEREAL OR BAR MFG.							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	6,062,548	1	3,755	0	0	38,314	0	42,069	0.69
1/08 through 12/08	5,775,253	0	0	0	0	0	0	0	0.00
1/09 through 12/09	10,925,639	0	0	1	2,409	0	21,519	23,928	0.22
1/10 through 12/10	13,606,918	0	0	2	48,651	0	37,410	86,061	0.63
1/11 through 12/11	10,839,759	0	0	0	0	0	1,982	1,982	0.02
5 YR. TOTAL	47,210,117	1	3,755	3	51,060	38,314	60,911	154,040	0.33
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	0.116	21%	0.210	0.33			
Pure Premium Indicated by National Relativity		41%	1.168	39%	0.992	2.16			
Pure Premium Present on Rate Level		42%	0.868	40%	0.712	1.58			
Pure Premium Derived by Formula		0.863			0.716			1.58	

CLASS 2021		SUGAR MANUFACTURING OR REFINING FROM SUGAR CANE OR SUGAR BEETS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,065,035	0	0	0	0	0	5,002	5,002	0.06
1/08 through 12/08	8,186,709	0	0	0	0	0	0	0	0.00
1/09 through 12/09	8,441,703	0	0	0	0	0	0	0	0.00
1/10 through 12/10	8,732,609	0	0	0	0	0	0	0	0.00
1/11 through 12/11	9,936,862	0	0	1	66,238	0	8,708	74,946	0.76
5 YR. TOTAL	43,362,918	0	0	1	66,238	0	13,710	79,948	0.19
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.153	24%	0.032	0.19			
Pure Premium Indicated by National Relativity		41%	1.141	38%	1.290	2.43			
Pure Premium Present on Rate Level		41%	0.992	38%	1.021	2.01			
Pure Premium Derived by Formula		0.902			0.886			1.79	

CLASS 2039		ICE CREAM MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	7,555,423	1	68,721	2	3,102	29,436	4,584	105,843	1.40
1/08 through 12/08	2,530,179	1	122,536	0	0	122,050	3,761	248,347	9.82
1/09 through 12/09	2,396,617	0	0	0	0	0	1,272	1,272	0.05
1/10 through 12/10	2,582,520	0	0	1	6,356	0	16,589	22,945	0.89
1/11 through 12/11	1,168,839	1	29,147	0	0	0	2,234	31,381	2.69
5 YR. TOTAL	16,233,578	3	220,404	3	9,458	151,486	28,440	409,788	2.52
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	1.416	16%	1.108	2.52			
Pure Premium Indicated by National Relativity		43%	1.092	42%	0.977	2.07			
Pure Premium Present on Rate Level		44%	1.142	42%	0.978	2.12			
Pure Premium Derived by Formula		1.156			0.998			2.15	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2041		CANDY, CHOCOLATE AND CONFECTION MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	13,514,866	2	168,579	6	265,708	90,598	492,944	1,017,829	7.53
1/08 through 12/08	14,859,132	0	0	6	87,788	0	138,572	226,360	1.52
1/09 through 12/09	16,380,259	0	0	3	69,089	0	118,433	187,522	1.15
1/10 through 12/10	17,482,624	0	0	4	70,629	0	190,852	261,481	1.50
1/11 through 12/11	19,887,568	1	327,267	4	54,459	131,006	104,603	617,335	3.10
5 YR. TOTAL	82,124,449	3	495,846	23	547,673	221,604	1,045,404	2,310,527	2.81
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	1.271	36%	1.543	2.81			
Pure Premium Indicated by National Relativity		37%	1.383	32%	1.454	2.84			
Pure Premium Present on Rate Level		38%	1.287	32%	1.542	2.83			
Pure Premium Derived by Formula		1.319			1.514			2.83	

CLASS 2065		MILK PRODUCTS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	226,206	0	0	0	0	0	0	0	0.00
1/08 through 12/08	315,659	0	0	0	0	0	0	0	0.00
1/09 through 12/09	371,159	0	0	1	1,184	0	3,547	4,731	1.28
1/10 through 12/10	493,311	0	0	1	35,571	0	50,374	85,945	17.42
1/11 through 12/11	748,153	0	0	0	0	0	12,451	12,451	1.66
5 YR. TOTAL	2,154,488	0	0	2	36,755	0	66,372	103,127	4.79
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	1.706	8%	3.081	4.79			
Pure Premium Indicated by National Relativity		46%	1.571	46%	1.440	3.01			
Pure Premium Present on Rate Level		47%	1.788	46%	1.560	3.35			
Pure Premium Derived by Formula		1.682			1.626			3.31	

CLASS 2070		CREAMERY & ROUTE SUPERVISORS, DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	37,741,063	4	459,528	15	261,694	467,984	313,553	1,502,759	3.98
1/08 through 12/08	42,343,319	10	880,917	10	54,455	769,951	177,050	1,882,373	4.45
1/09 through 12/09	43,055,138	5	335,725	12	283,735	352,113	418,838	1,390,411	3.23
1/10 through 12/10	44,062,935	9	1,075,251	16	486,490	1,276,958	334,723	3,173,422	7.20
1/11 through 12/11	45,262,850	4	975,849	17	339,018	491,641	315,025	2,121,533	4.69
5 YR. TOTAL	212,465,305	32	3,727,270	70	1,425,392	3,358,647	1,559,189	10,070,498	4.74
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		48%	2.425	63%	2.315	4.74			
Pure Premium Indicated by National Relativity		26%	2.214	18%	1.940	4.15			
Pure Premium Present on Rate Level		26%	2.537	19%	2.431	4.97			
Pure Premium Derived by Formula		2.399			2.270			4.67	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2081		BUTCHERING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	11,858,205	0	0	3	45,981	0	119,637	165,618	1.40
1/08 through 12/08	15,226,944	0	0	12	60,738	0	161,243	221,981	1.46
1/09 through 12/09	15,537,251	0	0	2	7,800	0	47,855	55,655	0.36
1/10 through 12/10	15,253,425	1	2,713	3	39,996	23,749	130,711	197,169	1.29
1/11 through 12/11	16,001,388	0	0	6	122,129	0	206,656	328,785	2.05
5 YR. TOTAL	73,877,213	1	2,713	26	276,644	23,749	666,102	969,208	1.31
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	0.378	34%	0.934	1.31			
Pure Premium Indicated by National Relativity		39%	1.141	33%	1.513	2.65			
Pure Premium Present on Rate Level		39%	1.032	33%	1.464	2.50			
Pure Premium Derived by Formula		0.931			1.300			2.23	

CLASS 2089		PACKING HOUSE-ALL OPERATIONS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	204,675,132	48	1,245,110	83	1,213,686	1,835,119	1,917,390	6,211,305	3.03
1/08 through 12/08	223,294,640	61	1,918,316	64	809,233	2,492,634	1,052,086	6,272,269	2.81
1/09 through 12/09	246,590,034	25	1,174,733	88	1,786,051	1,067,313	2,304,770	6,332,867	2.57
1/10 through 12/10	244,550,948	20	1,041,013	81	1,346,232	427,547	1,637,304	4,452,096	1.82
1/11 through 12/11	298,053,523	30	1,801,923	76	2,135,919	674,792	1,730,246	6,342,880	2.13
5 YR. TOTAL	1,217,164,277	184	7,181,095	392	7,291,121	6,497,405	8,641,796	29,611,417	2.43
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		72%	1.189	100%	1.244	2.43			
Pure Premium Indicated by National Relativity		14%	1.397	0%	1.690	3.09			
Pure Premium Present on Rate Level		14%	1.220	0%	1.383	2.60			
Pure Premium Derived by Formula		1.222			1.244			2.47	

CLASS 2095		MEAT PRODUCTS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	53,455,995	13	512,013	23	340,319	248,536	475,725	1,576,593	2.95
1/08 through 12/08	52,006,471	3	368,486	27	456,239	504,259	386,735	1,715,719	3.30
1/09 through 12/09	48,078,855	45	1,048,212	46	799,894	1,183,537	652,877	3,684,520	7.66
1/10 through 12/10	60,106,440	14	576,315	32	967,893	556,651	847,218	2,948,077	4.91
1/11 through 12/11	37,031,132	2	168,734	18	346,642	69,197	402,028	986,601	2.67
5 YR. TOTAL	250,678,893	77	2,673,760	146	2,910,987	2,562,180	2,764,583	10,911,510	4.35
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		46%	2.228	61%	2.125	4.35			
Pure Premium Indicated by National Relativity		27%	1.394	19%	1.646	3.04			
Pure Premium Present on Rate Level		27%	1.901	20%	1.909	3.81			
Pure Premium Derived by Formula		1.915			1.991			3.91	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 2105		<b>FRUIT PACKING</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,972,156	0	0	0	0	0	1,962	1,962	0.10
1/08 through 12/08	1,768,747	0	0	1	34,007	0	21,856	55,863	3.16
1/09 through 12/09	1,685,553	0	0	1	2,343	0	1,645	3,988	0.24
1/10 through 12/10	14,332,983	0	0	2	57,387	0	47,059	104,446	0.73
1/11 through 12/11	17,116,519	0	0	2	82,892	0	206,715	289,607	1.69
5 YR. TOTAL	36,875,958	0	0	6	176,629	0	279,237	455,866	1.24
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.479	24%	0.757	1.24			
Pure Premium Indicated by National Relativity		41%	1.586	38%	1.880	3.47			
Pure Premium Present on Rate Level		41%	1.174	38%	1.223	2.40			
Pure Premium Derived by Formula		1.218			1.361			2.58	

<b>CLASS</b> 2110		<b>PICKLE MFG</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	25,933,688	0	0	3	109,040	0	154,239	263,279	1.02
1/08 through 12/08	28,253,052	0	0	2	30,766	0	49,818	80,584	0.29
1/09 through 12/09	31,006,686	0	0	6	22,536	0	97,607	120,143	0.39
1/10 through 12/10	31,942,486	1	19,158	5	88,032	12,839	143,636	263,665	0.83
1/11 through 12/11	31,054,490	1	13,395	4	169,578	14,573	108,253	305,799	0.99
5 YR. TOTAL	148,190,402	2	32,553	20	419,952	27,412	553,553	1,033,470	0.70
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		27%	0.305	35%	0.392	0.70			
Pure Premium Indicated by National Relativity		32%	1.327	32%	1.828	3.16			
Pure Premium Present on Rate Level		41%	0.819	33%	0.821	1.64			
Pure Premium Derived by Formula		0.843			0.993			1.84	

<b>CLASS</b> 2111		<b>CANNERY NOC</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	9,681,209	0	0	7	292,754	0	445,739	738,493	7.63
1/08 through 12/08	16,251,118	2	240,648	14	283,733	384,181	414,543	1,323,105	8.14
1/09 through 12/09	10,662,798	0	0	10	85,801	0	208,484	294,285	2.76
1/10 through 12/10	15,673,965	2	206,021	12	535,886	226,442	368,209	1,336,558	8.53
1/11 through 12/11	16,081,820	5	180,398	10	183,914	370,176	235,595	970,083	6.03
5 YR. TOTAL	68,350,910	9	627,067	53	1,382,088	980,799	1,672,570	4,662,524	6.82
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	2.939	41%	3.882	6.82			
Pure Premium Indicated by National Relativity		37%	0.996	29%	1.138	2.13			
Pure Premium Present on Rate Level		38%	1.510	30%	2.579	4.09			
Pure Premium Derived by Formula		1.677			2.695			4.37	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2112		FRUIT EVAPORATING OR PRESERVING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	591,881	0	0	0	0	0	0	0	0.00
1/08 through 12/08	571,820	0	0	0	0	0	0	0	0.00
1/09 through 12/09	520,581	0	0	0	0	0	364	364	0.07
1/10 through 12/10	587,482	0	0	0	0	0	0	0	0.00
1/11 through 12/11	682,653	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,954,417	0	0	0	0	0	364	364	0.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		6%	0.000	9%	0.012			0.01	
Pure Premium Indicated by National Relativity		47%	1.323	45%	1.948			3.27	
Pure Premium Present on Rate Level		47%	1.083	46%	1.206			2.29	
Pure Premium Derived by Formula		1.131		1.432				2.56	

CLASS 2114		OYSTER PROCESSING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	245,825	0	0	0	0	0	0	0	0.00
1/08 through 12/08	268,228	0	0	0	0	0	0	0	0.00
1/09 through 12/09	20,775	0	0	0	0	0	0	0	0.00
1/10 through 12/10	89,209	0	0	0	0	0	0	0	0.00
1/11 through 12/11	140,007	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	764,044	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.000	4%	0.000			0.00	
Pure Premium Indicated by National Relativity		24%	1.061	26%	1.423			2.48	
Pure Premium Present on Rate Level		73%	0.611	70%	0.606			1.22	
Pure Premium Derived by Formula		0.701		0.794				1.50	

CLASS 2121		BREWERY & DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	39,030,610	1	18,212	6	72,382	11,433	89,670	191,697	0.49
1/08 through 12/08	52,871,518	1	16,083	12	322,855	27,593	386,111	752,642	1.42
1/09 through 12/09	50,998,064	0	0	10	139,029	0	179,388	318,417	0.63
1/10 through 12/10	56,599,007	0	0	6	170,851	0	292,291	463,142	0.82
1/11 through 12/11	47,392,670	0	0	2	297,491	0	190,388	487,879	1.03
5 YR. TOTAL	246,891,869	2	34,295	36	1,002,608	39,026	1,137,848	2,213,777	0.90
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		32%	0.420	40%	0.477			0.90	
Pure Premium Indicated by National Relativity		34%	0.601	30%	0.641			1.24	
Pure Premium Present on Rate Level		34%	0.802	30%	0.651			1.45	
Pure Premium Derived by Formula		0.611		0.578				1.19	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2130		SPIRITUOUS LIQUOR DISTILLERY							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,003,674	0	0	0	0	0	0	0	0.00
1/08 through 12/08	905,176	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,685,829	0	0	0	0	0	6,331	6,331	0.38
1/10 through 12/10	1,916,023	0	0	0	0	0	559	559	0.03
1/11 through 12/11	1,014,431	0	0	0	0	0	54,949	54,949	5.42
5 YR. TOTAL	6,525,133	0	0	0	0	0	61,839	61,839	0.95
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		8%	0.000	11%	0.948			0.95	
Pure Premium Indicated by National Relativity		46%	1.037	44%	1.084			2.12	
Pure Premium Present on Rate Level		46%	0.926	45%	0.979			1.91	
Pure Premium Derived by Formula		0.903			1.022		1.93		

CLASS 2131		SPIRITUOUS LIQUOR BOTTLING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	75,892	0	0	0	0	0	0	0	0.00
1/08 through 12/08	65,066	0	0	0	0	0	0	0	0.00
1/09 through 12/09	144,257	0	0	0	0	0	0	0	0.00
1/10 through 12/10	101,625	0	0	0	0	0	0	0	0.00
1/11 through 12/11	486,498	0	0	0	0	0	1,498	1,498	0.31
5 YR. TOTAL	873,338	0	0	0	0	0	1,498	1,498	0.17
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		4%	0.000	5%	0.172			0.17	
Pure Premium Indicated by National Relativity		46%	0.995	47%	1.181			2.18	
Pure Premium Present on Rate Level		50%	1.100	48%	1.030			2.13	
Pure Premium Derived by Formula		1.008			1.058		2.07		

CLASS 2143		FRUIT JUICE MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,423,237	0	0	1	2,319	0	11,446	13,765	0.40
1/08 through 12/08	3,142,452	0	0	3	11,365	0	43,524	54,889	1.75
1/09 through 12/09	4,359,772	0	0	1	40	0	14,990	15,030	0.35
1/10 through 12/10	5,145,225	1	25,455	1	24,161	84,310	27,710	161,636	3.14
1/11 through 12/11	5,490,712	0	0	0	0	0	3,324	3,324	0.06
5 YR. TOTAL	21,561,398	1	25,455	6	37,885	84,310	100,994	248,644	1.15
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		13%	0.294	20%	0.859			1.15	
Pure Premium Indicated by National Relativity		43%	0.809	40%	1.475			2.28	
Pure Premium Present on Rate Level		44%	0.911	40%	1.378			2.29	
Pure Premium Derived by Formula		0.787			1.313		2.10		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2157		BOTTLING-ALL OPERATIONS & ROUTE SUPERVISORS, DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	193,413,680	28	4,143,388	109	2,459,593	3,834,677	2,003,257	12,440,915	6.43
1/08 through 12/08	205,109,617	31	2,766,360	118	1,627,186	1,845,872	1,946,484	8,185,902	3.99
1/09 through 12/09	201,874,863	26	1,987,819	96	1,503,866	1,580,643	1,912,371	6,984,699	3.46
1/10 through 12/10	187,706,452	22	2,012,451	114	1,142,699	1,621,560	1,438,919	6,215,629	3.31
1/11 through 12/11	198,535,805	23	1,735,784	81	982,311	1,305,845	983,580	5,007,520	2.52
5 YR. TOTAL	986,640,417	130	12,645,802	518	7,715,655	10,188,597	8,284,611	38,834,665	3.94
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		87%	2.064	100%	1.872	3.94			
Pure Premium Indicated by National Relativity		6%	2.327	0%	1.852	4.18			
Pure Premium Present on Rate Level		7%	2.352	0%	1.997	4.35			
Pure Premium Derived by Formula		2.100			1.872			3.97	

CLASS 2172		TOBACCO PRODUCTS MFG. NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	255,525,647	14	1,924,070	54	1,593,754	1,369,059	1,052,063	5,938,946	2.33
1/08 through 12/08	231,308,306	8	1,590,655	61	1,672,756	779,367	1,187,526	5,230,304	2.26
1/09 through 12/09	145,902,675	1	44,799	24	483,858	25,752	375,757	930,166	0.64
1/10 through 12/10	153,315,066	1	592,420	19	698,190	284,051	508,849	2,083,510	1.36
1/11 through 12/11	149,045,346	3	232,991	20	577,401	150,340	359,105	1,319,837	0.89
5 YR. TOTAL	935,097,040	27	4,384,935	178	5,025,959	2,608,569	3,483,300	15,502,763	1.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		63%	1.006	68%	0.651	1.66			
Pure Premium Indicated by National Relativity		18%	1.434	16%	0.824	2.26			
Pure Premium Present on Rate Level		19%	1.109	16%	0.667	1.78			
Pure Premium Derived by Formula		1.103			0.681			1.78	

CLASS 2174		TOBACCO REHANDLING OR WAREHOUSING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	46,870,444	4	162,494	12	131,186	222,366	223,477	739,523	1.58
1/08 through 12/08	50,776,115	4	223,197	16	336,260	337,373	413,718	1,310,548	2.58
1/09 through 12/09	94,657,046	7	589,235	14	656,092	629,550	1,061,147	2,936,024	3.10
1/10 through 12/10	46,585,387	2	241,144	19	460,934	324,967	506,726	1,533,771	3.29
1/11 through 12/11	43,477,082	1	53,580	13	294,680	10,038	414,362	772,660	1.78
5 YR. TOTAL	282,366,074	18	1,269,650	74	1,879,152	1,524,294	2,619,430	7,292,526	2.58
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		45%	1.115	58%	1.468	2.58			
Pure Premium Indicated by National Relativity		22%	1.778	21%	1.775	3.55			
Pure Premium Present on Rate Level		33%	1.589	21%	1.464	3.05			
Pure Premium Derived by Formula		1.417			1.532			2.95	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2211		COTTON BATTING, WADDING OR WASTE MFG							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	7,613,592	1	73,756	5	357,264	164,302	526,268	1,121,590	14.73
1/08 through 12/08	6,143,118	0	0	3	5,064	0	41,472	46,536	0.76
1/09 through 12/09	6,031,190	2	132,057	4	45,454	102,189	143,222	422,922	7.01
1/10 through 12/10	6,418,997	0	0	5	248,841	0	602,925	851,766	13.27
1/11 through 12/11	6,907,472	0	0	2	42,115	0	79,616	121,731	1.76
5 YR. TOTAL	33,114,369	3	205,813	19	698,738	266,491	1,393,503	2,564,545	7.75
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	2.732	39%	5.013	7.75			
Pure Premium Indicated by National Relativity		26%	6.312	28%	3.894	10.21			
Pure Premium Present on Rate Level		51%	2.601	33%	4.546	7.15			
Pure Premium Derived by Formula		3.596			4.546			8.14	

CLASS 2220		YARN OR THREAD MFG-COTTON							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	188,491,660	17	1,033,769	47	942,596	1,025,270	1,126,691	4,128,326	2.19
1/08 through 12/08	131,950,264	7	826,403	42	819,530	714,629	1,179,561	3,540,123	2.68
1/09 through 12/09	99,146,333	7	725,563	28	1,010,522	823,011	1,020,113	3,579,209	3.61
1/10 through 12/10	103,212,790	9	378,465	28	744,126	267,708	921,946	2,312,245	2.24
1/11 through 12/11	102,595,965	5	800,808	28	647,596	924,163	675,797	3,048,364	2.97
5 YR. TOTAL	625,397,012	45	3,765,008	173	4,164,370	3,754,781	4,924,108	16,608,267	2.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		54%	1.268	74%	1.388	2.66			
Pure Premium Indicated by National Relativity		23%	0.934	13%	0.876	1.81			
Pure Premium Present on Rate Level		23%	1.116	13%	1.222	2.34			
Pure Premium Derived by Formula		1.156			1.300			2.46	

CLASS 2286		WOOL SPINNING AND WEAVING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	16,227,949	1	20,845	1	171	64,250	12,077	97,343	0.60
1/08 through 12/08	16,324,511	0	0	1	7,369	0	12,447	19,816	0.12
1/09 through 12/09	20,130,098	0	0	1	16,965	0	23,607	40,572	0.20
1/10 through 12/10	20,149,225	0	0	4	122,244	0	78,998	201,242	1.00
1/11 through 12/11	16,866,958	0	0	1	6,699	0	8,869	15,568	0.09
5 YR. TOTAL	89,698,741	1	20,845	8	153,448	64,250	135,998	374,541	0.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	0.194	28%	0.223	0.42			
Pure Premium Indicated by National Relativity		20%	0.849	21%	0.966	1.82			
Pure Premium Present on Rate Level		60%	0.629	51%	0.776	1.41			
Pure Premium Derived by Formula		0.586			0.661			1.25	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2288		FELTING MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	25,287,874	1	2,687	5	46,796	8,624	97,164	155,271	0.61
1/08 through 12/08	24,422,280	0	0	3	26,106	0	64,625	90,731	0.37
1/09 through 12/09	21,874,652	2	218,377	9	563,763	188,065	323,482	1,293,687	5.92
1/10 through 12/10	29,937,893	2	103,481	24	592,240	197,334	837,340	1,730,395	5.78
1/11 through 12/11	33,886,861	7	754,122	17	414,695	444,344	718,110	2,331,271	6.88
5 YR. TOTAL	135,409,560	12	1,078,667	58	1,643,600	838,367	2,040,721	5,601,355	4.14
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		34%	2.010	43%	2.126	4.14			
Pure Premium Indicated by National Relativity		33%	2.029	28%	1.789	3.82			
Pure Premium Present on Rate Level		33%	1.706	29%	1.426	3.13			
Pure Premium Derived by Formula		1.916			1.829			3.75	

CLASS 2300		PLUSH MFG							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	3,166,635	0	0	1	82,592	0	13,933	96,525	3.05
1/08 through 12/08	2,938,263	1	191,830	3	16,276	93,137	47,651	348,894	11.88
1/09 through 12/09	2,936,266	0	0	1	1,266	0	8,135	9,401	0.32
1/10 through 12/10	3,298,699	0	0	0	0	0	347	347	0.01
1/11 through 12/11	3,785,090	0	0	0	0	0	1,000	1,000	0.03
5 YR. TOTAL	16,124,953	1	191,830	5	100,134	93,137	71,066	456,167	2.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	1.811	16%	1.018	2.83			
Pure Premium Indicated by National Relativity		14%	0.657	15%	0.903	1.56			
Pure Premium Present on Rate Level		73%	1.212	69%	1.066	2.28			
Pure Premium Derived by Formula		1.212			1.034			2.25	

CLASS 2302		SILK THREAD OR YARN MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	218,915,508	7	676,676	60	1,659,777	520,163	1,916,131	4,772,747	2.18
1/08 through 12/08	200,488,557	7	363,437	48	593,819	196,733	612,598	1,766,587	0.88
1/09 through 12/09	189,691,507	12	569,594	48	1,573,169	769,938	987,040	3,899,741	2.06
1/10 through 12/10	210,715,827	9	250,491	51	931,803	189,124	1,185,936	2,557,354	1.21
1/11 through 12/11	197,807,894	5	117,827	51	1,106,699	91,488	2,056,734	3,372,748	1.71
5 YR. TOTAL	1,017,619,293	40	1,978,025	258	5,865,267	1,767,446	6,758,439	16,369,177	1.61
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		57%	0.771	75%	0.838	1.61			
Pure Premium Indicated by National Relativity		21%	0.762	12%	0.947	1.71			
Pure Premium Present on Rate Level		22%	0.803	13%	0.788	1.59			
Pure Premium Derived by Formula		0.776			0.845			1.62	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2305		TEXTILE FIBER MFG-SYNTHETIC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	240,471,191	16	845,435	68	1,683,674	852,257	1,777,491	5,158,857	2.15
1/08 through 12/08	219,605,209	13	1,163,321	42	2,224,821	1,231,419	1,884,558	6,504,119	2.96
1/09 through 12/09	189,516,485	10	1,450,694	53	1,810,548	1,252,636	1,578,394	6,092,272	3.22
1/10 through 12/10	232,913,585	9	1,097,019	38	1,180,223	615,757	1,154,036	4,047,035	1.74
1/11 through 12/11	206,757,346	8	1,433,622	49	1,401,718	971,818	1,881,831	5,688,989	2.75
5 YR. TOTAL	1,089,263,816	56	5,990,091	250	8,300,984	4,923,887	8,276,310	27,491,272	2.52
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		71%	1.312	90%	1.212	2.52			
Pure Premium Indicated by National Relativity		14%	0.776	5%	0.793	1.57			
Pure Premium Present on Rate Level		15%	1.284	5%	1.141	2.43			
Pure Premium Derived by Formula		1.233			1.188			2.42	

CLASS 2361		HOSIERY MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	207,535,004	8	244,242	73	803,465	170,532	1,246,102	2,464,341	1.19
1/08 through 12/08	193,248,603	7	399,046	61	1,573,502	392,872	1,561,735	3,927,155	2.03
1/09 through 12/09	172,867,137	5	655,254	43	736,890	494,127	891,901	2,778,172	1.61
1/10 through 12/10	181,455,791	14	1,488,833	45	1,623,864	1,211,680	1,616,352	5,940,729	3.27
1/11 through 12/11	172,622,713	9	261,335	50	979,562	442,249	1,514,400	3,197,546	1.85
5 YR. TOTAL	927,729,248	43	3,048,710	272	5,717,283	2,711,460	6,830,490	18,307,943	1.97
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		59%	0.945	79%	1.029	1.97			
Pure Premium Indicated by National Relativity		20%	0.676	10%	0.919	1.60			
Pure Premium Present on Rate Level		21%	0.949	11%	0.966	1.92			
Pure Premium Derived by Formula		0.892			1.011			1.90	

CLASS 2362		KNIT GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	193,860,036	14	809,725	48	793,757	657,784	944,648	3,205,914	1.65
1/08 through 12/08	161,164,225	5	372,752	36	789,918	242,768	640,469	2,045,907	1.27
1/09 through 12/09	73,250,104	4	220,164	19	249,573	136,393	359,540	965,670	1.32
1/10 through 12/10	78,963,385	3	68,541	20	427,757	42,297	488,853	1,027,448	1.30
1/11 through 12/11	78,992,329	5	334,655	20	250,771	494,272	358,883	1,438,581	1.82
5 YR. TOTAL	586,230,079	31	1,805,837	143	2,511,776	1,573,514	2,792,393	8,683,520	1.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		42%	0.737	57%	0.745	1.48			
Pure Premium Indicated by National Relativity		29%	0.622	21%	0.626	1.25			
Pure Premium Present on Rate Level		29%	0.666	22%	0.689	1.36			
Pure Premium Derived by Formula		0.683			0.708			1.39	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2380		WEBBING MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	34,267,319	2	174,681	7	64,348	177,025	153,184	569,238	1.66
1/08 through 12/08	32,306,269	4	71,536	6	38,621	86,662	93,588	290,407	0.90
1/09 through 12/09	33,212,941	1	91,216	3	58,019	67,021	151,760	368,016	1.11
1/10 through 12/10	37,424,523	3	245,031	2	1,367	313,029	30,844	590,271	1.58
1/11 through 12/11	40,102,095	3	229,901	3	142,583	312,606	279,232	964,322	2.41
5 YR. TOTAL	177,313,147	13	812,365	21	304,938	956,343	708,608	2,782,254	1.57
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		30%	0.630	42%	0.939	1.57			
Pure Premium Indicated by National Relativity		35%	1.241	29%	1.410	2.65			
Pure Premium Present on Rate Level		35%	0.910	29%	1.045	1.96			
Pure Premium Derived by Formula		0.942			1.106			2.05	

CLASS 2386		LACE MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,006,005	0	0	0	0	0	2,038	2,038	0.07
1/08 through 12/08	3,161,063	0	0	0	0	0	1,115	1,115	0.04
1/09 through 12/09	2,065,758	0	0	0	0	0	1,407	1,407	0.07
1/10 through 12/10	2,014,609	0	0	0	0	0	1,795	1,795	0.09
1/11 through 12/11	1,788,347	0	0	0	0	0	1,194	1,194	0.07
5 YR. TOTAL	12,035,782	0	0	0	0	0	7,549	7,549	0.06
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	0.000	11%	0.063	0.06			
Pure Premium Indicated by National Relativity		12%	0.654	13%	0.712	1.37			
Pure Premium Present on Rate Level		79%	0.628	76%	0.530	1.16			
Pure Premium Derived by Formula		0.575			0.502			1.08	

CLASS 2388		EMBROIDERY MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	10,627,396	1	518	2	188,973	593	81,537	271,621	2.56
1/08 through 12/08	9,508,683	0	0	7	122,389	0	245,830	368,219	3.87
1/09 through 12/09	9,774,618	0	0	2	6,565	0	40,689	47,254	0.48
1/10 through 12/10	12,232,061	0	0	3	110,914	0	39,884	150,798	1.23
1/11 through 12/11	11,921,838	2	24,659	3	40,369	32,486	93,562	191,076	1.60
5 YR. TOTAL	54,064,596	3	25,177	17	469,210	33,079	501,502	1,028,968	1.90
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	0.914	25%	0.989	1.90			
Pure Premium Indicated by National Relativity		37%	0.801	37%	0.752	1.55			
Pure Premium Present on Rate Level		44%	0.929	38%	0.986	1.92			
Pure Premium Derived by Formula		0.879			0.900			1.78	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2402		CARPET OR RUG MFG NOC							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	37,488,142	1	87,722	10	393,854	96,507	466,998	1,045,081	2.79
1/08 through 12/08	61,931,688	1	15,298	8	259,531	0	365,757	640,586	1.04
1/09 through 12/09	41,937,823	1	15,999	11	144,320	0	203,824	364,143	0.87
1/10 through 12/10	37,575,883	4	158,848	8	128,782	341,281	289,592	918,503	2.44
1/11 through 12/11	41,869,852	5	251,890	15	1,223,649	364,505	914,134	2,754,178	6.58
5 YR. TOTAL	220,803,388	12	529,757	52	2,150,136	802,293	2,240,305	5,722,491	2.59
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		31%	1.214	44%	1.378	2.59			
Pure Premium Indicated by National Relativity		34%	0.914	28%	1.094	2.01			
Pure Premium Present on Rate Level		35%	0.808	28%	0.951	1.76			
Pure Premium Derived by Formula		0.970			1.179			2.15	

CLASS 2413		TEXTILE-BLEACHING, DYEING, MERCERIZING, FINISHING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	77,959,464	6	468,484	28	460,120	259,968	583,281	1,771,853	2.27
1/08 through 12/08	67,734,743	5	107,361	18	482,602	125,638	607,016	1,322,617	1.95
1/09 through 12/09	60,160,340	1	163,622	25	366,414	86,949	685,179	1,302,164	2.16
1/10 through 12/10	60,213,445	3	554,213	20	299,277	365,640	398,852	1,617,982	2.69
1/11 through 12/11	56,168,906	3	719,546	10	374,879	602,844	422,895	2,120,164	3.77
5 YR. TOTAL	322,236,898	18	2,013,226	101	1,983,292	1,441,039	2,697,223	8,134,780	2.52
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		39%	1.240	55%	1.284	2.52			
Pure Premium Indicated by National Relativity		30%	0.721	22%	0.891	1.61			
Pure Premium Present on Rate Level		31%	0.961	23%	1.131	2.09			
Pure Premium Derived by Formula		0.998			1.162			2.16	

CLASS 2416		YARN DYEING OR FINISHING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	39,318,253	1	270,552	9	73,490	176,812	118,921	639,775	1.63
1/08 through 12/08	32,375,233	5	529,315	16	178,195	1,036,428	193,507	1,937,445	5.98
1/09 through 12/09	24,462,946	1	11,527	4	77,658	47,692	96,785	233,662	0.96
1/10 through 12/10	29,039,156	1	37,284	10	258,205	67,706	296,097	659,292	2.27
1/11 through 12/11	26,432,911	0	0	5	123,776	0	82,705	206,481	0.78
5 YR. TOTAL	151,628,499	8	848,678	44	711,324	1,328,638	788,015	3,676,655	2.43
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		26%	1.029	39%	1.396	2.43			
Pure Premium Indicated by National Relativity		19%	0.866	20%	1.502	2.37			
Pure Premium Present on Rate Level		55%	0.736	41%	1.052	1.79			
Pure Premium Derived by Formula		0.837			1.276			2.11	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> <b>2417</b>		<b>CLOTH PRINTING</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	10,278,345	0	0	1	2,302	0	17,252	19,554	0.19
1/08 through 12/08	3,167,759	0	0	1	1,225	0	8,681	9,906	0.31
1/09 through 12/09	3,690,939	0	0	0	0	0	1,618	1,618	0.04
1/10 through 12/10	3,788,300	0	0	0	0	0	7,293	7,293	0.19
1/11 through 12/11	4,239,099	0	0	2	17,369	0	25,589	42,958	1.01
<b>5 YR. TOTAL</b>	<b>25,164,442</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>20,896</b>	<b>0</b>	<b>60,433</b>	<b>81,329</b>	<b>0.32</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	0.083	17%	0.240	0.32			
Pure Premium Indicated by National Relativity		26%	0.598	28%	0.849	1.45			
Pure Premium Present on Rate Level		61%	0.818	55%	0.803	1.62			
Pure Premium Derived by Formula		0.665			0.720			1.39	

<b>CLASS</b> <b>2501</b>		<b>CLOTH, CANVAS AND RELATED PRODUCTS MFG. NOC</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	227,235,721	10	964,979	71	699,653	856,896	1,125,399	3,646,927	1.61
1/08 through 12/08	203,025,707	18	1,463,228	53	769,064	1,201,428	861,721	4,295,441	2.12
1/09 through 12/09	202,532,287	14	525,693	62	1,221,263	572,720	1,108,406	3,428,082	1.69
1/10 through 12/10	217,513,602	10	707,596	85	1,861,126	583,258	2,387,617	5,539,597	2.55
1/11 through 12/11	226,605,775	19	1,232,938	62	973,744	1,096,409	1,366,399	4,669,490	2.06
<b>5 YR. TOTAL</b>	<b>1,076,913,092</b>	<b>71</b>	<b>4,894,434</b>	<b>333</b>	<b>5,524,850</b>	<b>4,310,711</b>	<b>6,849,542</b>	<b>21,579,537</b>	<b>2.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		62%	0.968	84%	1.036	2.00			
Pure Premium Indicated by National Relativity		19%	0.974	8%	1.146	2.12			
Pure Premium Present on Rate Level		19%	0.943	8%	0.992	1.94			
Pure Premium Derived by Formula		0.964			1.041			2.01	

<b>CLASS</b> <b>2503</b>		<b>DRESSMAKING OR TAILORING-CUSTOM EXCLUSIVELY</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,841,234	0	0	3	50,133	0	84,713	134,846	2.31
1/08 through 12/08	4,383,413	0	0	0	0	0	384	384	0.01
1/09 through 12/09	3,977,863	0	0	0	0	0	786	786	0.02
1/10 through 12/10	4,044,126	0	0	0	0	0	148	148	0.00
1/11 through 12/11	4,666,843	0	0	0	0	0	605	605	0.01
<b>5 YR. TOTAL</b>	<b>22,913,479</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>50,133</b>	<b>0</b>	<b>86,636</b>	<b>136,769</b>	<b>0.60</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.219	16%	0.378	0.60			
Pure Premium Indicated by National Relativity		30%	0.516	32%	0.635	1.15			
Pure Premium Present on Rate Level		59%	0.636	52%	0.690	1.33			
Pure Premium Derived by Formula		0.554			0.622			1.18	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2534		FEATHER OR FLOWER MFG-ARTIFICIAL							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	153,403	0	0	0	0	0	0	0	0.00
1/08 through 12/08	69,369	0	0	0	0	0	0	0	0.00
1/09 through 12/09	678,753	0	0	0	0	0	0	0	0.00
1/10 through 12/10	628,910	0	0	0	0	0	0	0	0.00
1/11 through 12/11	168,491	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,698,926	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.000	7%	0.000	0.00			
Pure Premium Indicated by National Relativity		16%	0.657	17%	1.140	1.80			
Pure Premium Present on Rate Level		80%	0.736	76%	1.042	1.78			
Pure Premium Derived by Formula		0.694			0.986			1.68	

CLASS 2570		MATTRESS OR BOX SPRING MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	30,431,270	6	828,226	17	913,004	329,526	506,104	2,576,860	8.47
1/08 through 12/08	28,124,840	8	798,683	16	334,272	457,047	477,788	2,067,790	7.35
1/09 through 12/09	25,777,120	2	27,752	14	410,393	43,587	320,440	802,172	3.11
1/10 through 12/10	30,153,933	2	150,860	14	315,455	299,932	194,046	960,293	3.18
1/11 through 12/11	30,274,452	4	149,229	15	380,716	119,810	250,021	899,776	2.97
5 YR. TOTAL	144,761,615	22	1,954,750	76	2,353,840	1,249,902	1,748,399	7,306,891	5.05
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	2.976	48%	2.071	5.05			
Pure Premium Indicated by National Relativity		30%	1.784	26%	1.885	3.67			
Pure Premium Present on Rate Level		30%	2.360	26%	1.762	4.12			
Pure Premium Derived by Formula		2.434			1.942			4.38	

CLASS 2585		LAUNDRY NOC & ROUTE SUPERVISORS, DRIVERS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	110,342,152	13	1,329,022	32	521,723	1,601,012	975,832	4,427,589	4.01
1/08 through 12/08	112,784,115	19	1,374,385	40	879,209	570,622	1,126,779	3,950,995	3.50
1/09 through 12/09	110,154,721	13	630,622	45	1,015,590	522,668	1,223,563	3,392,443	3.08
1/10 through 12/10	116,697,227	11	617,580	42	1,223,182	744,194	1,183,870	3,768,826	3.23
1/11 through 12/11	114,774,137	21	1,159,482	26	348,457	1,109,210	509,323	3,126,472	2.72
5 YR. TOTAL	564,752,352	77	5,111,091	185	3,988,161	4,547,706	5,019,367	18,666,325	3.31
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		61%	1.611	85%	1.694	3.31			
Pure Premium Indicated by National Relativity		19%	1.622	7%	1.764	3.39			
Pure Premium Present on Rate Level		20%	1.711	8%	1.894	3.61			
Pure Premium Derived by Formula		1.633			1.715			3.35	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2586		CLEANING OR DYEING & ROUTE SUPERVISORS, DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	4,472,778	1	126,522	0	0	166,284	1,814	294,620	6.59
1/08 through 12/08	4,257,076	0	0	1	9,708	0	2,535	12,243	0.29
1/09 through 12/09	5,191,205	0	0	1	9,040	0	3,929	12,969	0.25
1/10 through 12/10	6,180,184	1	128,428	4	117,719	41,177	46,490	333,814	5.40
1/11 through 12/11	5,763,320	1	27,556	3	54,878	11,581	71,071	165,086	2.86
5 YR. TOTAL	25,864,563	3	282,506	9	191,345	219,042	125,839	818,732	3.17
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	1.832	21%	1.333				3.17
Pure Premium Indicated by National Relativity		42%	0.997	39%	1.208				2.21
Pure Premium Present on Rate Level		42%	1.305	40%	1.248				2.55
Pure Premium Derived by Formula		1.260			1.250			2.51	

CLASS 2587		TOWEL OR TOILET SUPPLY CO. & ROUTE SUPERVISORS, DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	3,495,031	1	170,348	0	0	94,513	7,228	272,089	7.79
1/08 through 12/08	4,319,035	0	0	1	13,734	0	49,113	62,847	1.46
1/09 through 12/09	3,702,489	1	89,653	0	0	50,763	9,393	149,809	4.05
1/10 through 12/10	3,862,636	0	0	0	0	0	5,503	5,503	0.14
1/11 through 12/11	1,082,240	0	0	1	47,856	0	42,067	89,923	8.31
5 YR. TOTAL	16,461,431	2	260,001	2	61,590	145,276	113,304	580,171	3.53
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	1.954	20%	1.571				3.53
Pure Premium Indicated by National Relativity		41%	1.473	40%	1.430				2.90
Pure Premium Present on Rate Level		43%	1.975	40%	1.739				3.71
Pure Premium Derived by Formula		1.766			1.582			3.35	

CLASS 2589		LAUNDRY AND DRY CLEANING STORE-RETAIL-& ROUTE SUPERVISORS, DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	61,269,677	2	83,737	19	331,391	45,629	506,735	967,492	1.58
1/08 through 12/08	58,851,575	2	383,909	10	60,716	84,260	240,696	769,581	1.31
1/09 through 12/09	54,707,027	5	323,529	15	168,253	411,109	229,688	1,132,579	2.07
1/10 through 12/10	51,522,010	6	333,682	12	218,156	387,124	382,293	1,321,255	2.56
1/11 through 12/11	50,550,996	3	96,122	11	207,274	144,317	321,829	769,542	1.52
5 YR. TOTAL	276,901,285	18	1,220,979	67	985,790	1,072,439	1,681,241	4,960,449	1.79
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		33%	0.797	46%	0.994				1.79
Pure Premium Indicated by National Relativity		33%	0.771	27%	0.948				1.72
Pure Premium Present on Rate Level		34%	0.774	27%	0.857				1.63
Pure Premium Derived by Formula		0.781			0.945			1.73	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2600		FUR PROCESSING-PREPARING SKINS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	909,057	0	0	0	0	0	1,484	1,484	0.16
1/08 through 12/08	891,007	0	0	0	0	0	106	106	0.01
1/09 through 12/09	928,287	0	0	1	5,656	0	10,197	15,853	1.71
1/10 through 12/10	845,170	1	15,247	0	0	12,956	4,157	32,360	3.83
1/11 through 12/11	791,698	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	4,365,219	1	15,247	1	5,656	12,956	15,944	49,803	1.14
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.479	9%	0.662	1.14			
Pure Premium Indicated by National Relativity		14%	1.588	15%	1.340	2.93			
Pure Premium Present on Rate Level		79%	1.159	76%	0.794	1.95			
Pure Premium Derived by Formula		1.171			0.864			2.04	

CLASS 2623		LEATHER MFG.--INCLUDING TANNING, LEATHER EMBOSING, AND WOOL PULLING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	30,000	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	15,717	0	0	0	0	0	0	0	0.00
1/10 through 12/10	36,203	0	0	0	0	0	0	0	0.00
1/11 through 12/11	15,836	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	97,756	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	3%	0.000	0.00			
Pure Premium Indicated by National Relativity		30%	3.023	32%	3.235	6.26			
Pure Premium Present on Rate Level		68%	2.235	65%	2.253	4.49			
Pure Premium Derived by Formula		2.427			2.500			4.93	

CLASS 2651		SHOE STOCK MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	10,410,325	0	0	2	63,605	0	60,667	124,272	1.19
1/08 through 12/08	8,893,147	0	0	5	154,953	0	105,698	260,651	2.93
1/09 through 12/09	10,095,908	2	246,620	1	4,593	29,126	27,810	308,149	3.05
1/10 through 12/10	11,148,374	1	161,370	3	27,870	14,468	36,618	240,326	2.16
1/11 through 12/11	15,014,435	0	0	3	18,815	0	53,295	72,110	0.48
5 YR. TOTAL	55,562,189	3	407,990	14	269,836	43,594	284,088	1,005,508	1.81
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	1.220	27%	0.590	1.81			
Pure Premium Indicated by National Relativity		27%	0.262	29%	0.812	1.07			
Pure Premium Present on Rate Level		54%	1.002	44%	1.060	2.06			
Pure Premium Derived by Formula		0.844			0.861			1.71	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2660		BOOT OR SHOE MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,617,512	1	3,872	5	9,467	16,626	31,551	61,516	1.10
1/08 through 12/08	4,383,151	0	0	8	73,400	0	104,839	178,239	4.07
1/09 through 12/09	3,082,474	0	0	0	0	0	6,347	6,347	0.21
1/10 through 12/10	4,248,560	0	0	6	151,525	0	73,218	224,743	5.29
1/11 through 12/11	2,895,634	0	0	4	9,293	0	21,129	30,422	1.05
5 YR. TOTAL	20,227,331	1	3,872	23	243,685	16,626	237,084	501,267	2.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	1.224	18%	1.254	2.48			
Pure Premium Indicated by National Relativity		43%	0.940	41%	1.211	2.15			
Pure Premium Present on Rate Level		44%	1.004	41%	1.176	2.18			
Pure Premium Derived by Formula		1.005			1.204			2.21	

CLASS 2670		GLOVE MFG-LEATHER OR TEXTILE							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,299,466	0	0	1	6,396	0	18,012	24,408	0.74
1/08 through 12/08	2,609,137	1	43	0	0	1,702	309	2,054	0.08
1/09 through 12/09	2,016,320	0	0	1	401	0	2,019	2,420	0.12
1/10 through 12/10	2,020,382	0	0	0	0	0	3,316	3,316	0.16
1/11 through 12/11	2,712,636	0	0	0	0	0	9,416	9,416	0.35
5 YR. TOTAL	12,657,941	1	43	2	6,797	1,702	33,072	41,614	0.33
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	0.054	12%	0.275	0.33			
Pure Premium Indicated by National Relativity		25%	0.608	27%	0.932	1.54			
Pure Premium Present on Rate Level		66%	0.619	61%	0.628	1.25			
Pure Premium Derived by Formula		0.565			0.668			1.23	

CLASS 2683		LUGGAGE MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	257,946	0	0	0	0	0	0	0	0.00
1/08 through 12/08	555,995	0	0	1	1,703	0	3,211	4,914	0.88
1/09 through 12/09	724,035	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,040,742	0	0	0	0	0	0	0	0.00
1/11 through 12/11	949,350	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	3,528,068	0	0	1	1,703	0	3,211	4,914	0.14
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.048	7%	0.091	0.14			
Pure Premium Indicated by National Relativity		22%	0.428	24%	0.593	1.02			
Pure Premium Present on Rate Level		73%	0.533	69%	0.695	1.23			
Pure Premium Derived by Formula		0.486			0.628			1.11	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2688		LEATHER GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	12,811,987	1	60,438	8	260,868	67,612	166,122	555,040	4.33
1/08 through 12/08	11,323,964	0	0	5	168,166	0	90,316	258,482	2.28
1/09 through 12/09	9,871,387	0	0	11	262,599	0	226,269	488,868	4.95
1/10 through 12/10	10,224,024	1	13,935	2	131,437	22,445	110,736	278,553	2.73
1/11 through 12/11	12,060,206	0	0	6	231,274	0	245,907	477,181	3.96
5 YR. TOTAL	56,291,568	2	74,373	32	1,054,344	90,057	839,350	2,058,124	3.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	2.005	30%	1.651	3.66			
Pure Premium Indicated by National Relativity		35%	0.907	35%	0.994	1.90			
Pure Premium Present on Rate Level		43%	1.381	35%	1.467	2.85			
Pure Premium Derived by Formula		1.352			1.357			2.71	

CLASS 2702		LOGGING OR TREE REMOVAL - NONMECHANIZED OPERATIONS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	32,362	0	0	0	0	0	0	0	0.00
1/08 through 12/08	3,242,231	1	32,272	0	0	113,362	10,845	156,479	4.83
1/09 through 12/09	5,203,750	1	215,449	8	218,069	192,776	311,943	938,237	18.03
1/10 through 12/10	6,239,476	0	0	11	601,021	0	564,359	1,165,380	18.68
1/11 through 12/11	6,114,516	1	89,686	5	150,246	56,456	118,971	415,359	6.79
5 YR. TOTAL	20,832,335	3	337,407	24	969,336	362,594	1,006,118	2,675,455	12.84
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		32%	6.273	42%	6.570	12.84			
Pure Premium Indicated by National Relativity		34%	12.967	29%	11.195	24.16			
Pure Premium Present on Rate Level		34%	9.155	29%	8.760	17.92			
Pure Premium Derived by Formula		9.529			8.546			18.08	

CLASS 2705		LOGGING OR TREE REMOVAL-PULPWOOD ONLY-ALL OPERATIONS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	83,552	0	0	0	0	0	0	0	0.00
1/08 through 12/08	27,078	1	125,396	0	0	158,404	0	283,800	1048.08
1/09 through 12/09	20,294	0	0	0	0	0	0	0	0.00
1/10 through 12/10	67,801	0	0	0	0	0	0	0	0.00
1/11 through 12/11	19,141	0	0	1	45,429	0	44,276	89,705	468.65
5 YR. TOTAL	217,866	1	125,396	1	45,429	158,404	44,276	373,505	171.44
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	78.408	9%	93.030	171.44			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		92%	27.034	91%	18.840	45.87			
Pure Premium Derived by Formula		31.144			25.517			56.66	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 2706		<b>LOGGING OR LUMBERING ALL OPERATIONS &amp; DRIVERS</b>							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	59,718,514	10	1,562,621	33	1,462,969	2,324,108	1,239,274	6,588,972	11.03
1/08 through 12/08	36,911,439	7	1,260,687	11	945,994	632,363	1,466,754	4,305,798	11.67
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>96,629,953</b>	<b>17</b>	<b>2,823,308</b>	<b>44</b>	<b>2,408,963</b>	<b>2,956,471</b>	<b>2,706,028</b>	<b>10,894,770</b>	<b>11.28</b>
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		48%	5.415	67%	5.860			11.28	
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000			0.00	
Pure Premium Present on Rate Level		52%	5.641	33%	6.138			11.78	
Pure Premium Derived by Formula		5.533			5.952		11.49		

<b>CLASS</b> 2709		<b>LOGGING OR TREE REMOVAL - MECHANIZED EQUIPMENT OPERATORS</b>							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,510	0	0	0	0	0	0	0	0.00
1/08 through 12/08	14,327,495	3	635,060	10	332,590	868,870	209,918	2,046,438	14.28
1/09 through 12/09	46,189,097	5	487,561	21	419,306	408,393	442,813	1,758,073	3.81
1/10 through 12/10	49,503,390	8	1,081,181	21	711,774	495,321	853,648	3,141,924	6.35
1/11 through 12/11	50,399,344	6	1,470,758	17	840,725	2,161,073	1,262,752	5,735,308	11.38
<b>5 YR. TOTAL</b>	<b>160,422,836</b>	<b>22</b>	<b>3,674,560</b>	<b>69</b>	<b>2,304,395</b>	<b>3,933,657</b>	<b>2,769,131</b>	<b>12,681,743</b>	<b>7.91</b>
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		59%	3.727	70%	4.178			7.91	
Pure Premium Indicated by National Relativity		20%	9.276	15%	7.821			17.10	
Pure Premium Present on Rate Level		21%	5.650	15%	4.249			9.90	
Pure Premium Derived by Formula		5.241			4.735		9.98		

<b>CLASS</b> 2710		<b>SAW MILL</b>							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	63,799,427	7	381,431	44	1,158,972	300,764	1,535,764	3,376,931	5.29
1/08 through 12/08	50,337,757	12	1,721,148	27	575,606	2,363,334	1,032,973	5,693,061	11.31
1/09 through 12/09	49,075,321	5	579,951	39	1,661,622	379,855	1,332,228	3,953,656	8.06
1/10 through 12/10	53,680,786	4	395,195	24	1,121,399	685,318	1,208,798	3,410,710	6.35
1/11 through 12/11	53,160,652	5	821,554	38	1,805,711	567,973	1,777,018	4,972,256	9.35
<b>5 YR. TOTAL</b>	<b>270,053,943</b>	<b>33</b>	<b>3,899,279</b>	<b>172</b>	<b>6,323,310</b>	<b>4,297,244</b>	<b>6,886,781</b>	<b>21,406,614</b>	<b>7.93</b>
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		61%	3.785	87%	4.141			7.93	
Pure Premium Indicated by National Relativity		19%	3.289	6%	3.988			7.28	
Pure Premium Present on Rate Level		20%	3.604	7%	4.205			7.81	
Pure Premium Derived by Formula		3.655			4.136		7.79		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2714		VENEER MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,404,203	1	37,394	4	72,570	78,995	126,759	315,718	5.84
1/08 through 12/08	3,960,276	0	0	0	0	0	4,118	4,118	0.10
1/09 through 12/09	2,578,159	0	0	0	0	0	6,034	6,034	0.23
1/10 through 12/10	2,675,621	1	8,902	2	10,668	48,425	28,521	96,516	3.61
1/11 through 12/11	2,633,467	0	0	1	651	0	10,558	11,209	0.43
5 YR. TOTAL	17,251,726	2	46,296	7	83,889	127,420	175,990	433,595	2.51
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	0.755	23%	1.759	2.51			
Pure Premium Indicated by National Relativity		28%	1.652	30%	1.778	3.43			
Pure Premium Present on Rate Level		57%	1.659	47%	2.420	4.08			
Pure Premium Derived by Formula		1.521			2.075			3.60	

CLASS 2727		LOG HAULING & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	21,187,076	3	200,521	13	793,901	221,103	414,653	1,630,178	7.70
1/08 through 12/08	18,752,800	1	160,678	10	657,637	206,419	231,942	1,256,676	6.70
1/09 through 12/09	19,828,202	3	498,667	8	289,961	456,886	196,361	1,441,875	7.27
1/10 through 12/10	21,343,994	6	584,944	8	629,992	499,402	225,501	1,939,839	9.09
1/11 through 12/11	22,285,544	7	1,028,926	1	597	1,581,837	41,423	2,652,783	11.90
5 YR. TOTAL	103,397,616	20	2,473,736	40	2,372,088	2,965,647	1,109,880	8,921,351	8.63
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		45%	4.687	50%	3.942	8.63			
Pure Premium Indicated by National Relativity		21%	1.546	22%	2.076	3.62			
Pure Premium Present on Rate Level		34%	4.351	28%	2.778	7.13			
Pure Premium Derived by Formula		3.913			3.206			7.12	

CLASS 2731		PLANING OR MOLDING MILL							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	58,397,184	3	460,140	21	436,694	396,348	642,201	1,935,383	3.31
1/08 through 12/08	54,930,688	6	770,160	25	867,019	801,153	938,183	3,376,515	6.15
1/09 through 12/09	45,004,880	0	0	14	89,374	0	261,915	351,289	0.78
1/10 through 12/10	47,457,920	3	107,923	24	278,154	110,473	412,199	908,749	1.92
1/11 through 12/11	51,518,808	0	0	19	617,680	0	913,195	1,530,875	2.97
5 YR. TOTAL	257,309,480	12	1,338,223	103	2,288,921	1,307,974	3,167,693	8,102,811	3.15
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		42%	1.410	59%	1.739	3.15			
Pure Premium Indicated by National Relativity		29%	1.577	20%	1.802	3.38			
Pure Premium Present on Rate Level		29%	1.482	21%	1.711	3.19			
Pure Premium Derived by Formula		1.479			1.746			3.23	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2735		FURNITURE STOCK MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	9,999,987	0	0	7	49,807	0	92,153	141,960	1.42
1/08 through 12/08	9,846,209	1	24,806	8	113,222	9,272	398,967	546,267	5.55
1/09 through 12/09	8,109,854	1	57,628	7	85,688	0	175,642	318,958	3.93
1/10 through 12/10	9,046,888	0	0	10	134,299	0	223,662	357,961	3.96
1/11 through 12/11	10,127,439	0	0	14	167,185	0	280,802	447,987	4.42
5 YR. TOTAL	47,130,377	2	82,434	46	550,201	9,272	1,171,226	1,813,133	3.85
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	1.342	32%	2.505	3.85			
Pure Premium Indicated by National Relativity		38%	1.662	34%	2.017	3.68			
Pure Premium Present on Rate Level		39%	1.746	34%	2.046	3.79			
Pure Premium Derived by Formula		1.621			2.183			3.80	

CLASS 2759		BOX OR BOX SHOOK MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	43,695,303	3	177,969	34	550,624	102,219	562,808	1,393,620	3.19
1/08 through 12/08	45,168,728	3	70,625	24	321,188	49,112	530,923	971,848	2.15
1/09 through 12/09	42,164,429	6	334,435	27	568,113	167,323	718,568	1,788,439	4.24
1/10 through 12/10	47,878,997	3	13,745	37	690,197	30,638	814,141	1,548,721	3.23
1/11 through 12/11	51,505,146	9	928,706	51	1,726,483	1,230,368	1,584,922	5,470,479	10.62
5 YR. TOTAL	230,412,603	24	1,525,480	173	3,856,605	1,579,660	4,211,362	11,173,107	4.85
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		46%	2.336	63%	2.513	4.85			
Pure Premium Indicated by National Relativity		27%	2.370	18%	2.759	5.13			
Pure Premium Present on Rate Level		27%	2.034	19%	2.258	4.29			
Pure Premium Derived by Formula		2.264			2.509			4.77	

CLASS 2790		PATTERN MAKING NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,950,231	1	20,041	1	23,177	6,809	31,609	81,636	2.77
1/08 through 12/08	3,819,495	0	0	3	18,986	0	35,851	54,837	1.44
1/09 through 12/09	2,114,223	0	0	2	9,881	0	64,727	74,608	3.53
1/10 through 12/10	2,985,034	0	0	1	30,063	0	35,401	65,464	2.19
1/11 through 12/11	2,361,533	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	14,230,516	1	20,041	7	82,107	6,809	167,588	276,545	1.94
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.718	14%	1.226	1.94			
Pure Premium Indicated by National Relativity		40%	0.540	42%	0.824	1.36			
Pure Premium Present on Rate Level		50%	0.704	44%	0.868	1.57			
Pure Premium Derived by Formula		0.640			0.900			1.54	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2791		PIPE MFG. - WOODEN, TOBACCO							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,593	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	671,464	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	673,057	0	0	0	0	0	0	0	0.00
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	4%	0.000	0.00			
Pure Premium Indicated by National Relativity		8%	2.412	8%	31.149	33.56			
Pure Premium Present on Rate Level		89%	0.701	88%	0.733	1.43			
Pure Premium Derived by Formula		0.817			3.137			3.95	

CLASS 2797		MANUFACTURED, MODULAR, OR PREFABRICATED HOME MANUFACTURING - SHOP WORK - ALL OPERATIONS & DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	62,629,615	10	646,617	26	864,738	477,073	1,051,679	3,040,107	4.85
1/08 through 12/08	47,174,191	9	1,096,235	25	1,419,871	1,109,491	1,587,838	5,213,435	11.05
1/09 through 12/09	32,187,537	3	44,896	16	217,715	16,412	280,962	559,985	1.74
1/10 through 12/10	23,137,527	5	585,943	13	342,233	446,697	580,701	1,955,574	8.45
1/11 through 12/11	18,888,304	4	86,264	5	85,680	113,559	140,298	425,801	2.25
5 YR. TOTAL	184,017,174	31	2,459,955	85	2,930,237	2,163,232	3,641,478	11,194,902	6.08
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		46%	2.929	65%	3.154	6.08			
Pure Premium Indicated by National Relativity		27%	1.676	17%	1.501	3.18			
Pure Premium Present on Rate Level		27%	2.598	18%	2.962	5.56			
Pure Premium Derived by Formula		2.501			2.838			5.34	

CLASS 2799		MANUFACTURED, MODULAR, OR PREFABRICATED HOME SETUP, HOOKUP, OR INSTALLATION AT BUILDING SITE							
Industry Group: Contracting Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	862,183	0	0	1	9,533	0	1,258	10,791	1.25
5 YR. TOTAL	862,183	0	0	1	9,533	0	1,258	10,791	1.25
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	1.106	5%	0.146	1.25			
Pure Premium Indicated by National Relativity		16%	7.986	16%	1.568	9.55			
Pure Premium Present on Rate Level		80%	1.243	79%	1.166	2.41			
Pure Premium Derived by Formula		2.316			1.179			3.50	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2802		CARPENTRY-SHOP ONLY-& DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	126,523,724	11	282,160	73	2,198,585	914,550	2,819,919	6,215,214	4.91
1/08 through 12/08	99,477,917	4	246,676	36	1,092,295	262,190	1,288,885	2,890,046	2.91
1/09 through 12/09	73,998,707	5	398,025	31	602,783	653,093	680,937	2,334,838	3.16
1/10 through 12/10	53,139,335	7	378,570	29	841,907	623,126	1,095,539	2,939,142	5.53
1/11 through 12/11	59,149,817	6	625,586	28	1,298,744	738,871	955,547	3,618,748	6.12
5 YR. TOTAL	412,289,500	33	1,931,017	197	6,034,314	3,191,830	6,840,827	17,997,988	4.37
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	1.932	76%	2.433	4.37			
Pure Premium Indicated by National Relativity		23%	1.976	12%	2.094	4.07			
Pure Premium Present on Rate Level		24%	1.663	12%	1.972	3.64			
Pure Premium Derived by Formula		1.878			2.337			4.22	

CLASS 2835		BRUSH OR BROOM ASSEMBLY							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	13,098,135	1	40,161	7	184,068	4,715	145,803	374,747	2.86
1/08 through 12/08	10,801,759	0	0	1	54,190	0	50,493	104,683	0.97
1/09 through 12/09	11,981,104	0	0	2	1,945	0	23,159	25,104	0.21
1/10 through 12/10	7,763,709	2	203,257	4	26,327	32,074	87,961	349,619	4.50
1/11 through 12/11	2,017,309	0	0	0	0	0	4,013	4,013	0.20
5 YR. TOTAL	45,662,016	3	243,418	14	266,530	36,789	311,429	858,166	1.88
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	1.117	25%	0.763	1.88			
Pure Premium Indicated by National Relativity		33%	1.485	35%	1.177	2.66			
Pure Premium Present on Rate Level		48%	1.214	40%	1.093	2.31			
Pure Premium Derived by Formula		1.285			1.040			2.33	

CLASS 2836		BRUSH OR BROOM MFG NOC							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,125,283	2	2,059	0	0	40,290	113	42,462	1.36
1/08 through 12/08	3,376,954	0	0	2	5,243	0	28,922	34,165	1.01
1/09 through 12/09	3,145,320	0	0	1	5,126	0	1,660	6,786	0.22
1/10 through 12/10	3,566,349	0	0	0	0	0	2,714	2,714	0.08
1/11 through 12/11	3,033,646	0	0	2	41,845	0	15,246	57,091	1.88
5 YR. TOTAL	16,247,552	2	2,059	5	52,214	40,290	48,655	143,218	0.88
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.334	16%	0.547	0.88			
Pure Premium Indicated by National Relativity		27%	0.621	29%	1.080	1.70			
Pure Premium Present on Rate Level		62%	0.872	55%	1.073	1.95			
Pure Premium Derived by Formula		0.745			0.991			1.74	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2841		WOODENWARE MANUFACTURING NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,132,982	1	5,179	6	130,137	2,888	143,386	281,590	5.49
1/08 through 12/08	5,294,550	3	273,148	4	60,715	64,105	65,102	463,070	8.75
1/09 through 12/09	4,724,158	1	152	3	5,465	0	18,955	24,572	0.52
1/10 through 12/10	3,599,934	1	1,043	1	6,476	3,539	12,528	23,586	0.66
1/11 through 12/11	5,971,736	0	0	0	0	0	9,064	9,064	0.15
5 YR. TOTAL	24,723,360	6	279,522	14	202,793	70,532	249,035	801,882	3.24
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	1.951	23%	1.293	3.24			
Pure Premium Indicated by National Relativity		41%	1.314	38%	1.649	2.96			
Pure Premium Present on Rate Level		42%	1.709	39%	1.738	3.45			
Pure Premium Derived by Formula			1.588		1.602	3.19			

CLASS 2881		FURNITURE MANUFACTURING AND CABINET SHOP - ASSEMBLY BY HAND - WOOD							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	51,508,708	3	156,584	30	437,281	32,224	571,671	1,197,760	2.33
1/08 through 12/08	45,019,319	1	189,028	17	519,703	82,766	1,088,164	1,879,661	4.18
1/09 through 12/09	48,609,498	2	16,337	17	251,760	57,634	337,641	663,372	1.37
1/10 through 12/10	44,394,521	4	192,682	26	689,409	144,833	477,169	1,504,093	3.39
1/11 through 12/11	37,925,753	8	489,469	29	712,200	658,796	746,235	2,606,700	6.87
5 YR. TOTAL	227,457,799	18	1,044,100	119	2,610,353	976,253	3,220,880	7,851,586	3.45
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	1.607	50%	1.845	3.45			
Pure Premium Indicated by National Relativity		32%	1.070	25%	1.140	2.21			
Pure Premium Present on Rate Level		32%	1.135	25%	1.261	2.40			
Pure Premium Derived by Formula			1.284		1.523	2.81			

CLASS 2883		FURNITURE MANUFACTURING AND CABINET SHOP - WOOD - NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	398,679,417	23	2,875,881	167	3,297,240	2,502,002	4,467,291	13,142,414	3.30
1/08 through 12/08	343,654,756	19	1,095,567	138	3,360,414	1,182,844	3,393,124	9,031,949	2.63
1/09 through 12/09	278,987,335	17	1,341,076	113	2,490,387	898,760	3,037,686	7,767,909	2.78
1/10 through 12/10	287,154,112	23	2,338,193	168	3,829,658	2,352,314	4,361,931	12,882,096	4.49
1/11 through 12/11	304,582,075	21	1,750,345	131	2,618,887	1,718,679	3,110,281	9,198,192	3.02
5 YR. TOTAL	1,613,057,695	103	9,401,062	717	15,596,586	8,654,599	18,370,313	52,022,560	3.23
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		89%	1.550	100%	1.675	3.23			
Pure Premium Indicated by National Relativity		5%	1.544	0%	1.652	3.20			
Pure Premium Present on Rate Level		6%	1.522	0%	1.572	3.09			
Pure Premium Derived by Formula			1.548		1.675	3.22			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 2913		RATTAN, WILLOW OR TWISTED FIBER PRODUCTS MFG							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	109,751	0	0	0	0	0	0	0	0.00
1/08 through 12/08	109,351	0	0	0	0	0	438	438	0.40
1/09 through 12/09	30,575	0	0	0	0	0	0	0	0.00
1/10 through 12/10	32,713	0	0	0	0	0	0	0	0.00
1/11 through 12/11	37,880	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	320,270	0	0	0	0	0	438	438	0.14
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	4%	0.137	0.14			
Pure Premium Indicated by National Relativity		11%	0.118	12%	0.799	0.92			
Pure Premium Present on Rate Level		86%	1.071	84%	1.306	2.38			
Pure Premium Derived by Formula		0.934			1.198			2.13	

CLASS 2915		VENEER PRODUCTS MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	32,218,094	2	9,074	10	354,800	13,327	500,411	877,612	2.72
1/08 through 12/08	21,943,377	0	0	3	283,287	0	385,936	669,223	3.05
1/09 through 12/09	45,008,508	2	91,068	6	240,959	71,399	186,991	590,417	1.31
1/10 through 12/10	44,410,423	1	62,392	6	142,608	7,962	91,836	304,798	0.69
1/11 through 12/11	44,044,305	1	33,295	5	430,836	24,953	283,639	772,723	1.76
5 YR. TOTAL	187,624,707	6	195,829	30	1,452,490	117,641	1,448,813	3,214,773	1.71
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		33%	0.879	42%	0.835	1.71			
Pure Premium Indicated by National Relativity		33%	1.255	29%	1.095	2.35			
Pure Premium Present on Rate Level		34%	1.125	29%	1.006	2.13			
Pure Premium Derived by Formula		1.087			0.960			2.05	

CLASS 2916		VENEER PRODUCTS MFG-NO VENEER MFG							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	25,839,511	0	0	8	76,475	0	106,596	183,071	0.71
1/08 through 12/08	21,535,120	0	0	7	140,773	0	153,446	294,219	1.37
1/09 through 12/09	17,976,301	3	160,915	6	74,579	120,195	105,511	461,200	2.57
1/10 through 12/10	20,366,653	0	0	9	201,317	0	127,401	328,718	1.61
1/11 through 12/11	17,010,305	2	40,500	5	77,951	45,644	141,268	305,363	1.80
5 YR. TOTAL	102,727,890	5	201,415	35	571,095	165,839	634,222	1,572,571	1.53
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		28%	0.752	35%	0.779	1.53			
Pure Premium Indicated by National Relativity		36%	1.570	32%	1.534	3.10			
Pure Premium Present on Rate Level		36%	1.369	33%	1.183	2.55			
Pure Premium Derived by Formula		1.269			1.154			2.42	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 2923		<b>PIANO MFG</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,148,893	0	0	0	0	0	892	892	0.04
1/08 through 12/08	2,004,651	0	0	0	0	0	866	866	0.04
1/09 through 12/09	2,087,839	0	0	1	85,565	0	7,068	92,633	4.44
1/10 through 12/10	1,937,519	0	0	1	69,895	0	61,853	131,748	6.80
1/11 through 12/11	2,212,224	0	0	0	0	0	379	379	0.02
5 YR. TOTAL	10,391,126	0	0	2	155,460	0	71,058	226,518	2.18
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		9%	1.496	12%	0.684			2.18	
Pure Premium Indicated by National Relativity		37%	0.767	39%	0.959			1.73	
Pure Premium Present on Rate Level		54%	0.853	49%	0.846			1.70	
Pure Premium Derived by Formula		0.879		0.871				1.75	

<b>CLASS</b> 2942		<b>PENCIL, PENHOLDER OR CRAYON MFG</b>							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	64,931	0	0	0	0	0	0	0	0.00
1/08 through 12/08	57,233	0	0	0	0	0	0	0	0.00
1/09 through 12/09	38,684	0	0	0	0	0	0	0	0.00
1/10 through 12/10	72,884	0	0	0	0	0	0	0	0.00
1/11 through 12/11	38,780	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	272,512	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	0.000	3%	0.000			0.00	
Pure Premium Indicated by National Relativity		15%	1.005	16%	1.405			2.41	
Pure Premium Present on Rate Level		83%	0.927	81%	0.791			1.72	
Pure Premium Derived by Formula		0.920		0.866				1.79	

<b>CLASS</b> 2960		<b>WOOD PRESERVING &amp; DRIVERS</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	7,111,975	1	174,746	5	6,605	76,455	21,760	279,566	3.93
1/08 through 12/08	5,817,607	0	0	2	51,729	0	51,127	102,856	1.77
1/09 through 12/09	5,628,038	0	0	0	0	0	1,840	1,840	0.03
1/10 through 12/10	5,518,831	1	186,058	3	31,548	96,119	26,624	340,349	6.17
1/11 through 12/11	5,914,264	0	0	2	57,537	0	110,433	167,970	2.84
5 YR. TOTAL	29,990,715	2	360,804	12	147,419	172,574	211,784	892,581	2.98
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		19%	1.695	24%	1.282			2.98	
Pure Premium Indicated by National Relativity		40%	2.096	38%	1.971			4.07	
Pure Premium Present on Rate Level		41%	1.724	38%	1.506			3.23	
Pure Premium Derived by Formula		1.867		1.629				3.50	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3004		IRON OR STEEL: MANUFACTURING: STEEL MAKING-& DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	110,574,433	3	96,507	3	46,475	160,784	102,411	406,177	0.37
1/08 through 12/08	96,026,997	0	0	9	703,824	0	393,613	1,097,437	1.14
1/09 through 12/09	92,420,883	4	82,909	7	180,770	177,070	389,522	830,271	0.90
1/10 through 12/10	109,103,930	1	8,667	12	617,066	19,523	491,321	1,136,577	1.04
1/11 through 12/11	116,389,319	3	159,596	11	295,411	228,602	461,731	1,145,340	0.98
5 YR. TOTAL	524,515,562	11	347,679	42	1,843,546	585,979	1,838,598	4,615,802	0.88
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		42%	0.418	51%	0.462	0.88			
Pure Premium Indicated by National Relativity		29%	1.322	24%	1.060	2.38			
Pure Premium Present on Rate Level		29%	0.743	25%	0.582	1.33			
Pure Premium Derived by Formula		0.774			0.636			1.41	

CLASS 3018		IRON OR STEEL: MANUFACTURING: ROLLING MILL & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,890,727	0	0	2	11,423	0	7,109	18,532	0.98
1/08 through 12/08	1,535,157	0	0	0	0	0	483	483	0.03
1/09 through 12/09	1,591,924	0	0	1	79,440	0	49,167	128,607	8.08
1/10 through 12/10	1,898,253	0	0	2	9,555	0	13,237	22,792	1.20
1/11 through 12/11	1,531,383	0	0	2	167,170	0	105,461	272,631	17.80
5 YR. TOTAL	8,447,444	0	0	7	267,588	0	175,457	443,045	5.25
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	3.168	13%	2.077	5.25			
Pure Premium Indicated by National Relativity		45%	1.145	43%	1.285	2.43			
Pure Premium Present on Rate Level		45%	1.343	44%	1.101	2.44			
Pure Premium Derived by Formula		1.436			1.307			2.74	

CLASS 3022		PIPE OR TUBE MFG NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	19,432,618	5	181,541	14	259,374	154,007	292,026	886,948	4.56
1/08 through 12/08	19,241,901	0	0	8	481,588	0	291,316	772,904	4.02
1/09 through 12/09	16,897,950	5	1,010,531	20	803,312	373,104	720,941	2,907,888	17.21
1/10 through 12/10	19,139,692	4	492,547	19	505,681	368,863	494,825	1,861,916	9.73
1/11 through 12/11	19,493,409	2	165,970	15	1,038,507	153,705	763,462	2,121,644	10.88
5 YR. TOTAL	94,205,570	16	1,850,589	76	3,088,462	1,049,679	2,562,570	8,551,300	9.08
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	5.243	48%	3.834	9.08			
Pure Premium Indicated by National Relativity		32%	1.421	26%	1.525	2.95			
Pure Premium Present on Rate Level		32%	2.828	26%	2.749	5.58			
Pure Premium Derived by Formula		3.247			2.952			6.20	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> <b>3027</b>		<b>ROLLING MILL NOC &amp; DRIVERS</b>							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,168,866	0	0	0	0	0	0	0	0.00
1/08 through 12/08	2,497,919	0	0	0	0	0	0	0	0.00
1/09 through 12/09	2,675,726	0	0	0	0	0	0	0	0.00
1/10 through 12/10	8,054,228	0	0	0	0	0	12,643	12,643	0.16
1/11 through 12/11	3,964,741	0	0	0	0	0	2,866	2,866	0.07
<b>5 YR. TOTAL</b>	<b>21,361,480</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15,509</b>	<b>15,509</b>	<b>0.07</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.000	17%	0.073	0.07			
Pure Premium Indicated by National Relativity		43%	1.391	41%	1.207	2.60			
Pure Premium Present on Rate Level		43%	1.083	42%	0.880	1.96			
Pure Premium Derived by Formula		1.064			0.877			1.94	

<b>CLASS</b> <b>3028</b>		<b>PIPE OR TUBE MFG-IRON OR STEEL-&amp; DRIVERS</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,416,952	0	0	4	5,492	0	52,040	57,532	0.68
1/08 through 12/08	7,085,018	1	3,968	3	24,899	10,093	73,089	112,049	1.58
1/09 through 12/09	4,765,353	0	0	2	59,351	0	44,047	103,398	2.17
1/10 through 12/10	5,970,783	0	0	4	21,822	0	82,563	104,385	1.75
1/11 through 12/11	6,495,333	0	0	2	28,000	0	33,329	61,329	0.94
<b>5 YR. TOTAL</b>	<b>32,733,439</b>	<b>1</b>	<b>3,968</b>	<b>15</b>	<b>139,564</b>	<b>10,093</b>	<b>285,068</b>	<b>438,693</b>	<b>1.34</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.438	26%	0.902	1.34			
Pure Premium Indicated by National Relativity		41%	1.181	37%	1.328	2.51			
Pure Premium Present on Rate Level		41%	1.466	37%	1.657	3.12			
Pure Premium Derived by Formula		1.164			1.339			2.50	

<b>CLASS</b> <b>3030</b>		<b>IRON OR STEEL: FABRICATION: IRON OR STEEL WORKS-SHOP-STRUCTURAL-&amp; DRIVERS</b>							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	75,715,712	7	711,615	43	915,447	926,649	966,243	3,519,954	4.65
1/08 through 12/08	70,365,992	8	741,130	49	1,198,181	947,257	1,285,759	4,172,327	5.93
1/09 through 12/09	47,645,108	2	192,367	25	1,189,603	191,209	1,325,075	2,898,254	6.08
1/10 through 12/10	40,566,225	3	306,551	23	303,753	444,663	377,007	1,431,974	3.53
1/11 through 12/11	46,998,846	2	485,267	22	548,466	432,800	599,989	2,066,522	4.40
<b>5 YR. TOTAL</b>	<b>281,291,883</b>	<b>22</b>	<b>2,436,930</b>	<b>162</b>	<b>4,155,450</b>	<b>2,942,578</b>	<b>4,554,073</b>	<b>14,089,031</b>	<b>5.01</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		52%	2.344	72%	2.665	5.01			
Pure Premium Indicated by National Relativity		24%	2.321	14%	2.377	4.70			
Pure Premium Present on Rate Level		24%	2.350	14%	2.521	4.87			
Pure Premium Derived by Formula		2.340			2.605			4.95	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> <b>3040</b>		<b>IRON OR STEEL: FABRICATION: IRON WORKS-SHOP-ORNAMENTAL-&amp; DRIVERS</b>							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	27,922,184	3	349,726	23	301,781	273,934	588,146	1,513,587	5.42
1/08 through 12/08	26,492,811	5	180,473	14	376,092	351,221	339,943	1,247,729	4.71
1/09 through 12/09	21,015,609	1	122,713	7	432,419	246,433	268,553	1,070,118	5.09
1/10 through 12/10	21,413,646	3	254,284	13	277,927	364,069	287,752	1,184,032	5.53
1/11 through 12/11	20,880,684	1	25,392	8	247,311	79,626	200,137	552,466	2.65
<b>5 YR. TOTAL</b>	<b>117,724,934</b>	<b>13</b>	<b>932,588</b>	<b>65</b>	<b>1,635,530</b>	<b>1,315,283</b>	<b>1,684,531</b>	<b>5,567,932</b>	<b>4.73</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	2.181	53%	2.548	4.73			
Pure Premium Indicated by National Relativity		31%	2.359	23%	2.346	4.71			
Pure Premium Present on Rate Level		31%	2.583	24%	2.809	5.39			
Pure Premium Derived by Formula		2.361			2.564			4.93	

<b>CLASS</b> <b>3041</b>		<b>IRON OR STEEL: FABRICATION: IRON WORKS-SHOP-DECORATIVE OR ARTISTIC- &amp; FOUNDRIES, DRIVERS</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,272,357	0	0	2	17,607	0	27,112	44,719	1.37
1/08 through 12/08	3,751,261	1	39,291	5	356,383	42,148	130,380	568,202	15.15
1/09 through 12/09	2,204,745	0	0	2	106,456	0	63,227	169,683	7.70
1/10 through 12/10	1,655,356	0	0	2	4,242	0	6,554	10,796	0.65
1/11 through 12/11	1,710,018	0	0	0	0	0	532	532	0.03
<b>5 YR. TOTAL</b>	<b>12,593,737</b>	<b>1</b>	<b>39,291</b>	<b>11</b>	<b>484,688</b>	<b>42,148</b>	<b>227,805</b>	<b>793,932</b>	<b>6.31</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	4.161	19%	2.144	6.31			
Pure Premium Indicated by National Relativity		42%	1.861	40%	1.990	3.85			
Pure Premium Present on Rate Level		43%	2.385	41%	1.904	4.29			
Pure Premium Derived by Formula		2.431			1.984			4.42	

<b>CLASS</b> <b>3042</b>		<b>ELEVATOR OR ESCALATOR MFG</b>							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,951,445	0	0	2	3,567	0	6,431	9,998	0.20
1/08 through 12/08	5,010,032	0	0	3	41,455	0	96,675	138,130	2.76
1/09 through 12/09	3,186,786	0	0	0	0	0	0	0	0.00
1/10 through 12/10	3,343,570	0	0	0	0	0	0	0	0.00
1/11 through 12/11	3,911,600	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>20,403,433</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>45,022</b>	<b>0</b>	<b>103,106</b>	<b>148,128</b>	<b>0.73</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	0.221	22%	0.505	0.73			
Pure Premium Indicated by National Relativity		41%	2.435	39%	2.100	4.54			
Pure Premium Present on Rate Level		42%	1.851	39%	1.782	3.63			
Pure Premium Derived by Formula		1.813			1.625			3.44	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3064		SIGN MFG-METAL							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	14,844,773	3	26,674	9	69,485	33,941	136,006	266,106	1.79
1/08 through 12/08	13,791,893	3	223,341	4	31,791	159,374	82,183	496,689	3.60
1/09 through 12/09	11,189,971	2	46,369	6	153,805	190,171	251,042	641,387	5.73
1/10 through 12/10	11,687,597	2	53,569	7	131,571	101,954	275,474	562,568	4.81
1/11 through 12/11	11,887,058	2	135,788	8	157,059	141,388	355,671	789,906	6.65
5 YR. TOTAL	63,401,292	12	485,741	34	543,711	626,828	1,100,376	2,756,656	4.35
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		27%	1.624	39%	2.724	4.35			
Pure Premium Indicated by National Relativity		36%	2.048	30%	2.254	4.30			
Pure Premium Present on Rate Level		37%	1.968	31%	2.404	4.37			
Pure Premium Derived by Formula		1.904			2.484			4.39	

CLASS 3069 + +		SHEET METAL PRODUCTS MFG.							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	13,708,679	0	0	3	29,509	0	74,382	103,891	0.76
1/09 through 12/09	21,758,846	1	13,541	10	126,324	8,065	320,167	468,097	2.15
1/10 through 12/10	19,323,168	1	1,882	11	75,267	7,133	128,688	212,970	1.10
1/11 through 12/11	33,599,188	2	74,760	6	84,264	91,601	322,277	572,902	1.71
5 YR. TOTAL	88,389,881	4	90,183	30	315,364	106,799	845,514	1,357,860	1.54
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		28%	0.459	38%	1.077	1.54			
Pure Premium Indicated by National Relativity		36%	1.558	31%	1.667	3.23			
Pure Premium Present on Rate Level		36%	1.546	31%	1.626	3.17			
Pure Premium Derived by Formula		1.246			1.430			2.68	

CLASS 3076 + +		SHEET METAL PRODUCTS MFG.							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	291,804,467	26	2,908,584	93	2,466,575	2,996,679	3,007,879	11,379,717	3.90
1/08 through 12/08	267,413,405	15	1,171,895	90	2,632,230	1,432,021	2,663,526	7,899,672	2.96
1/09 through 12/09	230,875,195	15	962,590	83	2,432,885	795,947	2,451,388	6,642,810	2.88
1/10 through 12/10	235,696,683	13	635,703	112	1,919,460	865,086	2,197,221	5,617,470	2.38
1/11 through 12/11	241,779,952	17	1,821,504	84	1,366,692	1,404,221	2,185,541	6,777,958	2.80
5 YR. TOTAL	1,267,569,702	86	7,500,276	462	10,817,842	7,493,954	12,505,555	38,317,627	3.02
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		79%	1.445	100%	1.578	3.02			
Pure Premium Indicated by National Relativity		10%	1.173	0%	1.383	2.56			
Pure Premium Present on Rate Level		11%	1.445	0%	1.502	2.95			
Pure Premium Derived by Formula		1.418			1.578			3.00	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3081		FOUNDRY-FERROUS-NOC							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	36,679,821	1	45,930	5	127,774	144,682	136,975	455,361	1.24
1/08 through 12/08	32,246,439	1	110,835	5	93,613	18,276	298,540	521,264	1.62
1/09 through 12/09	29,651,737	5	607,972	8	81,016	636,448	149,839	1,475,275	4.98
1/10 through 12/10	39,463,420	4	465,736	14	244,395	886,661	394,087	1,990,879	5.04
1/11 through 12/11	41,481,222	2	25,840	10	208,361	39,223	477,467	750,891	1.81
5 YR. TOTAL	179,522,639	13	1,256,313	42	755,159	1,725,290	1,456,908	5,193,670	2.89
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		38%	1.120	51%	1.773			2.89	
Pure Premium Indicated by National Relativity		31%	2.339	24%	2.357			4.70	
Pure Premium Present on Rate Level		31%	1.673	25%	1.725			3.40	
Pure Premium Derived by Formula		1.669			1.901		3.57		

CLASS 3082		FOUNDRY-STEEL CASTINGS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	54,234	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	54,234	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	0.000	2%	0.000			0.00	
Pure Premium Indicated by National Relativity		49%	1.219	49%	1.548			2.77	
Pure Premium Present on Rate Level		49%	1.866	49%	2.033			3.90	
Pure Premium Derived by Formula		1.512			1.755		3.27		

CLASS 3085		FOUNDRY-NON-FERROUS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	9,774,156	3	290,909	8	145,641	229,428	235,210	901,188	9.22
1/08 through 12/08	5,915,267	0	0	4	209,636	0	166,142	375,778	6.35
1/09 through 12/09	5,390,563	1	10,622	4	104,126	11,377	106,666	232,791	4.32
1/10 through 12/10	11,845,539	0	0	7	187,017	0	187,619	374,636	3.16
1/11 through 12/11	11,452,274	0	0	3	73,808	0	98,816	172,624	1.51
5 YR. TOTAL	44,377,799	4	301,531	26	720,228	240,805	794,453	2,057,017	4.64
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		24%	2.302	32%	2.333			4.64	
Pure Premium Indicated by National Relativity		38%	1.941	34%	1.979			3.92	
Pure Premium Present on Rate Level		38%	2.056	34%	2.078			4.13	
Pure Premium Derived by Formula		2.071			2.126		4.20		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3110		FORGING WORK-DROP OR MACHINE							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,051,684	0	0	1	229,229	0	393,464	622,693	15.37
1/08 through 12/08	7,113,780	1	95,502	5	115,210	111,548	98,500	420,760	5.92
1/09 through 12/09	7,224,719	1	173,131	1	498	286,420	12,385	472,434	6.54
1/10 through 12/10	14,384,344	1	2,027	5	195,260	813	117,930	316,030	2.20
1/11 through 12/11	13,302,009	3	174,267	5	90,804	99,249	126,969	491,289	3.69
5 YR. TOTAL	46,076,536	6	444,927	17	631,001	498,030	749,248	2,323,206	5.04
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	2.335	33%	2.707	5.04			
Pure Premium Indicated by National Relativity		37%	1.981	33%	1.902	3.88			
Pure Premium Present on Rate Level		38%	2.186	34%	2.204	4.39			
Pure Premium Derived by Formula		2.147			2.270			4.42	

CLASS 3111		BLACKSMITH							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	12,475,225	0	0	4	7,223	0	28,256	35,479	0.28
1/08 through 12/08	9,294,304	2	69,087	7	60,743	21,313	86,874	238,017	2.56
1/09 through 12/09	10,701,162	0	0	2	22,751	0	40,273	63,024	0.59
1/10 through 12/10	10,657,979	0	0	3	139,302	0	225,395	364,697	3.42
1/11 through 12/11	10,662,882	2	100,597	2	10,989	65,746	75,258	252,590	2.37
5 YR. TOTAL	53,791,552	4	169,684	18	241,008	87,059	456,056	953,807	1.77
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	0.763	28%	1.010	1.77			
Pure Premium Indicated by National Relativity		39%	1.012	36%	1.194	2.21			
Pure Premium Present on Rate Level		39%	1.328	36%	1.234	2.56			
Pure Premium Derived by Formula		1.080			1.157			2.24	

CLASS 3113		TOOL MANUFACTURING-NOT DROP OR MACHINE FORGED-NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	65,784,995	3	145,074	28	647,772	179,274	709,430	1,681,550	2.56
1/08 through 12/08	61,863,108	3	750,095	11	113,484	142,083	424,394	1,430,056	2.31
1/09 through 12/09	56,273,935	3	264,439	9	63,217	81,696	270,805	680,157	1.21
1/10 through 12/10	63,461,737	1	4,054	11	675,114	875	542,036	1,222,079	1.93
1/11 through 12/11	60,400,996	0	0	9	185,571	0	218,327	403,898	0.67
5 YR. TOTAL	307,784,771	10	1,163,662	68	1,685,158	403,928	2,164,992	5,417,740	1.76
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	0.926	49%	0.835	1.76			
Pure Premium Indicated by National Relativity		31%	0.788	25%	0.881	1.67			
Pure Premium Present on Rate Level		31%	0.953	26%	0.883	1.84			
Pure Premium Derived by Formula		0.892			0.859			1.75	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 3114		<b>TOOL MFG-DROP OR MACHINE FORGED-NOC: MACHINING OR FINISHING OF TOOLS OR DIE MAKING OPERATIONS</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	12,449,805	1	356,573	3	71,545	255,913	162,666	846,697	6.80
1/08 through 12/08	13,957,927	1	53,763	3	45,446	0	53,953	153,162	1.10
1/09 through 12/09	14,694,457	0	0	2	51,211	0	60,498	111,709	0.76
1/10 through 12/10	17,489,846	0	0	10	98,825	0	154,601	253,426	1.45
1/11 through 12/11	16,321,362	0	0	9	177,004	0	105,145	282,149	1.73
5 YR. TOTAL	74,913,397	2	410,336	27	444,031	255,913	536,863	1,647,143	2.20
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	1.140	33%	1.058	2.20			
Pure Premium Indicated by National Relativity		37%	1.288	33%	1.112	2.40			
Pure Premium Present on Rate Level		38%	1.414	34%	1.374	2.79			
Pure Premium Derived by Formula		1.299			1.183			2.48	

<b>CLASS</b> 3118		<b>SAW MFG</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	2,931,485	0	0	0	0	0	3,245	3,245	0.11
1/08 through 12/08	2,171,374	0	0	1	15,378	0	46,807	62,185	2.86
1/09 through 12/09	2,220,790	0	0	3	81,948	0	69,112	151,060	6.80
1/10 through 12/10	2,238,708	0	0	0	0	0	976	976	0.04
1/11 through 12/11	2,858,788	0	0	0	0	0	4,227	4,227	0.15
5 YR. TOTAL	12,421,145	0	0	4	97,326	0	124,367	221,693	1.79
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.784	14%	1.001	1.79			
Pure Premium Indicated by National Relativity		42%	0.721	43%	0.773	1.49			
Pure Premium Present on Rate Level		48%	0.861	43%	0.996	1.86			
Pure Premium Derived by Formula		0.795			0.901			1.70	

<b>CLASS</b> 3119		<b>NEEDLE MFG</b>							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		20%	0.294	21%	0.455	0.75			
Pure Premium Present on Rate Level		80%	0.322	79%	0.395	0.72			
Pure Premium Derived by Formula		0.316			0.408			0.72	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3122		CUTLERY MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,407,444	0	0	0	0	0	1,594	1,594	0.11
1/08 through 12/08	1,760,491	0	0	1	10,822	0	16,135	26,957	1.53
1/09 through 12/09	1,491,005	0	0	1	33,115	0	53,061	86,176	5.78
1/10 through 12/10	1,523,595	0	0	0	0	0	1,609	1,609	0.11
1/11 through 12/11	1,913,634	0	0	1	27,569	0	71,639	99,208	5.19
5 YR. TOTAL	8,096,169	0	0	3	71,506	0	144,038	215,544	2.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.883	12%	1.779	2.66			
Pure Premium Indicated by National Relativity		27%	0.281	29%	0.550	0.83			
Pure Premium Present on Rate Level		65%	0.763	59%	1.035	1.80			
Pure Premium Derived by Formula		0.642			0.984			1.63	

CLASS 3126		TOOL MFG-AGRICULTURAL, CONSTRUCTION, LOGGING, MINING, OIL OR ARTESIAN WELL							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	14,517,676	2	137,473	6	67,237	70,242	128,358	403,310	2.78
1/08 through 12/08	21,299,784	1	113,704	5	19,009	85,684	38,946	257,343	1.21
1/09 through 12/09	14,293,475	1	39,195	13	609,089	30,793	376,534	1,055,611	7.39
1/10 through 12/10	13,730,778	1	90,685	9	200,649	228,733	229,830	749,897	5.46
1/11 through 12/11	14,240,565	0	0	4	84,017	0	156,153	240,170	1.69
5 YR. TOTAL	78,082,278	5	381,057	37	980,001	415,452	929,821	2,706,331	3.47
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	1.743	32%	1.723	3.47			
Pure Premium Indicated by National Relativity		37%	0.784	34%	0.855	1.64			
Pure Premium Present on Rate Level		38%	1.320	34%	1.163	2.48			
Pure Premium Derived by Formula		1.227			1.237			2.46	

CLASS 3131		BUTTON OR FASTENER MFG-METAL							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	19,123,885	1	8,804	3	17,142	1,833	64,361	92,140	0.48
1/08 through 12/08	15,992,597	1	21,939	2	78,724	14,788	88,419	203,870	1.27
1/09 through 12/09	15,115,343	0	0	5	28,710	0	47,052	75,762	0.50
1/10 through 12/10	20,370,917	1	25,139	1	8,053	16,534	26,235	75,961	0.37
1/11 through 12/11	18,025,621	0	0	3	22,650	0	23,217	45,867	0.26
5 YR. TOTAL	88,628,363	3	55,882	14	155,279	33,155	249,284	493,600	0.56
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.238	26%	0.319	0.56			
Pure Premium Indicated by National Relativity		39%	0.604	37%	0.808	1.41			
Pure Premium Present on Rate Level		43%	0.488	37%	0.612	1.10			
Pure Premium Derived by Formula		0.488			0.608			1.10	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 3132		<b>NUT OR BOLT MFG</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	674,911	0	0	1	93,012	0	26,951	119,963	17.77
1/08 through 12/08	944,998	0	0	0	0	0	208	208	0.02
1/09 through 12/09	1,279,152	0	0	0	0	0	3,413	3,413	0.27
1/10 through 12/10	1,581,749	0	0	0	0	0	0	0	0.00
1/11 through 12/11	1,473,486	0	0	3	51,402	0	41,885	93,287	6.33
5 YR. TOTAL	5,954,296	0	0	4	144,414	0	72,457	216,871	3.64
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		9%	2.425	11%	1.217			3.64	
Pure Premium Indicated by National Relativity		45%	1.149	44%	1.515			2.66	
Pure Premium Present on Rate Level		46%	1.202	45%	1.194			2.40	
Pure Premium Derived by Formula		1.288			1.338		2.63		

<b>CLASS</b> 3145		<b>SCREW MFG</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	1,622,218	0	0	0	0	0	0	0	0.00
1/08 through 12/08	1,338,006	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,092,061	0	0	1	3,184	0	931	4,115	0.38
1/10 through 12/10	5,744,314	0	0	0	0	0	6,098	6,098	0.11
1/11 through 12/11	4,517,474	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	14,314,073	0	0	1	3,184	0	7,029	10,213	0.07
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		11%	0.022	15%	0.049			0.07	
Pure Premium Indicated by National Relativity		44%	1.060	42%	1.086			2.15	
Pure Premium Present on Rate Level		45%	0.970	43%	0.964			1.93	
Pure Premium Derived by Formula		0.905			0.878		1.78		

<b>CLASS</b> 3146		<b>HARDWARE MFG NOC</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	117,436,083	5	558,740	21	364,477	370,509	495,928	1,789,654	1.52
1/08 through 12/08	101,625,043	5	948,851	20	567,003	858,438	570,233	2,944,525	2.90
1/09 through 12/09	97,518,880	2	249,731	16	318,120	496,888	475,035	1,539,774	1.58
1/10 through 12/10	112,004,925	1	11,402	33	698,577	8,274	859,839	1,578,092	1.41
1/11 through 12/11	121,549,387	5	129,570	23	575,666	379,101	631,832	1,716,169	1.41
5 YR. TOTAL	550,134,318	18	1,898,294	113	2,523,843	2,113,210	3,032,867	9,568,214	1.74
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		48%	0.804	65%	0.935			1.74	
Pure Premium Indicated by National Relativity		26%	0.914	17%	1.084			2.00	
Pure Premium Present on Rate Level		26%	0.955	18%	1.000			1.96	
Pure Premium Derived by Formula		0.872			0.972		1.84		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3169		STOVE MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	36,776,275	4	317,348	18	986,359	461,643	663,805	2,429,155	6.61
1/08 through 12/08	33,457,147	3	289,300	16	269,624	225,831	306,305	1,091,060	3.26
1/09 through 12/09	32,196,970	4	280,253	6	112,798	427,576	245,622	1,066,249	3.31
1/10 through 12/10	16,065,454	0	0	5	87,869	0	130,071	217,940	1.36
1/11 through 12/11	15,962,058	2	278,025	5	120,294	129,363	242,076	769,758	4.82
5 YR. TOTAL	134,457,904	13	1,164,926	50	1,576,944	1,244,413	1,587,879	5,574,162	4.15
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		33%	2.039	45%	2.106	4.15			
Pure Premium Indicated by National Relativity		33%	1.137	27%	1.212	2.35			
Pure Premium Present on Rate Level		34%	1.559	28%	1.623	3.18			
Pure Premium Derived by Formula		1.578			1.729			3.31	

CLASS 3175		RADIATOR OR HEATER MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	393,649	0	0	0	0	0	0	0	0.00
1/08 through 12/08	208,627	0	0	1	6,876	0	28,402	35,278	16.91
1/09 through 12/09	226,063	0	0	1	3,840	0	1,399	5,239	2.32
1/10 through 12/10	97,482	0	0	0	0	0	0	0	0.00
1/11 through 12/11	837,789	0	0	0	0	0	577	577	0.07
5 YR. TOTAL	1,763,610	0	0	2	10,716	0	30,378	41,094	2.33
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.608	8%	1.722	2.33			
Pure Premium Indicated by National Relativity		24%	1.779	25%	2.114	3.89			
Pure Premium Present on Rate Level		70%	1.590	67%	1.838	3.43			
Pure Premium Derived by Formula		1.576			1.898			3.47	

CLASS 3179		ELECTRICAL APPARATUS MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	511,445,438	25	2,733,906	99	1,782,059	1,820,192	1,730,818	8,066,975	1.58
1/08 through 12/08	466,428,954	15	1,278,367	91	2,025,810	943,363	1,817,958	6,065,498	1.30
1/09 through 12/09	408,544,105	19	1,059,766	52	1,279,310	1,097,196	1,312,858	4,749,130	1.16
1/10 through 12/10	322,650,085	19	1,045,054	58	1,098,350	937,699	1,472,571	4,553,674	1.41
1/11 through 12/11	339,006,826	15	2,220,524	56	1,231,719	1,118,156	1,349,154	5,919,553	1.75
5 YR. TOTAL	2,048,075,408	93	8,337,617	356	7,417,248	5,916,606	7,683,359	29,354,830	1.43
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		71%	0.769	88%	0.664	1.43			
Pure Premium Indicated by National Relativity		14%	0.940	6%	0.978	1.92			
Pure Premium Present on Rate Level		15%	0.696	6%	0.580	1.28			
Pure Premium Derived by Formula		0.782			0.678			1.46	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3180		ELECTRIC OR GAS LIGHTING FIXTURES MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,482,949	1	11,565	1	524	25,983	20,583	58,655	0.69
1/08 through 12/08	6,770,780	0	0	1	115	0	14,765	14,880	0.22
1/09 through 12/09	6,717,900	0	0	0	0	0	9,302	9,302	0.14
1/10 through 12/10	6,563,393	1	29,740	1	5,540	114,395	11,350	161,025	2.45
1/11 through 12/11	7,276,636	1	34,140	1	23,352	41,778	18,417	117,687	1.62
5 YR. TOTAL	35,811,658	3	75,445	4	29,531	182,156	74,417	361,549	1.01
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.293	20%	0.716	1.01			
Pure Premium Indicated by National Relativity		43%	0.842	40%	1.009	1.85			
Pure Premium Present on Rate Level		43%	0.716	40%	0.846	1.56			
Pure Premium Derived by Formula		0.711			0.885			1.60	

CLASS 3188		PLUMBERS SUPPLIES MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	54,121,949	4	136,186	7	40,395	62,294	143,115	381,990	0.71
1/08 through 12/08	55,079,346	1	8,743	4	19,086	13,909	50,226	91,964	0.17
1/09 through 12/09	48,203,023	0	0	7	590,103	0	313,773	903,876	1.88
1/10 through 12/10	47,049,688	0	0	5	97,172	0	145,490	242,662	0.52
1/11 through 12/11	82,761,752	2	111,012	2	3,401	164,473	38,810	317,696	0.38
5 YR. TOTAL	287,215,758	7	255,941	25	750,157	240,676	691,414	1,938,188	0.68
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		33%	0.350	41%	0.325	0.68			
Pure Premium Indicated by National Relativity		33%	0.721	29%	0.804	1.53			
Pure Premium Present on Rate Level		34%	0.727	30%	0.628	1.36			
Pure Premium Derived by Formula		0.601			0.555			1.16	

CLASS 3220		CAN MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	24,840,419	2	644,589	8	110,380	549,131	103,528	1,407,628	5.67
1/08 through 12/08	22,558,798	2	36,903	5	105,321	39,421	132,452	314,097	1.39
1/09 through 12/09	23,840,701	0	0	5	196,105	0	176,382	372,487	1.56
1/10 through 12/10	28,472,048	1	40,542	1	143,843	5,615	65,497	255,497	0.90
1/11 through 12/11	25,897,692	0	0	2	129,996	0	98,320	228,316	0.88
5 YR. TOTAL	125,609,658	5	722,034	21	685,645	594,167	576,179	2,578,025	2.05
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		29%	1.121	35%	0.932	2.05			
Pure Premium Indicated by National Relativity		35%	0.654	32%	0.631	1.29			
Pure Premium Present on Rate Level		36%	1.168	33%	0.952	2.12			
Pure Premium Derived by Formula		0.974			0.842			1.82	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3223		LAMP OR PORTABLE LANTERN MFG							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,051,337	1	191,277	0	0	90,775	3,037	285,089	9.34
1/08 through 12/08	2,415,626	0	0	0	0	0	0	0	0.00
1/09 through 12/09	2,673,161	0	0	0	0	0	0	0	0.00
1/10 through 12/10	2,657,239	0	0	0	0	0	1,784	1,784	0.07
1/11 through 12/11	2,735,186	0	0	0	0	0	833	833	0.03
5 YR. TOTAL	13,532,549	1	191,277	0	0	90,775	5,654	287,706	2.13
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		11%	1.413	16%	0.713			2.13	
Pure Premium Indicated by National Relativity		24%	1.419	26%	2.182			3.60	
Pure Premium Present on Rate Level		65%	0.894	58%	1.140			2.03	
Pure Premium Derived by Formula		1.077			1.343			2.42	

CLASS 3224		ENAMEL WARE MFG.							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	41,121	0	0	0	0	0	0	0	0.00
1/08 through 12/08	10,623	0	0	0	0	0	0	0	0.00
1/09 through 12/09	8,831	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	60,575	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		1%	0.000	2%	0.000			0.00	
Pure Premium Indicated by National Relativity		24%	2.899	25%	1.241			4.14	
Pure Premium Present on Rate Level		75%	1.295	73%	1.120			2.42	
Pure Premium Derived by Formula		1.667			1.128			2.80	

CLASS 3227		ALUMINUM WARE MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	14,430,525	4	88,212	4	299,259	9,775	64,782	462,028	3.20
1/08 through 12/08	3,741,887	4	112,148	0	0	18,353	1,348	131,849	3.52
1/09 through 12/09	3,619,986	1	9,302	0	0	24,614	8,993	42,909	1.19
1/10 through 12/10	3,585,941	0	0	2	155,639	0	115,326	270,965	7.56
1/11 through 12/11	7,895,217	4	151,410	0	0	96,001	3,227	250,638	3.18
5 YR. TOTAL	33,273,556	13	361,072	6	454,898	148,743	193,676	1,158,389	3.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		19%	2.452	22%	1.029			3.48	
Pure Premium Indicated by National Relativity		40%	1.356	39%	1.070			2.43	
Pure Premium Present on Rate Level		41%	1.521	39%	1.070			2.59	
Pure Premium Derived by Formula		1.632			1.061			2.69	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3240		WIRE ROPE MFG-IRON OR STEEL							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,184,697	0	0	1	341	0	10,741	11,082	0.94
1/08 through 12/08	1,424,596	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,214,148	1	7,007	0	0	0	606	7,613	0.63
1/10 through 12/10	1,509,401	0	0	4	75,303	0	109,698	185,001	12.26
1/11 through 12/11	1,426,856	0	0	0	0	0	1,681	1,681	0.12
5 YR. TOTAL	6,759,698	1	7,007	5	75,644	0	122,726	205,377	3.04
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	1.223	12%	1.816	3.04			
Pure Premium Indicated by National Relativity		26%	1.016	27%	1.281	2.30			
Pure Premium Present on Rate Level		66%	0.955	61%	1.158	2.11			
Pure Premium Derived by Formula			0.992		1.270	2.26			

CLASS 3241		WIRE DRAWING-IRON OR STEEL							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,782,923	1	8,070	2	3,283	13,360	21,416	46,129	1.22
1/08 through 12/08	4,507,128	0	0	3	272,134	0	124,289	396,423	8.80
1/09 through 12/09	3,934,359	0	0	0	0	0	408	408	0.01
1/10 through 12/10	3,909,307	0	0	1	1,606	0	10,170	11,776	0.30
1/11 through 12/11	3,717,624	0	0	1	2,477	0	38,183	40,660	1.09
5 YR. TOTAL	19,851,341	1	8,070	7	279,500	13,360	194,466	495,396	2.50
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	1.449	19%	1.047	2.50			
Pure Premium Indicated by National Relativity		43%	1.288	40%	1.381	2.67			
Pure Premium Present on Rate Level		43%	1.265	41%	1.338	2.60			
Pure Premium Derived by Formula			1.301		1.300	2.60			

CLASS 3255		WIRE CLOTH MFG							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	935,550	0	0	1	8,185	0	21,643	29,828	3.19
1/08 through 12/08	736,444	0	0	0	0	0	0	0	0.00
1/09 through 12/09	586,756	0	0	1	135,161	0	20,834	155,995	26.59
1/10 through 12/10	536,147	0	0	1	9,363	0	8,000	17,363	3.24
1/11 through 12/11	13,480,248	1	33,674	2	96,220	43,350	61,076	234,320	1.74
5 YR. TOTAL	16,275,145	1	33,674	5	248,929	43,350	111,553	437,506	2.69
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	1.736	15%	0.952	2.69			
Pure Premium Indicated by National Relativity		18%	0.461	19%	0.838	1.30			
Pure Premium Present on Rate Level		70%	0.981	66%	0.914	1.90			
Pure Premium Derived by Formula			0.978		0.905	1.88			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3257		WIRE GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	76,249,546	4	339,330	22	642,421	659,456	511,428	2,152,635	2.82
1/08 through 12/08	66,158,148	5	591,897	30	630,834	383,931	681,773	2,288,435	3.46
1/09 through 12/09	63,492,357	5	384,694	19	567,368	388,364	614,677	1,955,103	3.08
1/10 through 12/10	70,588,365	4	568,650	22	381,701	117,637	445,795	1,513,783	2.14
1/11 through 12/11	68,868,274	5	915,718	20	661,371	1,064,455	641,248	3,282,792	4.77
5 YR. TOTAL	345,356,690	23	2,800,289	113	2,883,695	2,613,843	2,894,921	11,192,748	3.24
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		43%	1.646	59%	1.595	3.24			
Pure Premium Indicated by National Relativity		28%	0.981	20%	1.211	2.19			
Pure Premium Present on Rate Level		29%	1.163	21%	1.273	2.44			
Pure Premium Derived by Formula		1.320			1.451			2.77	

CLASS 3270		EYELET MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	702,952	0	0	0	0	0	44	44	0.01
1/08 through 12/08	486,766	0	0	0	0	0	0	0	0.00
1/09 through 12/09	572,458	0	0	1	29,319	0	55,256	84,575	14.77
1/10 through 12/10	413,600	0	0	0	0	0	0	0	0.00
1/11 through 12/11	345,336	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,521,112	0	0	1	29,319	0	55,300	84,619	3.36
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	1.163	8%	2.193	3.36			
Pure Premium Indicated by National Relativity		44%	1.057	46%	1.288	2.35			
Pure Premium Present on Rate Level		50%	1.197	46%	1.268	2.47			
Pure Premium Derived by Formula		1.133			1.351			2.48	

CLASS 3300		BED SPRING OR WIRE MATTRESS MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	17,127,637	1	33,858	7	92,911	31,241	128,271	286,281	1.67
1/08 through 12/08	14,872,589	1	9,226	4	134,002	16,920	231,777	391,925	2.64
1/09 through 12/09	16,567,515	1	54,620	3	12,608	106,168	20,446	193,842	1.17
1/10 through 12/10	17,210,227	2	133,745	6	36,272	219,778	77,803	467,598	2.72
1/11 through 12/11	18,969,915	1	24,184	4	22,611	26,118	78,202	151,115	0.80
5 YR. TOTAL	84,747,883	6	255,633	24	298,404	400,225	536,499	1,490,761	1.76
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		28%	0.654	38%	1.105	1.76			
Pure Premium Indicated by National Relativity		36%	1.380	31%	1.955	3.34			
Pure Premium Present on Rate Level		36%	1.585	31%	1.715	3.30			
Pure Premium Derived by Formula		1.251			1.558			2.81	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3303		SPRING MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,859,469	0	0	0	0	0	1,667	1,667	0.09
1/08 through 12/08	689,519	0	0	0	0	0	2,867	2,867	0.42
1/09 through 12/09	689,639	0	0	1	44,989	0	13,887	58,876	8.54
1/10 through 12/10	564,876	0	0	1	283	0	2,940	3,223	0.57
1/11 through 12/11	285,304	1	57,984	0	0	48,498	235	106,717	37.41
5 YR. TOTAL	4,088,807	1	57,984	2	45,272	48,498	21,596	173,350	4.24
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	2.525	9%	1.714	4.24			
Pure Premium Indicated by National Relativity		40%	1.595	42%	1.783	3.38			
Pure Premium Present on Rate Level		53%	1.139	49%	0.991	2.13			
Pure Premium Derived by Formula		1.418			1.389			2.81	

CLASS 3307		HEAT-TREATING-METAL							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,316,016	1	3,642	4	150,129	20,060	63,791	237,622	4.47
1/08 through 12/08	4,602,700	0	0	0	0	0	1,351	1,351	0.03
1/09 through 12/09	4,556,508	0	0	1	16,021	0	27,860	43,881	0.96
1/10 through 12/10	4,526,961	0	0	0	0	0	1,907	1,907	0.04
1/11 through 12/11	4,606,051	1	685,664	3	37,300	555,732	58,993	1,337,689	29.04
5 YR. TOTAL	23,608,236	2	689,306	8	203,450	575,792	153,902	1,622,450	6.87
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	3.782	21%	3.091	6.87			
Pure Premium Indicated by National Relativity		42%	1.247	39%	1.338	2.59			
Pure Premium Present on Rate Level		42%	1.439	40%	1.478	2.92			
Pure Premium Derived by Formula		1.733			1.762			3.50	

CLASS 3315		BRASS OR COPPER GOODS MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	10,308,644	2	29,928	4	131,991	69,114	134,000	365,033	3.54
1/08 through 12/08	7,358,650	1	9,758	5	472,782	0	174,596	657,136	8.93
1/09 through 12/09	6,955,142	1	58,370	6	31,891	79,289	66,898	236,448	3.40
1/10 through 12/10	6,204,562	0	0	1	16,034	0	33,602	49,636	0.80
1/11 through 12/11	7,254,349	0	0	2	53,811	0	70,503	124,314	1.71
5 YR. TOTAL	38,081,347	4	98,056	18	706,509	148,403	479,599	1,432,567	3.76
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	2.113	28%	1.649	3.76			
Pure Premium Indicated by National Relativity		39%	1.961	36%	1.498	3.46			
Pure Premium Present on Rate Level		39%	1.914	36%	1.807	3.72			
Pure Premium Derived by Formula		1.976			1.652			3.63	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3334		TIN FOIL MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	14,446,476	2	590,539	9	100,960	225,320	81,874	998,693	6.91
1/08 through 12/08	9,411,447	0	0	4	60,411	0	42,629	103,040	1.10
1/09 through 12/09	10,919,297	2	129,601	2	162,318	46,377	127,603	465,899	4.27
1/10 through 12/10	10,216,257	3	337,382	5	129,816	243,005	114,193	824,396	8.07
1/11 through 12/11	8,387,980	0	0	1	6,527	0	16,163	22,690	0.27
5 YR. TOTAL	53,381,457	7	1,057,522	21	460,032	514,702	382,462	2,414,718	4.52
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		27%	2.843	31%	1.681			4.52	
Pure Premium Indicated by National Relativity		32%	1.501	34%	1.020			2.52	
Pure Premium Present on Rate Level		41%	2.446	35%	1.577			4.02	
Pure Premium Derived by Formula		2.251			1.420		3.67		

CLASS 3336		TYPE FOUNDRY							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	184,990	0	0	0	0	0	0	0	0.00
1/08 through 12/08	590,052	0	0	0	0	0	0	0	0.00
1/09 through 12/09	741,761	0	0	0	0	0	98	98	0.01
1/10 through 12/10	958,198	0	0	0	0	0	0	0	0.00
1/11 through 12/11	589,153	0	0	0	0	0	204	204	0.04
5 YR. TOTAL	3,064,154	0	0	0	0	0	302	302	0.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		7%	0.000	9%	0.010			0.01	
Pure Premium Indicated by National Relativity		46%	1.460	45%	1.488			2.95	
Pure Premium Present on Rate Level		47%	1.315	46%	1.228			2.54	
Pure Premium Derived by Formula		1.290			1.235		2.53		

CLASS 3365		WELDING OR CUTTING NOC & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	19,116,330	4	276,816	15	359,082	209,429	400,175	1,245,502	6.52
1/08 through 12/08	15,768,301	3	464,169	12	266,881	197,012	163,444	1,091,506	6.92
1/09 through 12/09	11,593,367	0	0	5	116,575	0	164,194	280,769	2.42
1/10 through 12/10	13,177,760	0	0	7	183,427	0	424,279	607,706	4.61
1/11 through 12/11	13,410,669	2	154,405	10	383,212	181,101	197,993	916,711	6.84
5 YR. TOTAL	73,066,427	9	895,390	49	1,309,177	587,542	1,350,085	4,142,194	5.67
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		36%	3.017	47%	2.652			5.67	
Pure Premium Indicated by National Relativity		32%	3.536	26%	3.016			6.55	
Pure Premium Present on Rate Level		32%	3.591	27%	3.383			6.97	
Pure Premium Derived by Formula		3.367			2.944		6.31		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3372		ELECTROPLATING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	23,602,640	3	480,488	5	28,920	450,634	94,399	1,054,441	4.47
1/08 through 12/08	21,314,001	0	0	7	409,783	0	327,558	737,341	3.46
1/09 through 12/09	16,203,129	2	207,749	6	274,533	103,673	117,043	702,998	4.34
1/10 through 12/10	18,652,197	3	178,692	4	66,612	231,091	64,906	541,301	2.90
1/11 through 12/11	20,058,343	0	0	5	260,966	0	162,519	423,485	2.11
5 YR. TOTAL	99,830,310	8	866,929	27	1,040,814	785,398	766,425	3,459,566	3.47
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		30%	1.911	42%	1.554	3.47			
Pure Premium Indicated by National Relativity		35%	1.372	29%	1.688	3.06			
Pure Premium Present on Rate Level		35%	1.648	29%	1.829	3.48			
Pure Premium Derived by Formula		1.630			1.673			3.30	

CLASS 3373		GALVANIZING OR TINNING-NOT ELECTROLYTIC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	5,009,969	0	0	3	28,187	0	62,370	90,557	1.81
1/08 through 12/08	4,770,560	0	0	3	76,056	0	59,596	135,652	2.84
1/09 through 12/09	3,999,907	1	137,918	0	0	102,352	8,413	248,683	6.22
1/10 through 12/10	3,958,855	0	0	6	14,162	0	44,617	58,779	1.49
1/11 through 12/11	5,195,072	0	0	2	14,428	0	8,703	23,131	0.45
5 YR. TOTAL	22,934,363	1	137,918	14	132,833	102,352	183,699	556,802	2.43
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	1.181	25%	1.247	2.43			
Pure Premium Indicated by National Relativity		41%	2.195	37%	2.418	4.61			
Pure Premium Present on Rate Level		41%	2.104	38%	2.139	4.24			
Pure Premium Derived by Formula		1.975			2.019			3.99	

CLASS 3383		JEWELRY MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	1,870,649	0	0	1	5,403	0	3,518	8,921	0.48
1/08 through 12/08	1,426,929	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,715,920	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,742,505	0	0	0	0	0	0	0	0.00
1/11 through 12/11	1,474,874	0	0	0	0	0	472	472	0.03
5 YR. TOTAL	8,230,877	0	0	1	5,403	0	3,990	9,393	0.11
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.066	9%	0.048	0.11			
Pure Premium Indicated by National Relativity		46%	0.480	45%	0.567	1.05			
Pure Premium Present on Rate Level		47%	0.468	46%	0.464	0.93			
Pure Premium Derived by Formula		0.445			0.473			0.92	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3385		WATCH MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,814,628	0	0	1	41,312	0	41,126	82,438	4.54
1/08 through 12/08	2,105,623	0	0	0	0	0	386	386	0.02
1/09 through 12/09	1,667,254	0	0	0	0	0	294	294	0.02
1/10 through 12/10	1,249,311	0	0	0	0	0	0	0	0.00
1/11 through 12/11	1,234,031	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	8,070,847	0	0	1	41,312	0	41,806	83,118	1.03
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.512	8%	0.518	1.03			
Pure Premium Indicated by National Relativity		19%	0.338	20%	0.306	0.64			
Pure Premium Present on Rate Level		75%	0.388	72%	0.407	0.80			
Pure Premium Derived by Formula		0.386			0.396			0.78	

CLASS 3400		METAL STAMPED GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	174,868,481	10	853,463	59	1,033,444	1,392,486	1,231,852	4,511,245	2.58
1/08 through 12/08	148,752,554	10	407,379	34	934,319	519,456	1,371,153	3,232,307	2.17
1/09 through 12/09	119,720,751	5	126,601	47	826,953	360,220	1,143,410	2,457,184	2.05
1/10 through 12/10	132,907,209	5	327,979	54	1,396,371	384,932	1,875,520	3,984,802	3.00
1/11 through 12/11	151,912,548	5	643,899	49	1,257,935	639,640	1,566,874	4,108,348	2.70
5 YR. TOTAL	728,161,543	35	2,359,321	243	5,449,022	3,296,734	7,188,809	18,293,886	2.51
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		57%	1.072	84%	1.440	2.51			
Pure Premium Indicated by National Relativity		21%	1.425	8%	1.628	3.05			
Pure Premium Present on Rate Level		22%	1.133	8%	1.432	2.57			
Pure Premium Derived by Formula		1.160			1.454			2.61	

CLASS 3507		CONSTRUCTION OR AGRICULTURAL MACHINERY MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	216,876,247	8	1,478,230	45	1,222,104	1,093,079	1,364,039	5,157,452	2.38
1/08 through 12/08	217,280,854	8	524,617	46	1,305,186	408,891	1,704,484	3,943,178	1.82
1/09 through 12/09	162,884,310	9	660,450	40	962,058	662,399	970,102	3,255,009	2.00
1/10 through 12/10	188,604,327	8	458,239	44	1,138,167	674,293	1,385,784	3,656,483	1.94
1/11 through 12/11	213,359,810	5	842,303	35	469,237	362,924	697,688	2,372,152	1.11
5 YR. TOTAL	999,005,548	38	3,963,839	210	5,096,752	3,201,586	6,122,097	18,384,274	1.84
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		63%	0.907	84%	0.933	1.84			
Pure Premium Indicated by National Relativity		18%	1.392	8%	1.445	2.84			
Pure Premium Present on Rate Level		19%	1.063	8%	1.058	2.12			
Pure Premium Derived by Formula		1.024			0.984			2.01	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3515		TEXTILE MACHINERY MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	21,422,981	1	3,261	4	73,297	2,755	90,066	169,379	0.79
1/08 through 12/08	14,665,739	0	0	2	62,727	0	25,254	87,981	0.60
1/09 through 12/09	13,877,908	0	0	3	29,922	0	73,619	103,541	0.75
1/10 through 12/10	15,013,829	0	0	1	4,812	0	12,845	17,657	0.12
1/11 through 12/11	16,067,471	0	0	6	170,923	0	175,380	346,303	2.16
5 YR. TOTAL	81,047,928	1	3,261	16	341,681	2,755	377,164	724,861	0.90
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	0.426	27%	0.469	0.90			
Pure Premium Indicated by National Relativity		27%	0.727	29%	0.939	1.67			
Pure Premium Present on Rate Level		52%	0.822	44%	0.758	1.58			
Pure Premium Derived by Formula		0.713			0.732			1.45	

CLASS 3516		LOOM HARNESS OR REED MFG.							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,066,925	0	0	0	0	0	0	0	0.00
1/08 through 12/08	896,903	0	0	0	0	0	0	0	0.00
1/09 through 12/09	900,126	0	0	0	0	0	0	0	0.00
1/10 through 12/10	810,867	0	0	0	0	0	0	0	0.00
1/11 through 12/11	732,348	0	0	1	31,341	0	10,067	41,408	5.66
5 YR. TOTAL	4,407,169	0	0	1	31,341	0	10,067	41,408	0.94
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.711	7%	0.228	0.94			
Pure Premium Indicated by National Relativity		13%	0.794	14%	0.823	1.62			
Pure Premium Present on Rate Level		81%	0.614	79%	0.406	1.02			
Pure Premium Derived by Formula		0.643			0.452			1.10	

CLASS 3548		PRINTING OR BOOKBINDING MACHINE MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,243,578	0	0	1	3,824	0	6,532	10,356	0.20
1/08 through 12/08	1,814,863	0	0	0	0	0	1,632	1,632	0.09
1/09 through 12/09	3,711,862	0	0	1	907	0	7,703	8,610	0.23
1/10 through 12/10	2,815,216	0	0	3	38,605	0	73,451	112,056	3.98
1/11 through 12/11	1,703,856	0	0	0	0	0	6,477	6,477	0.38
5 YR. TOTAL	15,289,375	0	0	5	43,336	0	95,795	139,131	0.91
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.283	13%	0.627	0.91			
Pure Premium Indicated by National Relativity		36%	0.537	38%	0.629	1.17			
Pure Premium Present on Rate Level		54%	0.769	49%	0.704	1.47			
Pure Premium Derived by Formula		0.637			0.665			1.30	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3559		CONFECTION MACHINE MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,838,995	0	0	2	10,500	0	9,801	20,301	0.72
1/08 through 12/08	3,609,301	0	0	1	3,686	0	13,125	16,811	0.47
1/09 through 12/09	5,000,243	0	0	1	3,146	0	8,628	11,774	0.24
1/10 through 12/10	4,459,346	0	0	1	653	0	26,640	27,293	0.61
1/11 through 12/11	3,587,591	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	19,495,476	0	0	5	17,985	0	58,194	76,179	0.39
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	0.092	17%	0.299	0.39			
Pure Premium Indicated by National Relativity		43%	1.235	41%	1.323	2.56			
Pure Premium Present on Rate Level		45%	0.844	42%	0.924	1.77			
Pure Premium Derived by Formula		0.922			0.981			1.90	

CLASS 3574		COMPUTING, RECORDING OR OFFICE MACHINE MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	225,465,529	4	355,892	16	185,789	227,351	379,678	1,148,710	0.51
1/08 through 12/08	217,151,375	2	158,649	15	314,092	57,510	252,270	782,521	0.36
1/09 through 12/09	206,402,847	3	131,294	14	356,674	112,626	248,242	848,836	0.41
1/10 through 12/10	180,875,813	1	107,069	13	149,797	22,278	238,335	517,479	0.29
1/11 through 12/11	171,537,809	1	2,970	9	206,987	32,811	341,609	584,377	0.34
5 YR. TOTAL	1,001,433,373	11	755,874	67	1,213,339	452,576	1,460,134	3,881,923	0.39
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	0.197	52%	0.191	0.39			
Pure Premium Indicated by National Relativity		30%	0.499	24%	0.507	1.01			
Pure Premium Present on Rate Level		30%	0.345	24%	0.322	0.67			
Pure Premium Derived by Formula		0.332			0.298			0.63	

CLASS 3581		FUEL INJECTION DEVICE MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	27,790,426	1	2,239	11	389,546	2,695	288,617	683,097	2.46
1/08 through 12/08	19,906,812	1	1,957	6	183,628	2,448	108,278	296,311	1.49
1/09 through 12/09	20,889,807	2	60,407	5	65,973	21,191	45,716	193,287	0.93
1/10 through 12/10	23,406,561	0	0	4	24,856	0	59,790	84,646	0.36
1/11 through 12/11	30,135,204	1	807	5	52,523	18,495	77,884	149,709	0.50
5 YR. TOTAL	122,128,810	5	65,410	31	716,526	44,829	580,285	1,407,050	1.15
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	0.640	31%	0.512	1.15			
Pure Premium Indicated by National Relativity		37%	0.406	34%	0.520	0.93			
Pure Premium Present on Rate Level		38%	0.827	35%	0.704	1.53			
Pure Premium Derived by Formula		0.624			0.582			1.21	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3612		PUMP MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	57,601,576	2	73,911	16	487,127	142,213	390,561	1,093,812	1.90
1/08 through 12/08	85,159,239	8	730,384	23	666,259	479,660	421,835	2,298,138	2.70
1/09 through 12/09	74,453,646	3	327,736	8	484,127	345,068	288,439	1,445,370	1.94
1/10 through 12/10	71,175,224	4	305,084	15	289,032	448,731	519,824	1,562,671	2.20
1/11 through 12/11	77,694,952	2	195,312	12	195,097	83,204	355,975	829,588	1.07
5 YR. TOTAL	366,084,637	19	1,632,427	74	2,121,642	1,498,876	1,976,634	7,229,579	1.97
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		41%	1.025	53%	0.949	1.97			
Pure Premium Indicated by National Relativity		29%	0.960	23%	1.088	2.05			
Pure Premium Present on Rate Level		30%	0.954	24%	0.892	1.85			
Pure Premium Derived by Formula		0.985			0.967			1.95	

CLASS 3620		BOILERMAKING							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	22,078,925	8	936,489	19	556,198	668,319	433,785	2,594,791	11.75
1/08 through 12/08	26,703,847	2	283,995	15	455,790	302,592	656,552	1,698,929	6.36
1/09 through 12/09	20,792,108	1	78,949	6	357,727	0	437,884	874,560	4.21
1/10 through 12/10	24,591,607	3	475,700	7	143,586	638,544	556,653	1,814,483	7.38
1/11 through 12/11	27,184,187	1	26,911	16	330,474	84,765	611,018	1,053,168	3.88
5 YR. TOTAL	121,350,674	15	1,802,044	63	1,843,775	1,694,220	2,695,892	8,035,931	6.62
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		39%	3.004	51%	3.618	6.62			
Pure Premium Indicated by National Relativity		30%	1.604	24%	1.626	3.23			
Pure Premium Present on Rate Level		31%	2.672	25%	2.453	5.13			
Pure Premium Derived by Formula		2.481			2.849			5.33	

CLASS 3629		PRECISION MACHINED PARTS MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	87,160,389	5	1,110,732	23	378,526	876,121	381,851	2,747,230	3.15
1/08 through 12/08	93,995,702	2	47,060	17	365,807	55,945	380,108	848,920	0.90
1/09 through 12/09	82,480,444	1	6,289	18	314,369	6,621	413,442	740,721	0.90
1/10 through 12/10	108,205,515	1	21,488	27	367,089	13,214	711,255	1,113,046	1.03
1/11 through 12/11	115,854,760	4	286,534	35	977,316	259,068	1,118,399	2,641,317	2.28
5 YR. TOTAL	487,696,810	13	1,472,103	120	2,403,107	1,210,969	3,005,055	8,091,234	1.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	0.795	52%	0.864	1.66			
Pure Premium Indicated by National Relativity		30%	0.672	24%	0.713	1.39			
Pure Premium Present on Rate Level		30%	0.699	24%	0.666	1.37			
Pure Premium Derived by Formula		0.729			0.780			1.51	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3632		MACHINE SHOP NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	573,768,240	29	2,053,543	174	4,447,835	1,821,325	4,800,500	13,123,203	2.29
1/08 through 12/08	566,540,698	28	2,656,795	161	3,076,382	2,719,528	3,478,869	11,931,574	2.11
1/09 through 12/09	501,345,665	27	3,132,010	153	3,658,941	2,790,053	4,831,299	14,412,303	2.88
1/10 through 12/10	533,109,951	28	2,850,587	140	5,075,340	4,113,444	4,948,141	16,987,512	3.19
1/11 through 12/11	581,125,051	25	1,632,202	150	4,460,862	1,688,499	5,613,415	13,394,978	2.31
5 YR. TOTAL	2,755,889,605	137	12,325,137	778	20,719,360	13,132,849	23,672,224	69,849,570	2.54
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	1.199	100%	1.336	2.54			
Pure Premium Indicated by National Relativity		0%	1.279	0%	1.336	2.62			
Pure Premium Present on Rate Level		0%	1.257	0%	1.247	2.50			
Pure Premium Derived by Formula		1.199			1.336			2.54	

CLASS 3634		VALVE MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	67,492,313	1	77,135	15	164,497	50,948	236,382	528,962	0.78
1/08 through 12/08	64,081,610	5	654,597	11	587,131	750,386	391,038	2,383,152	3.72
1/09 through 12/09	49,585,083	1	13,957	7	182,660	7,750	123,357	327,724	0.66
1/10 through 12/10	53,592,117	2	50,225	6	59,406	16,415	150,985	277,031	0.52
1/11 through 12/11	56,262,206	1	110,820	6	114,975	89,239	204,656	519,690	0.92
5 YR. TOTAL	291,013,329	10	906,734	45	1,108,669	914,738	1,106,418	4,036,559	1.39
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		34%	0.693	42%	0.695	1.39			
Pure Premium Indicated by National Relativity		33%	0.739	29%	0.732	1.47			
Pure Premium Present on Rate Level		33%	0.749	29%	0.655	1.40			
Pure Premium Derived by Formula		0.727			0.694			1.42	

CLASS 3635		GEAR MFG OR GRINDING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	30,244,780	1	5,282	8	34,065	3,011	133,170	175,528	0.58
1/08 through 12/08	26,121,392	0	0	4	43,207	0	106,597	149,804	0.57
1/09 through 12/09	24,201,128	2	58,005	2	26,757	187,638	66,962	339,362	1.40
1/10 through 12/10	20,910,699	2	79,224	3	280,963	125,596	232,287	718,070	3.43
1/11 through 12/11	19,493,424	2	62,597	6	179,001	34,623	114,472	390,693	2.00
5 YR. TOTAL	120,971,423	7	205,108	23	563,993	350,868	653,488	1,773,457	1.47
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	0.636	35%	0.830	1.47			
Pure Premium Indicated by National Relativity		37%	1.221	32%	1.183	2.40			
Pure Premium Present on Rate Level		38%	0.880	33%	0.947	1.83			
Pure Premium Derived by Formula		0.945			0.982			1.93	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3638		BALL OR ROLLER BEARING MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	83,619,386	4	157,531	15	319,475	167,355	423,674	1,068,035	1.28
1/08 through 12/08	81,451,076	1	125,149	12	139,080	56,917	225,500	546,646	0.67
1/09 through 12/09	64,190,300	3	352,012	10	167,994	233,418	212,237	965,661	1.50
1/10 through 12/10	71,075,216	1	89,510	5	91,156	142,849	161,965	485,480	0.68
1/11 through 12/11	79,365,620	0	0	10	182,471	0	368,095	550,566	0.69
5 YR. TOTAL	379,701,598	9	724,202	52	900,176	600,539	1,391,471	3,616,388	0.95
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	0.428	45%	0.525	0.95			
Pure Premium Indicated by National Relativity		32%	0.657	27%	0.687	1.34			
Pure Premium Present on Rate Level		33%	0.620	28%	0.588	1.21			
Pure Premium Derived by Formula		0.565			0.586			1.15	

CLASS 3642		BATTERY MFG-DRY							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	48,905,934	0	0	6	162,156	0	96,730	258,886	0.53
1/08 through 12/08	30,470,880	0	0	5	273,140	0	193,819	466,959	1.53
1/09 through 12/09	30,166,955	0	0	4	248,506	0	170,595	419,101	1.39
1/10 through 12/10	35,583,702	1	6,001	3	11,396	12,698	37,254	67,349	0.19
1/11 through 12/11	34,192,495	2	200,656	5	62,463	77,729	104,020	444,868	1.30
5 YR. TOTAL	179,319,966	3	206,657	23	757,661	90,427	602,418	1,657,163	0.92
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	0.538	31%	0.386	0.92			
Pure Premium Indicated by National Relativity		33%	0.545	34%	0.649	1.19			
Pure Premium Present on Rate Level		43%	0.507	35%	0.485	0.99			
Pure Premium Derived by Formula		0.527			0.510			1.04	

CLASS 3643		ELECTRIC POWER OR TRANSMISSION EQUIPMENT MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	234,809,219	4	411,379	43	1,046,434	839,817	1,132,041	3,429,671	1.46
1/08 through 12/08	221,816,890	2	107,091	29	1,229,341	63,548	1,229,737	2,629,717	1.19
1/09 through 12/09	129,612,451	14	943,255	18	170,242	893,860	204,477	2,211,834	1.71
1/10 through 12/10	118,676,087	5	87,663	22	652,532	426,338	428,715	1,595,248	1.34
1/11 through 12/11	185,948,249	5	653,891	26	783,565	312,515	727,526	2,477,497	1.33
5 YR. TOTAL	890,862,896	30	2,203,279	138	3,882,114	2,536,078	3,722,496	12,343,967	1.39
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		57%	0.683	71%	0.703	1.39			
Pure Premium Indicated by National Relativity		21%	0.998	14%	0.986	1.98			
Pure Premium Present on Rate Level		22%	0.909	15%	0.770	1.68			
Pure Premium Derived by Formula		0.799			0.753			1.55	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> <b>3647</b>		<b>BATTERY MFG-STORAGE</b>							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	14,724,980	2	273,224	4	28,179	125,710	121,419	548,532	3.73
1/08 through 12/08	13,455,023	1	11,989	3	36,778	2,841	46,976	98,584	0.73
1/09 through 12/09	10,678,642	0	0	3	33,287	0	77,179	110,466	1.04
1/10 through 12/10	9,023,959	0	0	1	35,486	0	37,684	73,170	0.81
1/11 through 12/11	19,944,278	0	0	0	0	0	6,290	6,290	0.03
<b>5 YR. TOTAL</b>	<b>67,826,882</b>	<b>3</b>	<b>285,213</b>	<b>11</b>	<b>133,730</b>	<b>128,551</b>	<b>289,548</b>	<b>837,042</b>	<b>1.23</b>
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	0.618	28%	0.616	1.23			
Pure Premium Indicated by National Relativity		39%	0.918	36%	1.155	2.07			
Pure Premium Present on Rate Level		40%	0.943	36%	0.952	1.90			
Pure Premium Derived by Formula		0.865		0.931		1.80			

<b>CLASS</b> <b>3648</b>		<b>AUTOMOTIVE LIGHTING, IGNITION OR STARTING APPARATUS MFG NOC</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	39,999,289	0	0	7	212,217	0	205,345	417,562	1.04
1/08 through 12/08	45,275,638	4	77,934	11	191,565	38,741	165,686	473,926	1.05
1/09 through 12/09	30,874,964	1	56,675	4	284,363	5,935	276,055	623,028	2.02
1/10 through 12/10	31,701,389	0	0	2	27,337	0	17,015	44,352	0.14
1/11 through 12/11	39,931,138	2	5,439	6	121,009	8,807	329,779	465,034	1.17
<b>5 YR. TOTAL</b>	<b>187,782,418</b>	<b>7</b>	<b>140,048</b>	<b>30</b>	<b>836,491</b>	<b>53,483</b>	<b>993,880</b>	<b>2,023,902</b>	<b>1.08</b>
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		26%	0.520	33%	0.558	1.08			
Pure Premium Indicated by National Relativity		37%	0.601	33%	0.714	1.32			
Pure Premium Present on Rate Level		37%	0.622	34%	0.536	1.16			
Pure Premium Derived by Formula		0.588		0.602		1.19			

<b>CLASS</b> <b>3681</b>		<b>TELEVISION, RADIO, TELEPHONE OR TELECOMMUNICATION DEVICE MFG NOC</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	196,394,454	6	514,425	23	906,089	591,001	804,523	2,816,038	1.43
1/08 through 12/08	188,656,175	3	43,979	19	511,649	84,252	545,138	1,185,018	0.63
1/09 through 12/09	204,992,727	2	380,638	32	345,504	244,463	395,559	1,366,164	0.67
1/10 through 12/10	205,375,596	3	126,581	28	311,209	243,071	472,441	1,153,302	0.56
1/11 through 12/11	222,065,446	6	133,650	17	384,290	83,100	498,990	1,100,030	0.50
<b>5 YR. TOTAL</b>	<b>1,017,484,398</b>	<b>20</b>	<b>1,199,273</b>	<b>119</b>	<b>2,458,741</b>	<b>1,245,887</b>	<b>2,716,651</b>	<b>7,620,552</b>	<b>0.75</b>
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		45%	0.360	60%	0.389	0.75			
Pure Premium Indicated by National Relativity		27%	0.346	20%	0.392	0.74			
Pure Premium Present on Rate Level		28%	0.435	20%	0.449	0.88			
Pure Premium Derived by Formula		0.377		0.402		0.78			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 3685		<b>INSTRUMENT MFG NOC</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	119,905,347	6	213,791	10	385,845	155,725	467,624	1,222,985	1.02
1/08 through 12/08	115,222,089	4	687,630	16	309,979	336,923	291,681	1,626,213	1.41
1/09 through 12/09	142,855,811	5	570,455	32	756,689	295,915	853,520	2,476,579	1.73
1/10 through 12/10	131,587,814	4	214,250	17	232,958	260,527	419,243	1,126,978	0.86
1/11 through 12/11	127,270,812	2	73,044	8	340,302	81,181	277,420	771,947	0.61
5 YR. TOTAL	636,841,873	21	1,759,170	83	2,025,773	1,130,271	2,309,488	7,224,702	1.13
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		38%	0.594	51%	0.540			1.13	
Pure Premium Indicated by National Relativity		31%	0.364	24%	0.449			0.81	
Pure Premium Present on Rate Level		31%	0.477	25%	0.475			0.95	
Pure Premium Derived by Formula		0.486		0.502				0.99	

<b>CLASS</b> 3719		<b>OIL STILL ERECTION OR REPAIR</b>							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,072,417	0	0	0	0	0	0	0	0.00
1/08 through 12/08	5,638,463	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,192,699	0	0	0	0	0	0	0	0.00
1/10 through 12/10	2,763,532	0	0	0	0	0	977	977	0.04
1/11 through 12/11	7,368,248	0	0	0	0	0	797	797	0.01
5 YR. TOTAL	22,035,359	0	0	0	0	0	1,774	1,774	0.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		12%	0.000	14%	0.008			0.01	
Pure Premium Indicated by National Relativity		44%	0.941	43%	0.796			1.74	
Pure Premium Present on Rate Level		44%	0.744	43%	0.553			1.30	
Pure Premium Derived by Formula		0.741		0.581				1.32	

<b>CLASS</b> 3724		<b>MACHINERY OR EQUIPMENT ERECTION OR REPAIR NOC &amp; DRIVERS</b>							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	389,025,940	34	3,981,377	111	4,429,836	4,054,129	3,970,444	16,435,786	4.23
1/08 through 12/08	387,400,869	27	2,669,989	105	3,444,483	2,349,155	3,514,242	11,977,869	3.09
1/09 through 12/09	352,266,956	22	2,719,414	87	3,871,769	2,365,794	3,041,863	11,998,840	3.41
1/10 through 12/10	348,254,181	14	3,069,356	73	2,878,161	1,896,637	2,590,048	10,434,202	3.00
1/11 through 12/11	454,166,842	27	3,084,678	115	6,270,251	3,534,135	4,880,251	17,769,315	3.91
5 YR. TOTAL	1,931,114,788	124	15,524,814	491	20,894,500	14,199,850	17,996,848	68,616,012	3.55
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		100%	1.886	100%	1.667			3.55	
Pure Premium Indicated by National Relativity		0%	2.158	0%	1.957			4.12	
Pure Premium Present on Rate Level		0%	1.963	0%	1.792			3.76	
Pure Premium Derived by Formula		1.886		1.667				3.55	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 3726		<b>BOILER INSTALLATION OR REPAIR-STEAM</b>							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	22,283,870	8	856,912	6	798,696	642,534	851,685	3,149,827	14.14
1/08 through 12/08	25,515,275	1	267,520	1	31,012	372,873	63,066	734,471	2.88
1/09 through 12/09	26,649,932	0	0	5	516,037	0	311,101	827,138	3.10
1/10 through 12/10	29,558,772	3	400,766	6	270,049	308,157	274,382	1,253,354	4.24
1/11 through 12/11	28,444,704	4	196,571	11	761,014	176,687	675,308	1,809,580	6.36
5 YR. TOTAL	132,452,553	16	1,721,769	29	2,376,808	1,500,251	2,175,542	7,774,370	5.87
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		45%	3.094	57%	2.775	5.87			
Pure Premium Indicated by National Relativity		27%	2.068	21%	1.693	3.76			
Pure Premium Present on Rate Level		28%	3.393	22%	3.005	6.40			
Pure Premium Derived by Formula		2.901			2.598			5.50	

<b>CLASS</b> 3803		<b>AUTOMOBILE WHEEL MFG-METAL-NOT CAST</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	118,934	0	0	0	0	0	0	0	0.00
1/08 through 12/08	29,974	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	198,370	0	0	0	0	0	0	0	0.00
1/11 through 12/11	160,817	0	0	0	0	0	152	152	0.10
5 YR. TOTAL	508,095	0	0	0	0	0	152	152	0.03
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	4%	0.030	0.03			
Pure Premium Indicated by National Relativity		30%	1.567	32%	1.244	2.81			
Pure Premium Present on Rate Level		67%	1.053	64%	0.969	2.02			
Pure Premium Derived by Formula		1.176			1.019			2.20	

<b>CLASS</b> 3807		<b>AUTOMOBILE RADIATOR MFG</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	140,167	0	0	0	0	0	0	0	0.00
1/08 through 12/08	6,473,407	0	0	2	15,431	0	14,908	30,339	0.47
1/09 through 12/09	6,850,187	0	0	0	0	0	0	0	0.00
1/10 through 12/10	3,528,387	0	0	1	552	0	6,502	7,054	0.20
1/11 through 12/11	11,068,333	0	0	2	30,163	0	44,068	74,231	0.67
5 YR. TOTAL	28,060,481	0	0	5	46,146	0	65,478	111,624	0.40
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.164	18%	0.233	0.40			
Pure Premium Indicated by National Relativity		43%	1.017	41%	0.833	1.85			
Pure Premium Present on Rate Level		43%	0.804	41%	0.807	1.61			
Pure Premium Derived by Formula		0.806			0.714			1.52	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 3808		<b>AUTOMOBILE MFG OR ASSEMBLY</b>							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	201,417,028	5	669,457	33	1,322,685	297,270	1,019,180	3,308,592	1.64
1/08 through 12/08	169,776,920	2	50,034	17	980,610	32,962	615,016	1,678,622	0.99
1/09 through 12/09	287,228,521	21	1,883,422	97	3,515,012	1,817,940	2,705,897	9,922,271	3.45
1/10 through 12/10	351,536,513	14	1,694,799	122	4,735,842	1,097,530	3,091,775	10,619,946	3.02
1/11 through 12/11	425,565,779	24	2,885,759	159	6,793,098	1,651,244	4,910,216	16,240,317	3.82
5 YR. TOTAL	1,435,524,761	66	7,183,471	428	17,347,247	4,896,946	12,342,084	41,769,748	2.91
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		81%	1.709	95%	1.201	2.91			
Pure Premium Indicated by National Relativity		9%	1.454	2%	1.250	2.70			
Pure Premium Present on Rate Level		10%	1.358	3%	0.997	2.36			
Pure Premium Derived by Formula		1.651			1.196			2.85	

<b>CLASS</b> 3821		<b>AUTOMOBILE RECYCLING &amp; DRIVERS</b>							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	20,733,965	8	722,840	8	164,253	949,487	168,342	2,004,922	9.67
1/08 through 12/08	19,863,655	0	0	11	260,132	0	183,404	443,536	2.23
1/09 through 12/09	19,957,810	2	258,533	13	106,230	70,311	248,761	683,835	3.43
1/10 through 12/10	20,835,524	3	213,217	11	332,160	373,523	394,572	1,313,472	6.30
1/11 through 12/11	20,158,588	0	0	13	370,800	0	381,260	752,060	3.73
5 YR. TOTAL	101,549,542	13	1,194,590	56	1,233,575	1,393,321	1,376,339	5,197,825	5.12
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		37%	2.391	49%	2.727	5.12			
Pure Premium Indicated by National Relativity		31%	2.637	25%	2.907	5.54			
Pure Premium Present on Rate Level		32%	2.621	26%	2.674	5.30			
Pure Premium Derived by Formula		2.541			2.758			5.30	

<b>CLASS</b> 3822		<b>AUTOMOBILE, BUS, TRUCK OR TRAILER BODY MFG: DIE-PRESSED STEEL</b>							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,685,986	0	0	0	0	0	7,945	7,945	0.30
1/08 through 12/08	1,737,999	1	141,319	1	160	52,758	2,102	196,339	11.30
1/09 through 12/09	1,061,583	0	0	0	0	0	7,515	7,515	0.71
1/10 through 12/10	874,691	0	0	0	0	0	880	880	0.10
1/11 through 12/11	493,051	0	0	0	0	0	3,168	3,168	0.64
5 YR. TOTAL	6,853,310	1	141,319	1	160	52,758	21,610	215,847	3.15
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	2.064	14%	1.085	3.15			
Pure Premium Indicated by National Relativity		44%	2.008	43%	2.228	4.24			
Pure Premium Present on Rate Level		44%	2.458	43%	1.890	4.35			
Pure Premium Derived by Formula		2.213			1.923			4.14	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3824		AUTOMOBILE, BUS, TRUCK OR TRAILER BODY MFG: NOC							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	31,532,296	2	156,540	25	703,646	68,929	606,025	1,535,140	4.87
1/08 through 12/08	31,280,076	0	0	12	195,881	0	368,214	564,095	1.80
1/09 through 12/09	25,116,671	1	27,367	6	35,535	42,070	61,137	166,109	0.66
1/10 through 12/10	32,360,326	1	77,161	12	186,308	131,306	300,206	694,981	2.15
1/11 through 12/11	35,354,160	1	97,186	16	533,938	88,696	568,851	1,288,671	3.65
5 YR. TOTAL	155,643,529	5	358,254	71	1,655,308	331,001	1,904,433	4,248,996	2.73
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		37%	1.294	48%	1.436	2.73			
Pure Premium Indicated by National Relativity		31%	2.066	26%	2.276	4.34			
Pure Premium Present on Rate Level		32%	1.773	26%	1.673	3.45			
Pure Premium Derived by Formula		1.687			1.716			3.40	

CLASS 3826		AIRCRAFT ENGINE MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	78,202,857	0	0	7	61,185	0	87,699	148,884	0.19
1/08 through 12/08	90,424,022	1	100,904	8	589,272	40,484	198,649	929,309	1.03
1/09 through 12/09	102,838,587	0	0	6	243,649	0	150,076	393,725	0.38
1/10 through 12/10	107,385,504	0	0	5	394,578	0	182,178	576,756	0.54
1/11 through 12/11	114,340,364	1	197,688	8	262,091	75,940	174,003	709,722	0.62
5 YR. TOTAL	493,191,334	2	298,592	34	1,550,775	116,424	792,605	2,758,396	0.56
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	0.375	40%	0.184	0.56			
Pure Premium Indicated by National Relativity		32%	0.385	30%	0.291	0.68			
Pure Premium Present on Rate Level		32%	0.513	30%	0.330	0.84			
Pure Premium Derived by Formula		0.422			0.260			0.68	

CLASS 3827		AUTOMOBILE ENGINE MFG							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	25,159,548	1	24,912	3	62,998	20,146	104,267	212,323	0.84
1/08 through 12/08	42,606,178	3	352,045	14	37,412	232,534	137,111	759,102	1.78
1/09 through 12/09	31,281,283	3	80,404	2	24,803	97,631	38,462	241,300	0.77
1/10 through 12/10	47,659,331	1	90,889	4	146,482	49,916	165,186	452,473	0.95
1/11 through 12/11	39,814,269	0	0	7	230,434	0	219,392	449,826	1.13
5 YR. TOTAL	186,520,609	8	548,250	30	502,129	400,227	664,418	2,115,024	1.13
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		28%	0.563	38%	0.571	1.13			
Pure Premium Indicated by National Relativity		36%	0.935	31%	1.040	1.98			
Pure Premium Present on Rate Level		36%	0.734	31%	0.768	1.50			
Pure Premium Derived by Formula		0.758			0.777			1.54	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 3830		<b>AIRPLANE MFG</b>							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	6,425,255	1	9,804	2	5,685	17,707	12,670	45,866	0.71
1/08 through 12/08	9,481,349	0	0	0	0	0	2,144	2,144	0.02
1/09 through 12/09	18,104,170	1	87,447	0	0	171,254	16,948	275,649	1.52
1/10 through 12/10	31,222,907	0	0	3	35,616	0	45,470	81,086	0.26
1/11 through 12/11	35,030,350	2	242,423	1	166,020	153,791	59,038	621,272	1.77
<b>5 YR. TOTAL</b>	<b>100,264,031</b>	<b>4</b>	<b>339,674</b>	<b>6</b>	<b>207,321</b>	<b>342,752</b>	<b>136,270</b>	<b>1,026,017</b>	<b>1.02</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	0.546	26%	0.478	1.02			
Pure Premium Indicated by National Relativity		40%	0.520	37%	0.518	1.04			
Pure Premium Present on Rate Level		41%	0.550	37%	0.550	1.10			
Pure Premium Derived by Formula		0.537			0.519			1.06	

<b>CLASS</b> 3851		<b>MOTORCYCLE MFG OR ASSEMBLY</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	1,125,825	0	0	0	0	0	0	0	0.00
1/08 through 12/08	1,205,717	0	0	1	781	0	9,990	10,771	0.89
1/09 through 12/09	1,192,144	0	0	0	0	0	3,396	3,396	0.29
1/10 through 12/10	1,680,909	0	0	0	0	0	0	0	0.00
1/11 through 12/11	848,207	0	0	0	0	0	7,620	7,620	0.90
<b>5 YR. TOTAL</b>	<b>6,052,802</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>781</b>	<b>0</b>	<b>21,006</b>	<b>21,787</b>	<b>0.36</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.013	14%	0.347	0.36			
Pure Premium Indicated by National Relativity		45%	1.804	43%	1.688	3.49			
Pure Premium Present on Rate Level		45%	1.941	43%	2.056	4.00			
Pure Premium Derived by Formula		1.687			1.659			3.35	

<b>CLASS</b> 3865		<b>BABY CARRIAGE MFG</b>							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	249,513	0	0	0	0	0	107	107	0.04
1/08 through 12/08	822,696	0	0	0	0	0	239	239	0.03
1/09 through 12/09	286,834	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,064,583	1	10,330	0	0	108,809	488	119,627	11.24
1/11 through 12/11	420,297	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>2,843,923</b>	<b>1</b>	<b>10,330</b>	<b>0</b>	<b>0</b>	<b>108,809</b>	<b>834</b>	<b>119,973</b>	<b>4.22</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.363	7%	3.855	4.22			
Pure Premium Indicated by National Relativity		24%	0.353	26%	0.850	1.20			
Pure Premium Present on Rate Level		71%	0.736	67%	0.875	1.61			
Pure Premium Derived by Formula		0.625			1.077			1.70	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 3881		CAR MFG-RAILROAD-& DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,830,479	0	0	0	0	0	0	0	0.00
1/08 through 12/08	1,888,274	0	0	0	0	0	295	295	0.02
1/09 through 12/09	2,009,743	1	6,625	3	41,802	49,717	32,476	130,620	6.50
1/10 through 12/10	2,941,853	0	0	1	18,462	0	80,652	99,114	3.37
1/11 through 12/11	3,159,802	0	0	1	51,855	0	13,847	65,702	2.08
5 YR. TOTAL	11,830,151	1	6,625	5	112,119	49,717	127,270	295,731	2.50
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	1.004	17%	1.496	2.50			
Pure Premium Indicated by National Relativity		43%	2.111	41%	1.818	3.93			
Pure Premium Present on Rate Level		44%	1.750	42%	1.628	3.38			
Pure Premium Derived by Formula		1.808			1.683			3.49	

CLASS 4000		SAND OR GRAVEL DIGGING & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	33,273,522	2	62,747	3	184,451	104,194	240,919	592,311	1.78
1/08 through 12/08	29,588,410	1	292,960	5	32,498	324,758	53,195	703,411	2.38
1/09 through 12/09	28,906,772	1	319,303	1	6,647	547,406	66,814	940,170	3.25
1/10 through 12/10	31,167,179	2	253,466	9	153,867	284,822	200,786	892,941	2.87
1/11 through 12/11	32,602,414	0	0	4	969,668	0	410,740	1,380,408	4.23
5 YR. TOTAL	155,538,297	6	928,476	22	1,347,131	1,261,180	972,454	4,509,241	2.90
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		42%	1.463	53%	1.436	2.90			
Pure Premium Indicated by National Relativity		29%	3.274	23%	3.075	6.35			
Pure Premium Present on Rate Level		29%	2.411	24%	2.181	4.59			
Pure Premium Derived by Formula		2.263			1.992			4.26	

CLASS 4021		BRICK OR CLAY PRODUCTS MFG. NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	49,779,905	6	668,650	19	257,464	602,237	430,555	1,958,906	3.94
1/08 through 12/08	36,422,441	2	99,206	16	341,864	154,104	366,572	961,746	2.64
1/09 through 12/09	25,719,768	1	219,767	10	399,555	138,801	367,840	1,125,963	4.38
1/10 through 12/10	26,437,601	0	0	3	75,549	0	182,754	258,303	0.98
1/11 through 12/11	19,587,495	3	344,251	9	467,787	1,028,562	447,497	2,288,097	11.68
5 YR. TOTAL	157,947,210	12	1,331,874	57	1,542,219	1,923,704	1,795,218	6,593,015	4.18
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	1.820	51%	2.355	4.18			
Pure Premium Indicated by National Relativity		30%	2.109	24%	1.828	3.94			
Pure Premium Present on Rate Level		30%	2.074	25%	1.912	3.99			
Pure Premium Derived by Formula		1.983			2.118			4.10	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4024		REFRACTORY PRODUCTS MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	4,328,523	1	7,088	2	30,960	0	17,692	55,740	1.29
1/08 through 12/08	3,227,090	0	0	3	7,364	0	25,227	32,591	1.01
1/09 through 12/09	3,029,614	0	0	2	16,280	0	12,061	28,341	0.94
1/10 through 12/10	3,496,486	0	0	0	0	0	256	256	0.01
1/11 through 12/11	3,683,105	0	0	1	32,163	0	48,829	80,992	2.20
5 YR. TOTAL	17,764,818	1	7,088	8	86,767	0	104,065	197,920	1.11
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	0.528	19%	0.586	1.11			
Pure Premium Indicated by National Relativity		40%	1.488	40%	1.733	3.22			
Pure Premium Present on Rate Level		45%	1.623	41%	1.459	3.08			
Pure Premium Derived by Formula		1.405			1.403			2.81	

CLASS 4034		CONCRETE PRODUCTS MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	60,486,576	4	785,856	38	804,998	548,964	988,641	3,128,459	5.17
1/08 through 12/08	58,567,725	3	379,085	24	883,308	411,500	606,917	2,280,810	3.89
1/09 through 12/09	54,053,198	4	540,251	21	899,536	1,005,275	821,463	3,266,525	6.04
1/10 through 12/10	53,531,626	7	350,236	19	427,667	561,174	674,935	2,014,012	3.76
1/11 through 12/11	56,203,215	4	302,116	27	660,978	242,645	969,028	2,174,767	3.87
5 YR. TOTAL	282,842,340	22	2,357,544	129	3,676,487	2,769,558	4,060,984	12,864,573	4.55
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	2.133	70%	2.415	4.55			
Pure Premium Indicated by National Relativity		23%	2.630	15%	2.688	5.32			
Pure Premium Present on Rate Level		24%	2.390	15%	2.372	4.76			
Pure Premium Derived by Formula		2.309			2.450			4.76	

CLASS 4036		PLASTER BOARD OR PLASTER BLOCK MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	15,626,933	0	0	7	171,584	0	269,945	441,529	2.83
1/08 through 12/08	12,432,083	0	0	5	147,064	0	114,131	261,195	2.10
1/09 through 12/09	9,223,227	1	19,609	1	18,804	19,807	2,767	60,987	0.66
1/10 through 12/10	10,501,268	0	0	2	452,699	0	133,601	586,300	5.58
1/11 through 12/11	11,421,818	1	64,804	1	2,070	14,919	9,813	91,606	0.80
5 YR. TOTAL	59,205,329	2	84,413	16	792,221	34,726	530,257	1,441,617	2.44
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	1.481	26%	0.954	2.44			
Pure Premium Indicated by National Relativity		39%	0.780	37%	0.815	1.60			
Pure Premium Present on Rate Level		40%	1.141	37%	0.940	2.08			
Pure Premium Derived by Formula		1.072			0.897			1.97	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4038		PLASTER STATUARY OR ORNAMENT MFG							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	787,199	0	0	0	0	0	0	0	0.00
1/08 through 12/08	1,041,334	0	0	0	0	0	0	0	0.00
1/09 through 12/09	811,752	0	0	0	0	0	185	185	0.02
1/10 through 12/10	805,030	0	0	1	26,889	0	28,660	55,549	6.90
1/11 through 12/11	945,429	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	4,390,744	0	0	1	26,889	0	28,845	55,734	1.27
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.612	10%	0.657	1.27			
Pure Premium Indicated by National Relativity		28%	0.982	30%	0.974	1.96			
Pure Premium Present on Rate Level		65%	1.127	60%	1.231	2.36			
Pure Premium Derived by Formula		1.050			1.097			2.15	

CLASS 4053		POTTERY MFG: CHINA OR TABLEWARE							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	12,040,655	0	0	0	0	0	14,676	14,676	0.12
1/08 through 12/08	13,675,773	0	0	1	10,287	0	25,265	35,552	0.26
1/09 through 12/09	11,485,785	0	0	5	240,041	0	123,817	363,858	3.17
1/10 through 12/10	9,343,717	0	0	0	0	0	10,027	10,027	0.11
1/11 through 12/11	8,939,627	1	6,841	3	31,191	930	61,768	100,730	1.13
5 YR. TOTAL	55,485,557	1	6,841	9	281,519	930	235,553	524,843	0.95
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	0.520	29%	0.426	0.95			
Pure Premium Indicated by National Relativity		19%	0.674	20%	0.782	1.46			
Pure Premium Present on Rate Level		61%	1.054	51%	1.303	2.36			
Pure Premium Derived by Formula		0.875			0.944			1.82	

CLASS 4061		POTTERY MFG: EARTHENWARE-GLAZED OR PORCELAIN-HAND MOLDED OR CAST							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	480,770	0	0	0	0	0	0	0	0.00
1/08 through 12/08	317,379	0	0	0	0	0	0	0	0.00
1/09 through 12/09	469,629	0	0	0	0	0	0	0	0.00
1/10 through 12/10	571,520	0	0	0	0	0	2,673	2,673	0.47
1/11 through 12/11	638,682	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,477,980	0	0	0	0	0	2,673	2,673	0.11
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.000	9%	0.108	0.11			
Pure Premium Indicated by National Relativity		22%	1.221	23%	1.062	2.28			
Pure Premium Present on Rate Level		71%	1.774	68%	1.386	3.16			
Pure Premium Derived by Formula		1.528			1.196			2.72	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 4062		<b>POTTERY MFG: PORCELAIN WARE-MECHANICAL PRESS FORMING</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	49,544,384	1	24,282	10	285,266	39,807	403,396	752,751	1.52
1/08 through 12/08	46,926,542	0	0	7	391,641	0	221,897	613,538	1.31
1/09 through 12/09	42,435,060	0	0	9	111,746	0	165,740	277,486	0.65
1/10 through 12/10	50,319,316	5	381,226	18	650,113	498,068	653,385	2,182,792	4.34
1/11 through 12/11	55,334,510	0	0	18	875,824	0	686,809	1,562,633	2.82
5 YR. TOTAL	244,559,812	6	405,508	62	2,314,590	537,875	2,131,227	5,389,200	2.20
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		32%	1.112	44%	1.091	2.20			
Pure Premium Indicated by National Relativity		34%	0.769	28%	0.868	1.64			
Pure Premium Present on Rate Level		34%	0.775	28%	0.876	1.65			
Pure Premium Derived by Formula		0.881			0.968			1.85	

<b>CLASS</b> 4101		<b>GLASS MFG-&amp; DRIVERS</b>							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	15,032,734	2	308,052	3	250,848	441,859	127,463	1,128,222	7.51
1/08 through 12/08	23,716,466	2	123,829	5	10,005	23,703	52,077	209,614	0.88
1/09 through 12/09	17,162,769	1	196,251	1	37,161	129,893	43,239	406,544	2.37
1/10 through 12/10	17,304,057	0	0	4	71,660	0	172,333	243,993	1.41
1/11 through 12/11	18,120,968	0	0	2	70,124	0	193,386	263,510	1.45
5 YR. TOTAL	91,336,994	5	628,132	15	439,798	595,455	588,498	2,251,883	2.47
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	1.169	34%	1.296	2.47			
Pure Premium Indicated by National Relativity		37%	1.284	33%	1.355	2.64			
Pure Premium Present on Rate Level		38%	1.178	33%	1.179	2.36			
Pure Premium Derived by Formula		1.215			1.277			2.49	

<b>CLASS</b> 4109		<b>INTEGRATED CIRCUIT MFG.</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	107,799,359	0	0	4	116,851	0	183,077	299,928	0.28
5 YR. TOTAL	107,799,359	0	0	4	116,851	0	183,077	299,928	0.28
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	0.108	20%	0.170	0.28			
Pure Premium Indicated by National Relativity		8%	0.122	8%	0.134	0.26			
Pure Premium Present on Rate Level		77%	0.267	72%	0.273	0.54			
Pure Premium Derived by Formula		0.232			0.241			0.47	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4110		ELECTRIC BULB MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	4,409,322	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	4,409,322	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.000	7%	0.000	0.00			
Pure Premium Indicated by National Relativity		6%	0.060	6%	0.212	0.27			
Pure Premium Present on Rate Level		88%	0.662	87%	0.535	1.20			
Pure Premium Derived by Formula		0.586			0.478			1.06	

CLASS 4111		GLASSWARE MFG-NO AUTOMATIC BLOWING MACHINES							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	45,968,684	0	0	9	401,944	0	348,087	750,031	1.63
1/08 through 12/08	53,472,009	0	0	4	83,527	0	78,566	162,093	0.30
1/09 through 12/09	53,551,943	1	34,334	3	465,063	0	225,308	724,705	1.35
1/10 through 12/10	56,146,796	0	0	0	0	0	29,325	29,325	0.05
1/11 through 12/11	53,997,754	1	10,796	0	0	28,140	21,938	60,874	0.11
5 YR. TOTAL	263,137,186	2	45,130	16	950,534	28,140	703,224	1,727,028	0.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		34%	0.378	39%	0.278	0.66			
Pure Premium Indicated by National Relativity		33%	1.063	30%	1.014	2.08			
Pure Premium Present on Rate Level		33%	0.881	31%	0.600	1.48			
Pure Premium Derived by Formula		0.770			0.599			1.37	

CLASS 4112 ++		INCANDESCENT LAMP MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	12,117,622	0	0	2	17,981	0	42,241	60,222	0.50
1/08 through 12/08	13,647,557	0	0	0	0	0	11,642	11,642	0.09
1/09 through 12/09	11,516,101	0	0	1	1,156	0	4,255	5,411	0.05
1/10 through 12/10	12,613,022	0	0	0	0	0	2,066	2,066	0.02
1/11 through 12/11	3,122,734	0	0	0	0	0	110	110	0.00
5 YR. TOTAL	53,017,036	0	0	3	19,137	0	60,314	79,451	0.15
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	0.036	20%	0.114	0.15			
Pure Premium Indicated by National Relativity		42%	0.401	40%	0.375	0.78			
Pure Premium Present on Rate Level		42%	0.662	40%	0.535	1.20			
Pure Premium Derived by Formula		0.452			0.387			0.84	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4113		GLASS MFG-CUT							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	15,510,356	0	0	0	0	0	12,921	12,921	0.08
1/08 through 12/08	14,035,183	1	101,346	2	43,360	9,617	52,792	207,115	1.48
1/09 through 12/09	11,156,019	0	0	1	4,641	0	52,805	57,446	0.52
1/10 through 12/10	1,622,896	0	0	0	0	0	4,731	4,731	0.29
1/11 through 12/11	1,705,015	0	0	1	10,034	0	8,173	18,207	1.07
5 YR. TOTAL	44,029,469	1	101,346	4	58,035	9,617	131,422	300,420	0.68
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	0.362	20%	0.320	0.68			
Pure Premium Indicated by National Relativity		17%	1.976	18%	1.370	3.35			
Pure Premium Present on Rate Level		66%	0.951	62%	0.659	1.61			
Pure Premium Derived by Formula		1.025			0.719			1.74	

CLASS 4114		GLASSWARE MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	49,891,504	10	1,272,502	23	583,524	617,290	372,465	2,845,781	5.70
1/08 through 12/08	47,291,245	7	1,126,532	15	342,493	381,798	395,900	2,246,723	4.75
1/09 through 12/09	48,219,229	4	381,845	17	460,054	472,342	530,469	1,844,710	3.83
1/10 through 12/10	31,620,086	0	0	15	377,145	0	345,257	722,402	2.29
1/11 through 12/11	57,728,799	5	226,673	16	347,875	153,258	327,089	1,054,895	1.83
5 YR. TOTAL	234,750,863	26	3,007,552	86	2,111,091	1,624,688	1,971,180	8,714,511	3.71
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		54%	2.180	62%	1.532	3.71			
Pure Premium Indicated by National Relativity		23%	0.990	19%	1.055	2.05			
Pure Premium Present on Rate Level		23%	3.094	19%	2.096	5.19			
Pure Premium Derived by Formula		2.117			1.549			3.67	

CLASS 4130		GLASS MERCHANT							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	23,932,508	5	386,043	8	154,670	363,950	279,995	1,184,658	4.95
1/08 through 12/08	22,719,377	4	438,419	3	33,578	297,129	108,175	877,301	3.86
1/09 through 12/09	22,144,429	1	36,893	6	228,595	57,589	270,297	593,374	2.68
1/10 through 12/10	21,538,119	1	5,096	5	230,810	14,694	227,091	477,691	2.22
1/11 through 12/11	22,583,487	0	0	5	115,713	0	183,277	298,990	1.32
5 YR. TOTAL	112,917,920	11	866,451	27	763,366	733,362	1,068,835	3,432,014	3.04
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		31%	1.443	43%	1.596	3.04			
Pure Premium Indicated by National Relativity		34%	1.595	28%	1.798	3.39			
Pure Premium Present on Rate Level		35%	1.585	29%	1.734	3.32			
Pure Premium Derived by Formula		1.544			1.693			3.24	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4131		MIRROR MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	6,451,554	2	392,305	5	36,508	304,377	48,538	781,728	12.12
1/08 through 12/08	5,073,658	1	150,711	2	625	200,656	13,341	365,333	7.20
1/09 through 12/09	4,495,717	0	0	3	27,890	0	19,189	47,079	1.05
1/10 through 12/10	4,509,980	0	0	3	8,611	0	19,657	28,268	0.63
1/11 through 12/11	2,840,883	0	0	4	71,073	0	106,698	177,771	6.26
5 YR. TOTAL	23,371,792	3	543,016	17	144,707	505,033	207,423	1,400,179	5.99
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		18%	2.943	24%		3.048		5.99	
Pure Premium Indicated by National Relativity		27%	1.002	28%		1.330		2.33	
Pure Premium Present on Rate Level		55%	1.890	48%		1.939		3.83	
Pure Premium Derived by Formula			1.840			2.035		3.88	

CLASS 4133		CATHEDRAL OR ART GLASS WINDOW MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,346,823	0	0	0	0	0	1,482	1,482	0.06
1/08 through 12/08	2,215,713	0	0	0	0	0	705	705	0.03
1/09 through 12/09	1,774,314	0	0	0	0	0	112	112	0.01
1/10 through 12/10	4,186,046	0	0	0	0	0	1,222	1,222	0.03
1/11 through 12/11	3,965,342	0	0	0	0	0	503	503	0.01
5 YR. TOTAL	14,488,238	0	0	0	0	0	4,024	4,024	0.03
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		11%	0.000	18%		0.028		0.03	
Pure Premium Indicated by National Relativity		21%	0.932	22%		0.871		1.80	
Pure Premium Present on Rate Level		68%	0.864	60%		1.565		2.43	
Pure Premium Derived by Formula			0.783			1.136		1.92	

CLASS 4149		OPTICAL GOODS MFG. NOC							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	69,311,294	0	0	3	73,998	0	66,030	140,028	0.20
5 YR. TOTAL	69,311,294	0	0	3	73,998	0	66,030	140,028	0.20
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		12%	0.107	16%		0.095		0.20	
Pure Premium Indicated by National Relativity		17%	0.109	18%		0.183		0.29	
Pure Premium Present on Rate Level		71%	0.240	66%		0.251		0.49	
Pure Premium Derived by Formula			0.202			0.214		0.42	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4150 ++		OPTICAL GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	141,639,377	3	265,289	7	125,723	233,036	98,583	722,631	0.51
1/08 through 12/08	149,615,563	0	0	8	94,979	0	158,507	253,486	0.17
1/09 through 12/09	146,812,579	2	36,078	15	315,529	56,911	272,274	680,792	0.46
1/10 through 12/10	184,592,836	3	441,881	13	334,307	155,441	394,401	1,326,030	0.72
1/11 through 12/11	10,034,396	1	26,043	1	1,743	16,011	18,567	62,364	0.62
5 YR. TOTAL	632,694,751	9	769,291	44	872,281	461,399	942,332	3,045,303	0.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		29%	0.259	39%	0.222	0.48			
Pure Premium Indicated by National Relativity		35%	0.326	30%	0.351	0.68			
Pure Premium Present on Rate Level		36%	0.240	31%	0.251	0.49			
Pure Premium Derived by Formula		0.276			0.270			0.55	

CLASS 4206		PULP MFG-GROUND WOOD PROCESS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,297,753	0	0	2	21,814	0	27,249	49,063	1.14
1/08 through 12/08	3,770,314	0	0	2	87,151	0	20,467	107,618	2.86
1/09 through 12/09	3,550,456	0	0	1	80,957	0	49,651	130,608	3.68
1/10 through 12/10	3,282,796	0	0	0	0	0	20,282	20,282	0.62
1/11 through 12/11	3,565,611	0	0	0	0	0	1,741	1,741	0.05
5 YR. TOTAL	18,466,930	0	0	5	189,922	0	119,390	309,312	1.68
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	1.028	18%	0.647	1.68			
Pure Premium Indicated by National Relativity		31%	1.186	33%	1.602	2.79			
Pure Premium Present on Rate Level		55%	1.248	49%	1.246	2.49			
Pure Premium Derived by Formula		1.198			1.256			2.45	

CLASS 4207		PULP MFG-CHEMICAL PROCESS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	34,388,931	0	0	3	21,683	0	39,911	61,594	0.18
1/08 through 12/08	22,516,027	1	212,735	1	24,714	79,356	16,060	332,865	1.48
1/09 through 12/09	32,358,182	2	352,520	1	3,238	225,968	29,112	610,838	1.89
1/10 through 12/10	34,702,922	0	0	3	65,505	0	109,077	174,582	0.50
1/11 through 12/11	37,398,775	0	0	3	96,330	0	75,603	171,933	0.46
5 YR. TOTAL	161,364,837	3	565,255	11	211,470	305,324	269,763	1,351,812	0.84
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	0.481	29%	0.356	0.84			
Pure Premium Indicated by National Relativity		38%	0.906	35%	0.632	1.54			
Pure Premium Present on Rate Level		38%	0.611	36%	0.449	1.06			
Pure Premium Derived by Formula		0.692			0.486			1.18	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 4239		<b>PAPER MFG</b>							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	137,381,579	7	660,292	32	492,341	542,139	615,910	2,310,682	1.68
1/08 through 12/08	150,388,371	9	1,625,868	37	2,617,548	1,142,509	1,616,694	7,002,619	4.66
1/09 through 12/09	116,066,479	11	941,723	17	1,380,946	831,820	844,124	3,998,613	3.45
1/10 through 12/10	117,760,055	8	656,013	15	675,505	453,932	587,549	2,372,999	2.02
1/11 through 12/11	127,189,430	7	388,469	17	661,660	384,727	683,245	2,118,101	1.67
5 YR. TOTAL	648,785,914	42	4,272,365	118	5,828,000	3,355,127	4,347,522	17,803,014	2.74
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		59%	1.557	73%	1.187	2.74			
Pure Premium Indicated by National Relativity		20%	1.111	13%	0.896	2.01			
Pure Premium Present on Rate Level		21%	1.364	14%	1.129	2.49			
Pure Premium Derived by Formula		1.427			1.141			2.57	

<b>CLASS</b> 4240		<b>BOX MFG-SET-UP PAPER</b>							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	10,124,898	0	0	1	143,052	0	59,338	202,390	2.00
1/08 through 12/08	5,176,390	0	0	0	0	0	246	246	0.01
1/09 through 12/09	1,770,280	1	49,446	2	12,134	25,538	54,629	141,747	8.01
1/10 through 12/10	1,741,696	0	0	3	5,643	0	9,260	14,903	0.86
1/11 through 12/11	7,212,467	0	0	1	2,608	0	23,706	26,314	0.37
5 YR. TOTAL	26,025,731	1	49,446	7	163,437	25,538	147,179	385,600	1.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	0.818	19%	0.664	1.48			
Pure Premium Indicated by National Relativity		37%	0.834	39%	0.990	1.82			
Pure Premium Present on Rate Level		47%	1.211	42%	1.027	2.24			
Pure Premium Derived by Formula		1.009			0.944			1.95	

<b>CLASS</b> 4243		<b>BOX MFG-FOLDING PAPER-NOC</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	151,335,232	3	217,594	48	440,644	192,633	666,184	1,517,055	1.00
1/08 through 12/08	175,155,408	11	825,452	33	856,370	985,723	974,058	3,641,603	2.08
1/09 through 12/09	169,421,843	3	135,939	35	540,347	95,488	707,206	1,478,980	0.87
1/10 through 12/10	176,948,667	4	181,046	41	1,505,757	389,896	1,172,837	3,249,536	1.84
1/11 through 12/11	184,971,154	7	521,162	38	941,520	238,814	1,058,011	2,759,507	1.49
5 YR. TOTAL	857,832,304	28	1,881,193	195	4,284,638	1,902,554	4,578,296	12,646,681	1.47
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	0.719	69%	0.755	1.47			
Pure Premium Indicated by National Relativity		23%	0.972	15%	1.025	2.00			
Pure Premium Present on Rate Level		24%	0.800	16%	0.761	1.56			
Pure Premium Derived by Formula		0.797			0.796			1.59	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4244		CORRUGATED OR FIBER BOARD CONTAINER MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	98,601,587	3	83,097	22	526,566	15,304	691,417	1,316,384	1.34
1/08 through 12/08	101,301,018	1	15,426	20	329,459	12,870	457,507	815,262	0.80
1/09 through 12/09	109,288,413	8	856,651	23	482,524	705,849	574,302	2,619,326	2.40
1/10 through 12/10	115,370,946	4	131,552	11	513,145	124,732	375,997	1,145,426	0.99
1/11 through 12/11	124,607,217	5	289,048	23	684,200	213,529	715,342	1,902,119	1.53
5 YR. TOTAL	549,169,181	21	1,375,774	99	2,535,894	1,072,284	2,814,565	7,798,517	1.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		47%	0.712	60%	0.708	1.42			
Pure Premium Indicated by National Relativity		26%	1.081	20%	1.159	2.24			
Pure Premium Present on Rate Level		27%	0.896	20%	0.822	1.72			
Pure Premium Derived by Formula		0.858			0.821			1.68	

CLASS 4250		PAPER COATING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	82,733,706	5	471,744	13	179,573	439,161	270,389	1,360,867	1.65
1/08 through 12/08	87,345,742	3	149,668	26	521,692	106,638	635,290	1,413,288	1.62
1/09 through 12/09	99,966,660	5	635,138	13	289,575	338,993	337,149	1,600,855	1.60
1/10 through 12/10	104,692,004	4	686,942	28	1,024,247	246,047	624,125	2,581,361	2.47
1/11 through 12/11	97,174,947	7	328,716	27	686,439	244,529	565,508	1,825,192	1.88
5 YR. TOTAL	471,913,059	24	2,272,208	107	2,701,526	1,375,368	2,432,461	8,781,563	1.86
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	1.054	50%	0.807	1.86			
Pure Premium Indicated by National Relativity		30%	0.780	25%	0.766	1.55			
Pure Premium Present on Rate Level		30%	0.701	25%	0.614	1.32			
Pure Premium Derived by Formula		0.866			0.749			1.62	

CLASS 4251		STATIONERY MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	26,373,562	0	0	2	36,735	0	24,423	61,158	0.23
1/08 through 12/08	20,271,539	0	0	6	90,426	0	113,450	203,876	1.01
1/09 through 12/09	21,859,477	1	84,366	6	34,210	72,346	99,630	290,552	1.33
1/10 through 12/10	21,258,908	0	0	5	38,441	0	52,809	91,250	0.43
1/11 through 12/11	21,848,097	1	59,325	6	90,639	169,819	94,359	414,142	1.90
5 YR. TOTAL	111,611,583	2	143,691	25	290,451	242,165	384,671	1,060,978	0.95
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	0.389	32%	0.562	0.95			
Pure Premium Indicated by National Relativity		38%	1.285	34%	1.372	2.66			
Pure Premium Present on Rate Level		38%	0.873	34%	0.835	1.71			
Pure Premium Derived by Formula		0.913			0.930			1.84	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4263		FIBER GOODS MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	15,408,580	1	4,128	4	93,317	0	219,220	316,665	2.06
1/08 through 12/08	10,680,087	1	32,984	4	93,104	64,881	212,895	403,864	3.78
1/09 through 12/09	8,741,748	2	69,422	6	146,900	38,797	652,411	907,530	10.38
1/10 through 12/10	11,220,073	1	28,510	5	303,131	20,787	403,950	756,378	6.74
1/11 through 12/11	15,176,520	0	0	5	111,797	0	138,785	250,582	1.65
5 YR. TOTAL	61,227,008	5	135,044	24	748,249	124,465	1,627,261	2,635,019	4.30
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	1.443	36%	2.861	4.30			
Pure Premium Indicated by National Relativity		39%	0.902	32%	0.953	1.86			
Pure Premium Present on Rate Level		39%	1.206	32%	2.018	3.22			
Pure Premium Derived by Formula		1.140			1.981			3.12	

CLASS 4273		BAG MFG. - PLASTIC OR PAPER							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	25,959,619	4	145,498	3	47,398	177,227	95,077	465,200	1.79
1/08 through 12/08	25,921,031	3	233,321	2	22,023	418,534	37,972	711,850	2.75
1/09 through 12/09	29,566,035	1	53,628	6	182,382	34,553	139,883	410,446	1.39
1/10 through 12/10	29,546,300	0	0	11	415,688	0	197,821	613,509	2.08
1/11 through 12/11	29,903,773	5	577,472	5	230,888	431,918	153,257	1,393,535	4.66
5 YR. TOTAL	140,896,758	13	1,009,919	27	898,379	1,062,232	624,010	3,594,540	2.55
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		29%	1.354	39%	1.197	2.55			
Pure Premium Indicated by National Relativity		35%	0.964	30%	1.112	2.08			
Pure Premium Present on Rate Level		36%	1.031	31%	1.110	2.14			
Pure Premium Derived by Formula		1.101			1.145			2.25	

CLASS 4279		PAPER GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	87,806,731	4	455,022	26	360,479	645,474	520,407	1,981,382	2.26
1/08 through 12/08	89,555,262	3	245,328	22	253,818	140,383	417,446	1,056,975	1.18
1/09 through 12/09	94,046,523	4	233,321	19	654,991	926,073	715,371	2,529,756	2.69
1/10 through 12/10	101,611,561	2	10,800	23	436,859	3,553	581,860	1,033,073	1.02
1/11 through 12/11	109,435,314	3	507,656	21	720,121	478,050	843,246	2,549,072	2.33
5 YR. TOTAL	482,455,391	16	1,452,127	111	2,426,268	2,193,533	3,078,330	9,150,258	1.90
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		43%	0.804	63%	1.093	1.90			
Pure Premium Indicated by National Relativity		28%	1.077	18%	1.143	2.22			
Pure Premium Present on Rate Level		29%	0.854	19%	1.072	1.93			
Pure Premium Derived by Formula		0.895			1.098			1.99	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4282		DRESS PATTERN MFG-PAPER							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	790,433	0	0	2	23,056	0	22,020	45,076	5.70
1/08 through 12/08	25,337	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	2,175	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	817,945	0	0	2	23,056	0	22,020	45,076	5.51
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	2.819	4%	2.692	5.51			
Pure Premium Indicated by National Relativity		13%	0.254	14%	0.552	0.81			
Pure Premium Present on Rate Level		83%	1.641	82%	0.791	2.43			
Pure Premium Derived by Formula		1.508			0.834			2.34	

CLASS 4283		BUILDING OR ROOFING PAPER OR FELT PREPARATION-NO INSTALLATION							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,121,120	0	0	0	0	0	0	0	0.00
1/08 through 12/08	1,895,434	0	0	0	0	0	322	322	0.02
1/09 through 12/09	1,989,898	0	0	0	0	0	1,390	1,390	0.07
1/10 through 12/10	3,350,080	0	0	0	0	0	14,185	14,185	0.42
1/11 through 12/11	2,695,637	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	11,052,169	0	0	0	0	0	15,897	15,897	0.14
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.000	16%	0.144	0.14			
Pure Premium Indicated by National Relativity		38%	0.806	40%	0.806	1.61			
Pure Premium Present on Rate Level		51%	1.216	44%	1.486	2.70			
Pure Premium Derived by Formula		0.926			0.999			1.93	

CLASS 4299		PRINTING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	331,348,676	16	1,439,545	64	2,871,829	1,340,326	2,064,451	7,716,151	2.33
1/08 through 12/08	281,906,617	6	579,326	67	1,722,660	728,676	1,699,545	4,730,207	1.68
1/09 through 12/09	248,664,411	9	294,668	67	1,652,067	199,254	1,640,431	3,786,420	1.52
1/10 through 12/10	251,023,161	12	1,223,985	58	944,011	969,398	1,229,274	4,366,668	1.74
1/11 through 12/11	257,302,323	11	666,755	34	866,514	518,750	1,374,241	3,426,260	1.33
5 YR. TOTAL	1,370,245,188	54	4,204,279	290	8,057,081	3,756,404	8,007,942	24,025,706	1.75
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		69%	0.895	87%	0.859	1.75			
Pure Premium Indicated by National Relativity		15%	0.864	6%	0.942	1.81			
Pure Premium Present on Rate Level		16%	0.943	7%	0.844	1.79			
Pure Premium Derived by Formula		0.898			0.863			1.76	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4301		WALLPAPER MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	0.664	100%	0.366	1.03			
Pure Premium Derived by Formula		0.664			0.366			1.03	

CLASS 4304		NEWSPAPER PUBLISHING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	55,303,449	5	373,916	31	700,144	312,233	889,282	2,275,575	4.12
1/08 through 12/08	52,432,933	5	348,096	17	139,344	162,145	301,023	950,608	1.81
1/09 through 12/09	39,631,568	3	336,781	23	783,216	171,189	577,562	1,868,748	4.72
1/10 through 12/10	42,657,857	4	46,765	25	1,021,162	160,307	900,828	2,129,062	4.99
1/11 through 12/11	29,139,112	4	216,244	2	32,689	689,079	96,507	1,034,519	3.55
5 YR. TOTAL	219,164,919	21	1,321,802	98	2,676,555	1,494,953	2,765,202	8,258,512	3.77
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		42%	1.824	58%	1.944	3.77			
Pure Premium Indicated by National Relativity		29%	1.554	21%	1.799	3.35			
Pure Premium Present on Rate Level		29%	1.687	21%	1.868	3.56			
Pure Premium Derived by Formula		1.706			1.898			3.60	

CLASS 4307		BOOKBINDING							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,134,086	0	0	1	4,593	0	5,561	10,154	0.20
1/08 through 12/08	4,297,979	0	0	1	25,185	0	27,497	52,682	1.23
1/09 through 12/09	3,461,193	0	0	1	12,192	0	2,933	15,125	0.44
1/10 through 12/10	2,805,749	0	0	2	5,533	0	14,408	19,941	0.71
1/11 through 12/11	2,612,919	0	0	0	0	0	671	671	0.03
5 YR. TOTAL	18,311,926	0	0	5	47,503	0	51,070	98,573	0.54
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.259	14%	0.279	0.54			
Pure Premium Indicated by National Relativity		44%	0.861	43%	0.879	1.74			
Pure Premium Present on Rate Level		45%	0.675	43%	0.670	1.35			
Pure Premium Derived by Formula		0.711			0.705			1.42	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4351		PHOTOENGRAVING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,108,602	0	0	0	0	0	2,864	2,864	0.07
1/08 through 12/08	4,028,749	0	0	2	390,762	0	81,411	472,173	11.72
1/09 through 12/09	3,059,082	0	0	0	0	0	2,507	2,507	0.08
1/10 through 12/10	3,425,484	0	0	0	0	0	16,708	16,708	0.49
1/11 through 12/11	2,818,432	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	17,440,349	0	0	2	390,762	0	103,490	494,252	2.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	2.241	12%	0.593	2.83			
Pure Premium Indicated by National Relativity		24%	0.200	26%	0.353	0.55			
Pure Premium Present on Rate Level		66%	0.611	62%	0.429	1.04			
Pure Premium Derived by Formula		0.675			0.429			1.10	

CLASS 4352		ENGRAVING							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,943,572	0	0	0	0	0	1,138	1,138	0.02
1/08 through 12/08	4,364,109	1	8,470	1	9,358	67,472	35,384	120,684	2.77
1/09 through 12/09	3,812,127	0	0	1	3,643	0	8,757	12,400	0.33
1/10 through 12/10	3,946,690	0	0	0	0	0	3,556	3,556	0.09
1/11 through 12/11	4,192,042	0	0	3	22,577	0	15,919	38,496	0.92
5 YR. TOTAL	21,258,540	1	8,470	5	35,578	67,472	64,754	176,274	0.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.207	15%	0.622	0.83			
Pure Premium Indicated by National Relativity		32%	0.642	34%	0.726	1.37			
Pure Premium Present on Rate Level		58%	0.458	51%	0.633	1.09			
Pure Premium Derived by Formula		0.492			0.663			1.16	

CLASS 4360		MOTION PICTURE: DEVELOPMENT OF NEGATIVES, PRINTING AND ALL SUBSEQUENT OPERATIONS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,730,781	0	0	0	0	0	3,574	3,574	0.13
1/08 through 12/08	3,303,050	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,393,566	0	0	0	0	0	396	396	0.03
1/10 through 12/10	1,814,657	1	72,640	0	0	113,663	3,961	190,264	10.49
1/11 through 12/11	2,191,823	1	670	0	0	14,401	0	15,071	0.69
5 YR. TOTAL	11,433,877	2	73,310	0	0	128,064	7,931	209,305	1.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.641	11%	1.189	1.83			
Pure Premium Indicated by National Relativity		26%	0.327	27%	0.300	0.63			
Pure Premium Present on Rate Level		64%	0.818	62%	0.615	1.43			
Pure Premium Derived by Formula		0.673			0.593			1.27	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4361		PHOTOGRAPHER-ALL EMPLOYEES & CLERICAL, SALESPERSONS, DRIVERS							
Industry Group: Office and Clerical Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	99,603,970	3	182,749	10	121,552	150,071	141,088	595,460	0.60
1/08 through 12/08	84,696,803	6	221,236	13	360,235	214,992	283,819	1,080,282	1.28
1/09 through 12/09	74,246,150	3	257,433	10	109,666	236,015	206,868	809,982	1.09
1/10 through 12/10	81,390,854	3	330,436	12	123,115	82,881	273,351	809,783	1.00
1/11 through 12/11	76,843,601	1	33,309	6	40,571	29,449	101,316	204,645	0.27
5 YR. TOTAL	416,781,378	16	1,025,163	51	755,139	713,408	1,006,442	3,500,152	0.84
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		34%	0.427	46%	0.413	0.84			
Pure Premium Indicated by National Relativity		33%	0.445	27%	0.581	1.03			
Pure Premium Present on Rate Level		33%	0.523	27%	0.534	1.06			
Pure Premium Derived by Formula		0.465			0.491			0.96	

CLASS 4410		RUBBER GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	146,134,391	13	596,176	51	2,058,545	332,107	1,333,791	4,320,619	2.96
1/08 through 12/08	141,622,459	14	871,726	50	871,714	994,793	927,712	3,665,945	2.59
1/09 through 12/09	110,437,067	10	833,209	43	1,189,001	1,672,665	1,359,133	5,054,008	4.58
1/10 through 12/10	123,135,569	6	614,457	34	771,154	816,147	945,431	3,147,189	2.56
1/11 through 12/11	143,069,407	9	1,108,316	54	978,215	1,189,011	990,840	4,266,382	2.98
5 YR. TOTAL	664,398,893	52	4,023,884	232	5,868,629	5,004,723	5,556,907	20,454,143	3.08
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		63%	1.489	81%	1.590	3.08			
Pure Premium Indicated by National Relativity		18%	1.480	9%	1.556	3.04			
Pure Premium Present on Rate Level		19%	1.548	10%	1.446	2.99			
Pure Premium Derived by Formula		1.499			1.573			3.07	

CLASS 4417		BOOT OR SHOE MFG-RUBBER							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		9%	0.145	10%	0.105	0.25			
Pure Premium Present on Rate Level		91%	1.221	90%	0.880	2.10			
Pure Premium Derived by Formula		1.124			0.803			1.93	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4420		RUBBER TIRE MFG							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	291,445,068	38	5,659,478	134	8,139,485	4,161,149	5,808,416	23,768,528	8.16
1/08 through 12/08	290,972,879	35	7,242,043	124	7,439,228	5,914,368	4,621,970	25,217,609	8.67
1/09 through 12/09	285,171,122	20	2,736,310	124	7,685,093	2,056,506	4,319,912	16,797,821	5.89
1/10 through 12/10	293,996,359	29	4,833,482	113	5,863,239	3,718,076	4,866,934	19,281,731	6.56
1/11 through 12/11	313,239,131	33	5,561,043	114	6,625,611	3,016,134	4,746,826	19,949,614	6.37
5 YR. TOTAL	1,474,824,559	155	26,032,356	609	35,752,656	18,866,233	24,364,058	105,015,303	7.12
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		100%	4.189	100%	2.931			7.12	
Pure Premium Indicated by National Relativity		0%	2.100	0%	1.345			3.45	
Pure Premium Present on Rate Level		0%	4.063	0%	2.885			6.95	
Pure Premium Derived by Formula			4.189		2.931			7.12	

CLASS 4431		MAGNETIC AND OPTICAL RECORDING MEDIA MFG.							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	49,079,689	0	0	10	257,814	0	215,171	472,985	0.96
1/08 through 12/08	34,941,171	1	28,601	4	23,343	36,974	89,774	178,692	0.51
1/09 through 12/09	17,642,469	1	67,512	2	4,557	155,104	14,584	241,757	1.37
1/10 through 12/10	11,163,495	1	20,930	1	19,026	97,835	21,238	159,029	1.43
1/11 through 12/11	19,011,896	0	0	1	10,461	0	10,501	20,962	0.11
5 YR. TOTAL	131,838,720	3	117,043	18	315,201	289,913	351,268	1,073,425	0.81
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		22%	0.328	30%	0.486			0.81	
Pure Premium Indicated by National Relativity		34%	0.599	35%	0.714			1.31	
Pure Premium Present on Rate Level		44%	0.553	35%	0.626			1.18	
Pure Premium Derived by Formula			0.519		0.615			1.13	

CLASS 4432		PEN MFG							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	6,536,827	0	0	0	0	0	0	0	0.00
1/11 through 12/11	11,019,854	0	0	2	47,120	0	103,049	150,169	1.36
5 YR. TOTAL	17,556,681	0	0	2	47,120	0	103,049	150,169	0.86
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		10%	0.268	13%	0.587			0.86	
Pure Premium Indicated by National Relativity		24%	0.464	25%	0.512			0.98	
Pure Premium Present on Rate Level		66%	0.558	62%	0.541			1.10	
Pure Premium Derived by Formula			0.506		0.540			1.05	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4439		LACQUER OR VARNISH MANUFACTURING							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	12,777	0	0	0	0	0	0	0	0.00
1/08 through 12/08	179,995	0	0	0	0	0	0	0	0.00
1/09 through 12/09	24,340	0	0	0	0	0	0	0	0.00
1/10 through 12/10	550,472	0	0	0	0	0	0	0	0.00
1/11 through 12/11	373,956	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,141,540	0	0	0	0	0	0	0	0.00
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.000	5%	0.000	0.00			
Pure Premium Indicated by National Relativity		20%	0.722	21%	0.884	1.61			
Pure Premium Present on Rate Level		76%	0.915	74%	0.783	1.70			
Pure Premium Derived by Formula		0.840		0.765		1.61			

CLASS 4452		PLASTICS MFG: FABRICATED PRODUCTS NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	122,028,241	11	1,118,876	40	629,169	869,394	1,026,579	3,644,018	2.99
1/08 through 12/08	108,313,639	4	209,287	36	1,170,085	132,221	1,441,476	2,953,069	2.73
1/09 through 12/09	104,973,728	3	332,246	24	241,084	632,900	519,290	1,725,520	1.64
1/10 through 12/10	83,256,476	8	456,115	24	668,436	740,381	995,234	2,860,166	3.44
1/11 through 12/11	86,001,856	4	120,365	24	585,960	126,886	855,452	1,688,663	1.96
5 YR. TOTAL	504,573,940	30	2,236,889	148	3,294,734	2,501,782	4,838,031	12,871,436	2.55
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	1.096	75%	1.455	2.55			
Pure Premium Indicated by National Relativity		23%	1.222	12%	1.365	2.59			
Pure Premium Present on Rate Level		24%	1.326	13%	1.582	2.91			
Pure Premium Derived by Formula		1.180		1.461		2.64			

CLASS 4459		PLASTICS MFG: SHEETS, RODS, OR TUBES							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	147,992,703	9	766,164	49	1,264,468	479,098	1,378,568	3,888,298	2.63
1/08 through 12/08	160,748,034	6	1,603,877	40	459,749	1,172,236	700,591	3,936,453	2.45
1/09 through 12/09	149,735,242	8	953,453	44	1,046,808	679,381	933,844	3,613,486	2.41
1/10 through 12/10	160,564,185	7	469,130	36	819,556	440,237	1,215,721	2,944,644	1.83
1/11 through 12/11	167,599,647	11	1,053,436	44	1,937,462	947,391	1,500,841	5,439,130	3.25
5 YR. TOTAL	786,639,811	41	4,846,060	213	5,528,043	3,718,343	5,729,565	19,822,011	2.52
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		59%	1.319	78%	1.201	2.52			
Pure Premium Indicated by National Relativity		20%	1.032	11%	1.139	2.17			
Pure Premium Present on Rate Level		21%	1.116	11%	1.123	2.24			
Pure Premium Derived by Formula		1.219		1.186		2.41			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4470		CABLE MFG-INSULATED ELECTRICAL							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	156,635,589	6	358,610	23	569,564	113,558	768,072	1,809,804	1.16
1/08 through 12/08	141,495,443	6	1,170,552	14	595,718	802,462	654,667	3,223,399	2.28
1/09 through 12/09	140,550,333	8	958,263	23	379,013	1,364,096	702,550	3,403,922	2.42
1/10 through 12/10	123,947,071	4	122,624	24	732,311	239,859	1,015,448	2,110,242	1.70
1/11 through 12/11	131,318,729	4	382,907	17	308,225	532,141	486,808	1,710,081	1.30
5 YR. TOTAL	693,947,165	28	2,992,956	101	2,584,831	3,052,116	3,627,545	12,257,448	1.77
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		52%	0.804	69%	0.963	1.77			
Pure Premium Indicated by National Relativity		24%	0.924	15%	0.877	1.80			
Pure Premium Present on Rate Level		24%	0.915	16%	0.941	1.86			
Pure Premium Derived by Formula		0.859			0.947			1.81	

CLASS 4484		PLASTICS MANUFACTURING: MOLDED PRODUCTS NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	463,037,960	22	1,277,817	129	2,321,029	1,590,806	2,867,693	8,057,345	1.74
1/08 through 12/08	430,287,478	21	2,091,926	119	2,938,485	2,309,416	2,879,152	10,218,979	2.38
1/09 through 12/09	403,459,542	17	1,523,297	102	3,104,889	1,351,823	2,702,834	8,682,843	2.15
1/10 through 12/10	419,574,131	17	1,230,156	102	2,079,443	532,082	2,396,105	6,237,786	1.49
1/11 through 12/11	450,121,734	27	2,878,835	125	2,757,390	2,844,622	3,259,997	11,740,844	2.61
5 YR. TOTAL	2,166,480,845	104	9,002,031	577	13,201,236	8,628,749	14,105,781	44,937,797	2.07
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		89%	1.025	100%	1.049	2.07			
Pure Premium Indicated by National Relativity		5%	1.018	0%	1.228	2.25			
Pure Premium Present on Rate Level		6%	1.142	0%	1.136	2.28			
Pure Premium Derived by Formula		1.032			1.049			2.08	

CLASS 4493		FABRIC COATING OR IMPREGNATING NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,529,082	0	0	2	4,561	0	10,485	15,046	0.43
1/08 through 12/08	2,312,053	0	0	0	0	0	5,654	5,654	0.25
1/09 through 12/09	2,113,807	0	0	0	0	0	5,816	5,816	0.28
1/10 through 12/10	2,452,113	0	0	0	0	0	0	0	0.00
1/11 through 12/11	7,405,889	0	0	1	497	0	5,502	5,999	0.08
5 YR. TOTAL	17,812,944	0	0	3	5,058	0	27,457	32,515	0.18
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.028	17%	0.154	0.18			
Pure Premium Indicated by National Relativity		42%	0.955	41%	1.070	2.03			
Pure Premium Present on Rate Level		44%	1.353	42%	1.170	2.52			
Pure Premium Derived by Formula		1.000			0.956			1.96	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4511		ANALYTICAL LABORATORIES OR ASSAYING - INCLUDING LABORATORY, OUTSIDE EMPLOYEES, COLLECTORS OF SAMPLES, & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	400,956,299	2	26,105	19	552,941	68,984	471,662	1,119,692	0.28
1/08 through 12/08	432,701,545	4	319,732	14	462,955	287,892	463,931	1,534,510	0.36
1/09 through 12/09	462,372,779	5	336,258	6	33,917	231,725	242,980	844,880	0.18
1/10 through 12/10	511,024,764	7	93,630	19	401,527	154,461	611,365	1,260,983	0.25
1/11 through 12/11	498,496,847	8	622,817	17	237,632	753,463	374,730	1,988,642	0.40
5 YR. TOTAL	2,305,552,234	26	1,398,542	75	1,688,972	1,496,525	2,164,668	6,748,707	0.29
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		47%	0.134	62%	0.159	0.29			
Pure Premium Indicated by National Relativity		26%	0.273	19%	0.320	0.59			
Pure Premium Present on Rate Level		27%	0.217	19%	0.205	0.42			
Pure Premium Derived by Formula		0.193			0.198			0.39	

CLASS 4557		INK MFG							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	44,353,221	3	161,156	13	470,301	71,227	478,445	1,181,129	2.66
1/08 through 12/08	40,258,595	4	518,751	11	174,840	607,793	437,608	1,738,992	4.32
1/09 through 12/09	49,480,659	2	336,396	9	364,050	145,177	317,650	1,163,273	2.35
1/10 through 12/10	57,289,376	3	109,094	18	481,108	198,246	532,462	1,320,910	2.31
1/11 through 12/11	57,235,867	3	169,101	12	295,168	214,515	312,716	991,500	1.73
5 YR. TOTAL	248,617,718	15	1,294,498	63	1,785,467	1,236,958	2,078,881	6,395,804	2.57
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	1.239	49%	1.334	2.57			
Pure Premium Indicated by National Relativity		32%	0.868	25%	0.970	1.84			
Pure Premium Present on Rate Level		32%	1.018	26%	1.093	2.11			
Pure Premium Derived by Formula		1.050			1.180			2.23	

CLASS 4558		PAINT MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	37,509,210	0	0	6	105,202	0	181,049	286,251	0.76
1/08 through 12/08	32,727,629	1	5,067	7	304,998	5,017	157,056	472,138	1.44
1/09 through 12/09	39,800,901	0	0	9	152,514	0	133,692	286,206	0.72
1/10 through 12/10	38,413,679	2	39,266	2	14,888	96,162	23,194	173,510	0.45
1/11 through 12/11	38,448,632	3	62,955	3	70,046	63,767	138,461	335,229	0.87
5 YR. TOTAL	186,900,051	6	107,288	27	647,648	164,946	633,452	1,553,334	0.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		27%	0.404	35%	0.427	0.83			
Pure Premium Indicated by National Relativity		36%	0.612	32%	0.772	1.38			
Pure Premium Present on Rate Level		37%	0.689	33%	0.617	1.31			
Pure Premium Derived by Formula		0.584			0.600			1.18	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4568		SALT BORAX OR POTASH PRODUCING OR REFINING & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	352,770	0	0	0	0	0	0	0	0.00
1/08 through 12/08	380,831	0	0	0	0	0	0	0	0.00
1/09 through 12/09	2,395	0	0	0	0	0	0	0	0.00
1/10 through 12/10	270,966	0	0	0	0	0	0	0	0.00
1/11 through 12/11	911,341	0	0	2	4,461	0	26,628	31,089	3.41
5 YR. TOTAL	1,918,303	0	0	2	4,461	0	26,628	31,089	1.62
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.233	7%	1.388	1.62			
Pure Premium Indicated by National Relativity		38%	0.902	40%	0.811	1.71			
Pure Premium Present on Rate Level		56%	1.286	53%	0.971	2.26			
Pure Premium Derived by Formula		1.077			0.936			2.01	

CLASS 4581		PHOSPHATE WORKS & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	51,931,356	2	23,858	7	136,231	32,218	130,662	322,969	0.62
1/08 through 12/08	59,542,032	2	20,919	5	99,513	22,552	247,242	390,226	0.66
1/09 through 12/09	60,152,014	1	32,932	1	3,639	183,761	22,974	243,306	0.41
1/10 through 12/10	46,115,594	1	44,674	2	50,881	9,396	158,153	263,104	0.57
1/11 through 12/11	69,466,180	0	0	4	82,523	0	166,402	248,925	0.36
5 YR. TOTAL	287,207,176	6	122,383	19	372,787	247,927	725,433	1,468,530	0.51
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	0.172	39%	0.339	0.51			
Pure Premium Indicated by National Relativity		33%	0.288	30%	0.377	0.67			
Pure Premium Present on Rate Level		42%	0.377	31%	0.547	0.92			
Pure Premium Derived by Formula		0.296			0.415			0.71	

CLASS 4583		FERTILIZER MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	13,876,238	2	514,799	10	210,540	394,735	262,950	1,383,024	9.97
1/08 through 12/08	12,135,614	1	203,646	7	152,293	204,692	248,581	809,212	6.67
1/09 through 12/09	12,220,950	0	0	2	15,404	0	41,209	56,613	0.46
1/10 through 12/10	13,574,465	0	0	11	304,642	0	487,156	791,798	5.83
1/11 through 12/11	14,621,037	0	0	7	233,141	0	177,934	411,075	2.81
5 YR. TOTAL	66,428,304	3	718,445	37	916,020	599,427	1,217,830	3,451,722	5.20
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		31%	2.460	43%	2.736	5.20			
Pure Premium Indicated by National Relativity		34%	1.899	28%	2.297	4.20			
Pure Premium Present on Rate Level		35%	2.742	29%	3.033	5.78			
Pure Premium Derived by Formula		2.368			2.699			5.07	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4611		DRUG, MEDICINE OR PHARMACEUTICAL PREPARATION, COMPOUNDING, OR BLENDING-NO MFG OF INGREDIENTS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	641,811,458	13	864,921	35	1,041,476	511,628	1,130,422	3,548,447	0.55
1/08 through 12/08	634,746,247	8	473,447	28	989,087	594,571	903,268	2,960,373	0.47
1/09 through 12/09	593,264,880	4	280,919	33	1,118,808	229,431	1,000,862	2,630,020	0.44
1/10 through 12/10	679,021,663	15	1,825,991	42	511,329	920,310	784,125	4,041,755	0.60
1/11 through 12/11	640,008,942	10	387,873	41	662,045	466,975	1,050,528	2,567,421	0.40
5 YR. TOTAL	3,188,853,190	50	3,833,151	179	4,322,745	2,722,915	4,869,205	15,748,016	0.49
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		61%	0.256	74%	0.238	0.49			
Pure Premium Indicated by National Relativity		19%	0.432	13%	0.484	0.92			
Pure Premium Present on Rate Level		20%	0.307	13%	0.243	0.55			
Pure Premium Derived by Formula		0.300			0.271			0.57	

CLASS 4635		OXYGEN OR HYDROGEN MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	34,120,207	4	253,797	4	131,672	143,888	85,877	615,234	1.80
1/08 through 12/08	39,880,058	2	252,493	7	185,835	747,963	244,970	1,431,261	3.59
1/09 through 12/09	39,742,600	0	0	6	596,364	0	417,876	1,014,240	2.55
1/10 through 12/10	44,017,630	1	14,323	12	943,389	5,792	382,459	1,345,963	3.06
1/11 through 12/11	43,504,157	3	510,939	13	283,435	151,061	325,692	1,271,127	2.92
5 YR. TOTAL	201,264,652	10	1,031,552	42	2,140,695	1,048,704	1,456,874	5,677,825	2.82
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	1.576	47%	1.245	2.82			
Pure Premium Indicated by National Relativity		32%	1.234	26%	1.222	2.46			
Pure Premium Present on Rate Level		33%	1.231	27%	1.253	2.48			
Pure Premium Derived by Formula		1.353			1.241			2.59	

CLASS 4653		GLUE MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,573,740	1	9,340	4	49,866	3,568	52,301	115,075	2.52
1/08 through 12/08	4,698,833	0	0	0	0	0	6,984	6,984	0.15
1/09 through 12/09	5,212,085	0	0	0	0	0	21,386	21,386	0.41
1/10 through 12/10	5,651,952	0	0	1	1,593	0	4,327	5,920	0.11
1/11 through 12/11	6,754,049	0	0	3	268,987	0	179,516	448,503	6.64
5 YR. TOTAL	26,890,659	1	9,340	8	320,446	3,568	264,514	597,868	2.22
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	1.226	19%	0.997	2.22			
Pure Premium Indicated by National Relativity		26%	0.777	28%	1.266	2.04			
Pure Premium Present on Rate Level		60%	0.987	53%	0.898	1.89			
Pure Premium Derived by Formula		0.966			1.020			1.99	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4665		RENDERING WORKS NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	20,746,127	6	182,520	4	191,799	536,900	437,089	1,348,308	6.50
1/08 through 12/08	24,826,410	6	252,445	13	129,593	286,975	231,200	900,213	3.63
1/09 through 12/09	23,767,684	3	526,410	8	759,441	338,623	563,759	2,188,233	9.21
1/10 through 12/10	34,888,409	4	683,096	7	614,027	861,948	861,655	3,020,726	8.66
1/11 through 12/11	26,470,259	3	141,159	4	134,361	223,060	204,226	702,806	2.66
5 YR. TOTAL	130,698,889	22	1,785,630	36	1,829,221	2,247,506	2,297,929	8,160,286	6.24
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		46%	2.766	61%	3.478			6.24	
Pure Premium Indicated by National Relativity		27%	3.572	19%	3.110			6.68	
Pure Premium Present on Rate Level		27%	3.686	20%	3.600			7.29	
Pure Premium Derived by Formula		3.232		3.432				6.66	

CLASS 4670		COTTONSEED OIL MFG-MECHANICAL & DRIVERS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	75,885	0	0	0	0	0	0	0	0.00
1/08 through 12/08	63,927	0	0	0	0	0	0	0	0.00
1/09 through 12/09	50,735	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	190,547	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		3%	0.000	4%	0.000			0.00	
Pure Premium Indicated by National Relativity		21%	3.140	22%	6.935			10.08	
Pure Premium Present on Rate Level		76%	1.913	74%	2.252			4.17	
Pure Premium Derived by Formula		2.113		3.192				5.31	

CLASS 4683		OIL MFG-VEGETABLE-NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,417,898	0	0	0	0	0	0	0	0.00
1/08 through 12/08	3,530,965	2	125,042	0	0	127,710	524	253,276	7.17
1/09 through 12/09	3,581,170	3	500,963	0	0	288,688	959	790,610	22.08
1/10 through 12/10	3,974,411	0	0	0	0	0	12,626	12,626	0.32
1/11 through 12/11	4,590,602	0	0	1	4,646	0	6,900	11,546	0.25
5 YR. TOTAL	19,095,046	5	626,005	1	4,646	416,398	21,009	1,068,058	5.59
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		13%	3.303	18%	2.291			5.59	
Pure Premium Indicated by National Relativity		42%	1.866	41%	1.656			3.52	
Pure Premium Present on Rate Level		45%	1.134	41%	1.233			2.37	
Pure Premium Derived by Formula		1.723		1.597				3.32	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4686		OIL MFG - VEGETABLE - SOLVENT EXTRACTION PROCESS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	10,915,608	1	7,529	2	109,427	2,216	26,840	146,012	1.34
1/08 through 12/08	11,701,814	2	141,914	3	26,521	218,766	26,786	413,987	3.54
1/09 through 12/09	11,419,493	0	0	3	175,938	0	92,985	268,923	2.36
1/10 through 12/10	12,307,075	0	0	0	0	0	9,399	9,399	0.08
1/11 through 12/11	11,641,773	0	0	2	19,772	0	40,932	60,704	0.52
5 YR. TOTAL	57,985,763	3	149,443	10	331,658	220,982	196,942	899,025	1.55
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		19%	0.830	25%	0.721			1.55	
Pure Premium Indicated by National Relativity		35%	0.896	37%	0.942			1.84	
Pure Premium Present on Rate Level		46%	0.928	38%	0.879			1.81	
Pure Premium Derived by Formula		0.898			0.863			1.76	

CLASS 4692		DENTAL LABORATORY							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	25,190,442	0	0	1	3,490	0	9,088	12,578	0.05
1/08 through 12/08	25,888,695	0	0	1	27,514	0	13,761	41,275	0.16
1/09 through 12/09	30,478,938	0	0	3	253,935	0	133,666	387,601	1.27
1/10 through 12/10	25,894,937	1	10,818	0	0	31,554	696	43,068	0.17
1/11 through 12/11	26,771,481	0	0	3	50,162	0	78,650	128,812	0.48
5 YR. TOTAL	134,224,493	1	10,818	8	335,101	31,554	235,861	613,334	0.46
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		16%	0.258	20%	0.199			0.46	
Pure Premium Indicated by National Relativity		42%	0.230	40%	0.221			0.45	
Pure Premium Present on Rate Level		42%	0.251	40%	0.220			0.47	
Pure Premium Derived by Formula		0.243			0.216			0.46	

CLASS 4693		PHARMACEUTICAL OR SURGICAL GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	91,222,540	1	27,136	9	327,026	80,740	223,352	658,254	0.72
1/08 through 12/08	118,436,765	2	139,757	12	270,660	47,251	234,410	692,078	0.59
1/09 through 12/09	102,253,867	1	155,550	16	332,787	326,899	356,778	1,172,014	1.15
1/10 through 12/10	115,711,995	3	524,817	11	202,355	87,398	376,725	1,191,295	1.03
1/11 through 12/11	113,222,786	1	166,715	13	301,295	30,455	295,705	794,170	0.70
5 YR. TOTAL	540,847,953	8	1,013,975	61	1,434,123	572,743	1,486,970	4,507,811	0.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		32%	0.453	43%	0.381			0.83	
Pure Premium Indicated by National Relativity		34%	0.321	28%	0.384			0.71	
Pure Premium Present on Rate Level		34%	0.342	29%	0.365			0.71	
Pure Premium Derived by Formula		0.370			0.377			0.75	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4703		CORN PRODUCTS MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,230,164	0	0	1	239,689	0	70,408	310,097	5.93
1/08 through 12/08	6,045,747	0	0	0	0	0	1,373	1,373	0.02
1/09 through 12/09	6,012,474	0	0	0	0	0	26,109	26,109	0.43
1/10 through 12/10	5,929,856	0	0	1	64,170	0	84,787	148,957	2.51
1/11 through 12/11	6,543,654	0	0	1	16,164	0	31,478	47,642	0.73
5 YR. TOTAL	29,761,895	0	0	3	320,023	0	214,155	534,178	1.80
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		14%	1.075	19%	0.720			1.80	
Pure Premium Indicated by National Relativity		43%	1.008	40%	0.952			1.96	
Pure Premium Present on Rate Level		43%	0.886	41%	0.852			1.74	
Pure Premium Derived by Formula		0.965			0.867		1.83		

CLASS 4717		BUTTER SUBSTITUTE MFG							
Industry Group: Manufacturing Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		0%	0.000	0%	0.000			0.00	
Pure Premium Indicated by National Relativity		28%	0.853	29%	1.235			2.09	
Pure Premium Present on Rate Level		72%	0.884	71%	0.903			1.79	
Pure Premium Derived by Formula		0.875			0.999		1.87		

CLASS 4720		SOAP OR SYNTHETIC DETERGENT MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	30,954,633	0	0	6	311,897	0	153,005	464,902	1.50
1/08 through 12/08	29,625,531	1	132,461	8	130,577	86,398	105,670	455,106	1.54
1/09 through 12/09	29,473,349	0	0	6	128,455	0	114,419	242,874	0.82
1/10 through 12/10	38,741,057	3	88,837	7	134,130	68,798	156,644	448,409	1.16
1/11 through 12/11	35,680,747	3	103,108	0	0	137,033	10,860	251,001	0.70
5 YR. TOTAL	164,475,317	7	324,406	27	705,059	292,229	540,598	1,862,292	1.13
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		27%	0.626	35%	0.506			1.13	
Pure Premium Indicated by National Relativity		36%	0.884	32%	0.992			1.88	
Pure Premium Present on Rate Level		37%	0.766	33%	0.707			1.47	
Pure Premium Derived by Formula		0.771			0.728		1.50		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 4740		<b>OIL REFINING-PETROLEUM-&amp; DRIVERS</b>							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	7,187,545	0	0	1	9,496	0	13,927	23,423	0.33
1/08 through 12/08	5,950,534	0	0	2	153,057	0	97,933	250,990	4.22
1/09 through 12/09	6,804,555	0	0	2	195,437	0	53,808	249,245	3.66
1/10 through 12/10	7,072,160	1	265,630	2	101,568	67,180	31,582	465,960	6.59
1/11 through 12/11	8,956,207	2	520,017	1	26,506	326,974	87,235	960,732	10.73
5 YR. TOTAL	35,971,001	3	785,647	8	486,064	394,154	284,485	1,950,350	5.42
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		15%	3.535	21%	1.887			5.42	
Pure Premium Indicated by National Relativity		42%	0.396	39%	0.388			0.78	
Pure Premium Present on Rate Level		43%	0.795	40%	0.904			1.70	
Pure Premium Derived by Formula		1.038			0.909		1.95		

<b>CLASS</b> 4741		<b>ASPHALT OR TAR DISTILLING OR REFINING &amp; DRIVERS</b>							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	17,314,525	0	0	3	285,295	0	110,228	395,523	2.29
1/08 through 12/08	13,070,689	1	10,135	3	187,796	11,000	92,201	301,132	2.30
1/09 through 12/09	14,092,683	1	338,152	2	22,404	276,550	25,273	662,379	4.70
1/10 through 12/10	22,044,320	1	129,835	6	170,709	125,296	185,156	610,996	2.77
1/11 through 12/11	16,875,008	0	0	0	0	0	14,201	14,201	0.08
5 YR. TOTAL	83,397,225	3	478,122	14	666,204	412,846	427,059	1,984,231	2.38
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		21%	1.372	26%	1.007			2.38	
Pure Premium Indicated by National Relativity		39%	0.890	37%	0.912			1.80	
Pure Premium Present on Rate Level		40%	0.766	37%	0.687			1.45	
Pure Premium Derived by Formula		0.942			0.853		1.80		

<b>CLASS</b> 4751		<b>SYNTHETIC RUBBER MFG</b>							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	30,055,053	3	63,161	15	265,711	174,201	870,958	1,374,031	4.57
1/08 through 12/08	23,726,310	5	240,468	13	683,589	87,656	552,896	1,564,609	6.60
1/09 through 12/09	22,193,765	2	256,786	9	295,907	142,445	672,214	1,367,352	6.16
1/10 through 12/10	23,420,561	2	45,152	7	94,315	129,048	150,170	418,685	1.79
1/11 through 12/11	19,967,154	1	67,276	5	121,473	56,705	218,299	463,753	2.32
5 YR. TOTAL	119,362,843	13	672,843	49	1,460,995	590,055	2,464,537	5,188,430	4.35
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		26%	1.788	45%	2.559			4.35	
Pure Premium Indicated by National Relativity		30%	0.686	27%	1.204			1.89	
Pure Premium Present on Rate Level		44%	1.000	28%	1.891			2.89	
Pure Premium Derived by Formula		1.111			2.006		3.12		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4771		EXPLOSIVES OR AMMUNITION MFG: NOC & DRIVERS							
Industry Group: Manufacturing Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	396,035	0	0	0	0	0	2,683	2,683	0.68
1/08 through 12/08	4,716	0	0	0	0	0	0	0	0.00
1/09 through 12/09	195,135	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,152,778	0	0	0	0	0	0	0	0.00
1/11 through 12/11	659,342	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,408,006	0	0	0	0	0	2,683	2,683	0.11
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		5%	0.000	8%	0.111			0.11	
Pure Premium Indicated by National Relativity		47%	1.268	46%	1.542			2.81	
Pure Premium Present on Rate Level		48%	0.919	46%	1.114			2.03	
Pure Premium Derived by Formula		1.037			1.231		2.27		

CLASS 4777		EXPLOSIVES DISTRIBUTORS & DRIVERS							
Industry Group: Manufacturing Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	2,005,599	0	0	3	21,154	0	63,452	84,606	4.22
1/08 through 12/08	1,267,065	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,092,771	0	0	1	2,835	0	2,374	5,209	0.48
1/10 through 12/10	1,369,843	0	0	0	0	0	0	0	0.00
1/11 through 12/11	1,283,223	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	7,018,501	0	0	4	23,989	0	65,826	89,815	1.28
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		13%	0.342	20%	0.938			1.28	
Pure Premium Indicated by National Relativity		33%	2.036	35%	1.868			3.90	
Pure Premium Present on Rate Level		54%	2.760	45%	4.011			6.77	
Pure Premium Derived by Formula		2.207			2.646		4.85		

CLASS 4825		DRUG, MEDICINE OR PHARMACEUTICAL PREPARATION MFG & INCLUDES MFG OF INGREDIENTS							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	181,277,317	6	349,325	13	247,830	146,764	278,319	1,022,238	0.56
1/08 through 12/08	187,887,812	11	1,088,237	20	654,002	589,286	658,861	2,990,386	1.59
1/09 through 12/09	191,373,378	4	908,013	14	259,925	458,697	216,833	1,843,468	0.96
1/10 through 12/10	189,430,400	2	90,964	20	688,427	57,730	742,808	1,579,929	0.83
1/11 through 12/11	406,711,857	10	664,488	25	743,025	668,546	845,332	2,921,391	0.72
5 YR. TOTAL	1,156,680,764	33	3,101,027	92	2,593,209	1,921,023	2,742,153	10,357,412	0.90
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		49%	0.492	60%	0.403			0.90	
Pure Premium Indicated by National Relativity		25%	0.393	20%	0.406			0.80	
Pure Premium Present on Rate Level		26%	0.489	20%	0.394			0.88	
Pure Premium Derived by Formula		0.466			0.402		0.87		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4828		CHEMICAL BLENDING AND MIXING NOC-ALL OPERATIONS & DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	69,420,277	4	445,206	8	55,743	294,807	117,182	912,938	1.32
1/08 through 12/08	68,739,839	2	142,099	8	288,736	57,590	272,230	760,655	1.11
1/09 through 12/09	72,695,402	4	974,604	9	217,826	479,306	236,384	1,908,120	2.63
1/10 through 12/10	67,890,355	3	197,766	12	323,393	136,114	315,382	972,655	1.43
1/11 through 12/11	79,648,548	1	41,728	11	292,293	86,531	371,105	791,657	0.99
5 YR. TOTAL	358,394,421	14	1,801,403	48	1,177,991	1,054,348	1,312,283	5,346,025	1.49
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		39%	0.831	48%	0.660	1.49			
Pure Premium Indicated by National Relativity		30%	0.798	26%	0.795	1.59			
Pure Premium Present on Rate Level		31%	0.874	26%	0.736	1.61			
Pure Premium Derived by Formula		0.834			0.715			1.55	

CLASS 4829		CHEMICAL MANUFACTURING NOC-ALL OPERATIONS & DRIVERS							
Industry Group: Manufacturing Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	146,301,134	16	1,844,904	19	812,474	1,456,186	701,351	4,814,915	3.29
1/08 through 12/08	117,576,181	3	106,346	12	289,613	107,926	770,519	1,274,404	1.08
1/09 through 12/09	119,309,338	5	656,180	9	698,511	737,636	480,405	2,572,732	2.16
1/10 through 12/10	128,433,808	2	224,578	9	132,701	318,854	282,426	958,559	0.75
1/11 through 12/11	150,005,632	1	27,922	5	251,042	63,352	422,333	764,649	0.51
5 YR. TOTAL	661,626,093	27	2,859,930	54	2,184,341	2,683,954	2,657,034	10,385,259	1.57
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		50%	0.762	66%	0.807	1.57			
Pure Premium Indicated by National Relativity		25%	0.569	17%	0.518	1.09			
Pure Premium Present on Rate Level		25%	0.881	17%	0.886	1.77			
Pure Premium Derived by Formula		0.744			0.771			1.52	

CLASS 4902		SPORTING GOODS MFG NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,735,622	0	0	1	733	0	3,454	4,187	0.15
1/08 through 12/08	3,631,969	0	0	5	182,690	0	139,200	321,890	8.86
1/09 through 12/09	3,353,828	1	49,524	2	324,548	36,876	113,754	524,702	15.65
1/10 through 12/10	5,000,040	0	0	4	46,518	0	82,023	128,541	2.57
1/11 through 12/11	5,109,558	0	0	0	0	0	11,494	11,494	0.23
5 YR. TOTAL	19,831,017	1	49,524	12	554,489	36,876	349,925	990,814	5.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	3.046	20%	1.950	5.00			
Pure Premium Indicated by National Relativity		42%	0.989	40%	1.235	2.22			
Pure Premium Present on Rate Level		43%	1.425	40%	1.423	2.85			
Pure Premium Derived by Formula		1.485			1.453			2.94	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 4923		PHOTOGRAPHIC SUPPLIES MFG							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	9,205,289	0	0	3	40,118	0	54,427	94,545	1.03
1/08 through 12/08	6,403,875	0	0	0	0	0	2,006	2,006	0.03
1/09 through 12/09	4,544,514	0	0	1	93,227	0	68,724	161,951	3.56
1/10 through 12/10	1,954,854	0	0	0	0	0	274	274	0.01
1/11 through 12/11	761,465	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	22,869,997	0	0	4	133,345	0	125,431	258,776	1.13
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.583	14%	0.548	1.13			
Pure Premium Indicated by National Relativity		44%	0.394	43%	0.480	0.87			
Pure Premium Present on Rate Level		46%	0.435	43%	0.567	1.00			
Pure Premium Derived by Formula		0.432			0.527			0.96	

CLASS 5020		CEILING INSTALLATION-SUSPENDED ACOUSTICAL GRID TYPE							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	11,406,926	1	3,225	8	329,652	0	370,577	703,454	6.17
1/08 through 12/08	9,705,395	3	211,381	2	2,905	143,043	21,324	378,653	3.90
1/09 through 12/09	7,907,005	0	0	4	222,365	0	360,203	582,568	7.37
1/10 through 12/10	7,501,207	1	81,781	4	134,303	278,168	49,007	543,259	7.24
1/11 through 12/11	7,772,298	0	0	7	304,723	0	329,927	634,650	8.17
5 YR. TOTAL	44,292,831	5	296,387	25	993,948	421,211	1,131,038	2,842,584	6.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		30%	2.913	38%	3.505	6.42			
Pure Premium Indicated by National Relativity		35%	3.271	31%	2.505	5.78			
Pure Premium Present on Rate Level		35%	3.546	31%	3.282	6.83			
Pure Premium Derived by Formula		3.260			3.126			6.39	

CLASS 5022		MASONRY NOC							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	320,464,473	39	2,916,935	161	5,046,919	4,477,228	5,021,552	17,462,634	5.45
1/08 through 12/08	256,893,057	25	3,367,845	99	3,324,363	3,307,877	4,208,046	14,208,131	5.53
1/09 through 12/09	156,529,966	21	1,948,879	67	2,122,575	1,666,133	2,590,920	8,328,507	5.32
1/10 through 12/10	153,793,512	23	2,656,798	64	2,433,324	3,060,203	2,325,412	10,475,737	6.81
1/11 through 12/11	130,492,924	15	1,880,153	64	3,022,531	3,444,154	3,145,942	11,492,780	8.81
5 YR. TOTAL	1,018,173,932	123	12,770,610	455	15,949,712	15,955,595	17,291,872	61,967,789	6.09
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		93%	2.821	100%	3.265	6.09			
Pure Premium Indicated by National Relativity		3%	4.521	0%	4.003	8.52			
Pure Premium Present on Rate Level		4%	2.725	0%	2.923	5.65			
Pure Premium Derived by Formula		2.868			3.265			6.13	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5037		PAINTING: METAL STRUCTURES-OVER TWO STORIES IN HEIGHT-& DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	234,633	0	0	0	0	0	0	0	0.00
1/08 through 12/08	436,759	0	0	1	69,043	0	110,248	179,291	41.05
1/09 through 12/09	1,065,885	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,462,452	1	118,329	0	0	112,731	0	231,060	15.80
1/11 through 12/11	1,784,248	0	0	1	3,282	0	5,965	9,247	0.52
5 YR. TOTAL	4,983,977	1	118,329	2	72,325	112,731	116,213	419,598	8.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	3.825	27%	4.594	8.42			
Pure Premium Indicated by National Relativity		29%	10.730	31%	7.600	18.33			
Pure Premium Present on Rate Level		50%	13.546	42%	11.742	25.29			
Pure Premium Derived by Formula		10.688			8.528			19.22	

CLASS 5040		IRON OR STEEL: ERECTION-FRAME STRUCTURES							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	21,102,560	4	307,604	13	1,163,436	385,085	922,213	2,778,338	13.17
1/08 through 12/08	14,072,076	5	777,684	20	752,813	1,235,607	884,144	3,650,248	25.94
1/09 through 12/09	43,773,968	4	729,308	19	1,631,369	636,623	900,726	3,898,026	8.91
1/10 through 12/10	16,884,200	0	0	7	138,394	0	196,408	334,802	1.98
1/11 through 12/11	70,018,016	3	156,890	20	1,181,656	201,213	1,393,071	2,932,830	4.19
5 YR. TOTAL	165,850,820	16	1,971,486	79	4,867,668	2,458,528	4,296,562	13,594,244	8.20
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		68%	4.124	82%	4.073	8.20			
Pure Premium Indicated by National Relativity		16%	6.552	9%	5.238	11.79			
Pure Premium Present on Rate Level		16%	7.467	9%	5.980	13.45			
Pure Premium Derived by Formula		5.047			4.349			9.40	

CLASS 5057		IRON OR STEEL: ERECTION NOC							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	23,153,338	6	996,739	8	759,245	1,381,794	864,341	4,002,119	17.29
1/08 through 12/08	21,785,501	2	152,751	11	581,333	167,121	641,567	1,542,772	7.08
1/09 through 12/09	18,729,759	2	233,383	6	398,731	148,086	302,548	1,082,748	5.78
1/10 through 12/10	20,135,067	0	0	6	641,180	0	516,846	1,158,026	5.75
1/11 through 12/11	34,753,228	1	22,800	10	704,815	0	884,044	1,611,659	4.64
5 YR. TOTAL	118,556,893	11	1,405,673	41	3,085,304	1,697,001	3,209,346	9,397,324	7.93
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		47%	3.788	64%	4.138	7.93			
Pure Premium Indicated by National Relativity		26%	2.986	18%	2.605	5.59			
Pure Premium Present on Rate Level		27%	4.301	18%	4.489	8.79			
Pure Premium Derived by Formula		3.718			3.925			7.64	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5059		IRON OR STEEL: ERECTION-FRAME STRUCTURES NOT OVER TWO STORIES IN HEIGHT							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	11,496,633	0	0	4	31,589	0	136,517	168,106	1.46
1/08 through 12/08	8,809,732	5	379,829	9	293,668	863,904	311,978	1,849,379	20.99
1/09 through 12/09	4,856,058	1	501,818	3	66,222	439,327	150,628	1,157,995	23.85
1/10 through 12/10	6,125,698	1	184,462	4	189,283	891,475	265,853	1,531,073	24.99
1/11 through 12/11	4,575,809	1	7,654	8	195,229	0	228,314	431,197	9.42
5 YR. TOTAL	35,863,930	8	1,073,763	28	775,991	2,194,706	1,093,290	5,137,750	14.33
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		40%	5.158	64%	9.168			14.33	
Pure Premium Indicated by National Relativity		30%	9.054	18%	9.742			18.80	
Pure Premium Present on Rate Level		30%	9.413	18%	14.642			24.06	
Pure Premium Derived by Formula		7.603				10.257		17.86	

CLASS 5069		IRON OR STEEL: ERECTION-CONSTRUCTION OF DWELLINGS NOT OVER TWO STORIES IN HEIGHT							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	640,875	0	0	0	0	0	0	0	0.00
1/08 through 12/08	229,946	0	0	0	0	0	0	0	0.00
1/09 through 12/09	99,974	0	0	0	0	0	0	0	0.00
1/10 through 12/10	179,721	0	0	0	0	0	0	0	0.00
1/11 through 12/11	214,135	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,364,651	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		14%	0.000	14%	0.000			0.00	
Pure Premium Indicated by National Relativity		10%	1.486	11%	1.341			2.83	
Pure Premium Present on Rate Level		76%	16.694	75%	9.296			25.99	
Pure Premium Derived by Formula		12.836				7.120		19.96	

CLASS 5102		DOOR AND WINDOW INSTALLATION - ALL TYPES - RESIDENTIAL AND COMMERCIAL							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	62,734,423	9	755,294	27	868,711	495,782	797,454	2,917,241	4.65
1/08 through 12/08	60,350,804	6	524,503	35	1,700,604	733,372	1,739,097	4,697,576	7.78
1/09 through 12/09	48,258,129	1	200,703	22	795,280	238,551	747,717	1,982,251	4.11
1/10 through 12/10	39,332,782	3	208,830	9	455,337	409,723	421,138	1,495,028	3.80
1/11 through 12/11	42,092,688	3	197,619	11	410,630	152,173	611,227	1,371,649	3.26
5 YR. TOTAL	252,768,826	22	1,886,949	104	4,230,562	2,029,601	4,316,633	12,463,745	4.93
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		56%	2.420	72%	2.511			4.93	
Pure Premium Indicated by National Relativity		22%	3.466	14%	3.198			6.66	
Pure Premium Present on Rate Level		22%	3.117	14%	2.832			5.95	
Pure Premium Derived by Formula		2.803				2.652		5.46	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5146		FURNITURE OR FIXTURES INSTALLATION-PORTABLE-NOC							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	56,941,322	8	1,540,741	23	454,291	1,605,243	470,140	4,070,415	7.15
1/08 through 12/08	53,926,662	11	623,303	23	493,133	607,894	499,311	2,223,641	4.12
1/09 through 12/09	39,172,133	10	1,591,369	23	497,760	954,957	479,206	3,523,292	8.99
1/10 through 12/10	42,836,678	2	33,803	21	911,343	7,643	432,634	1,385,423	3.23
1/11 through 12/11	42,068,634	4	336,159	25	587,163	242,754	692,040	1,858,116	4.42
5 YR. TOTAL	234,945,429	35	4,125,375	115	2,943,690	3,418,491	2,573,331	13,060,887	5.56
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		55%	3.009	69%	2.550	5.56			
Pure Premium Indicated by National Relativity		22%	2.706	15%	2.501	5.21			
Pure Premium Present on Rate Level		23%	3.204	16%	2.686	5.89			
Pure Premium Derived by Formula		2.987			2.564			5.55	

CLASS 5160		ELEVATOR ERECTION OR REPAIR							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	31,871,237	6	537,636	4	24,737	796,381	94,189	1,452,943	4.56
1/08 through 12/08	32,728,930	6	1,145,397	3	177,702	871,269	253,541	2,447,909	7.48
1/09 through 12/09	36,764,053	3	72,636	5	89,763	31,841	103,197	297,437	0.81
1/10 through 12/10	31,269,737	1	53,083	2	37,303	105,834	68,078	264,298	0.85
1/11 through 12/11	30,028,684	1	13,821	4	154,881	46,477	151,486	366,665	1.22
5 YR. TOTAL	162,662,641	17	1,822,573	18	484,386	1,851,802	670,491	4,829,252	2.97
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	1.418	48%	1.551	2.97			
Pure Premium Indicated by National Relativity		31%	1.617	26%	1.220	2.84			
Pure Premium Present on Rate Level		31%	1.802	26%	1.562	3.36			
Pure Premium Derived by Formula		1.599			1.468			3.07	

CLASS 5183		PLUMBING NOC & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	543,535,904	53	5,360,993	177	6,266,614	5,771,660	6,203,229	23,602,496	4.34
1/08 through 12/08	472,201,096	34	3,342,469	158	6,182,297	3,086,979	5,115,313	17,727,058	3.75
1/09 through 12/09	410,840,536	40	6,201,781	132	4,981,376	4,128,390	4,578,707	19,890,254	4.84
1/10 through 12/10	430,018,440	36	4,247,020	117	5,194,708	3,539,127	4,473,523	17,454,378	4.06
1/11 through 12/11	452,032,742	31	6,054,653	126	5,274,819	4,162,831	4,633,918	20,126,221	4.45
5 YR. TOTAL	2,308,628,718	194	25,206,916	710	27,899,814	20,688,987	25,004,690	98,800,407	4.28
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	2.300	100%	1.979	4.28			
Pure Premium Indicated by National Relativity		0%	1.969	0%	1.618	3.59			
Pure Premium Present on Rate Level		0%	2.257	0%	1.917	4.17			
Pure Premium Derived by Formula		2.300			1.979			4.28	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 5188		<b>AUTOMATIC SPRINKLER INSTALLATION &amp; DRIVERS</b>							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	62,896,002	5	545,427	25	468,188	480,196	461,043	1,954,854	3.11
1/08 through 12/08	62,981,116	9	971,763	29	1,347,088	675,918	928,665	3,923,434	6.23
1/09 through 12/09	46,764,951	4	609,731	14	1,049,176	616,270	995,448	3,270,625	6.99
1/10 through 12/10	42,669,988	9	1,073,591	9	876,371	908,514	777,085	3,635,561	8.52
1/11 through 12/11	42,522,878	6	405,443	20	445,379	722,804	741,634	2,315,260	5.45
<b>5 YR. TOTAL</b>	<b>257,834,935</b>	<b>33</b>	<b>3,605,955</b>	<b>97</b>	<b>4,186,202</b>	<b>3,403,702</b>	<b>3,903,875</b>	<b>15,099,734</b>	<b>5.86</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		52%	3.022	66%	2.834	5.86			
Pure Premium Indicated by National Relativity		24%	2.368	17%	1.829	4.20			
Pure Premium Present on Rate Level		24%	2.441	17%	2.192	4.63			
Pure Premium Derived by Formula		2.726			2.554			5.28	

<b>CLASS</b> 5190		<b>ELECTRICAL WIRING-WITHIN BUILDINGS &amp; DRIVERS</b>							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	677,015,026	57	5,290,581	230	7,199,275	5,600,466	7,034,547	25,124,869	3.71
1/08 through 12/08	618,855,183	56	5,957,600	200	6,914,336	5,436,975	6,691,454	25,000,365	4.04
1/09 through 12/09	546,176,153	46	4,860,911	175	5,244,459	5,540,961	6,283,028	21,929,359	4.02
1/10 through 12/10	545,590,022	45	5,395,983	136	6,021,022	5,169,437	5,287,648	21,874,090	4.01
1/11 through 12/11	580,231,667	59	8,532,947	153	7,470,441	8,318,566	6,482,474	30,804,428	5.31
<b>5 YR. TOTAL</b>	<b>2,967,868,051</b>	<b>263</b>	<b>30,038,022</b>	<b>894</b>	<b>32,849,533</b>	<b>30,066,405</b>	<b>31,779,151</b>	<b>124,733,111</b>	<b>4.20</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	2.119	100%	2.084	4.20			
Pure Premium Indicated by National Relativity		0%	1.652	0%	1.460	3.11			
Pure Premium Present on Rate Level		0%	2.098	0%	1.940	4.04			
Pure Premium Derived by Formula		2.119			2.084			4.20	

<b>CLASS</b> 5191		<b>OFFICE MACHINE INSTALLATION, INSPECTION, ADJUSTMENT OR REPAIR</b>							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	804,377,418	19	1,996,127	39	950,916	1,266,876	1,052,943	5,266,862	0.65
1/08 through 12/08	763,715,370	10	1,245,769	42	1,132,911	1,018,881	948,132	4,345,693	0.57
1/09 through 12/09	693,333,410	16	1,269,741	42	1,750,480	1,283,274	1,230,759	5,534,254	0.80
1/10 through 12/10	681,725,429	5	473,974	29	446,513	786,714	936,382	2,643,583	0.39
1/11 through 12/11	691,805,762	12	1,622,386	52	1,554,919	732,364	1,473,301	5,382,970	0.78
<b>5 YR. TOTAL</b>	<b>3,634,957,389</b>	<b>62</b>	<b>6,607,997</b>	<b>204</b>	<b>5,835,739</b>	<b>5,088,109</b>	<b>5,641,517</b>	<b>23,173,362</b>	<b>0.64</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		73%	0.342	88%	0.295	0.64			
Pure Premium Indicated by National Relativity		13%	0.475	6%	0.439	0.91			
Pure Premium Present on Rate Level		14%	0.409	6%	0.318	0.73			
Pure Premium Derived by Formula		0.369			0.305			0.67	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5192		VENDING OR COIN OPERATED MACHINES-INSTALLATION, SERVICE OR REPAIR & SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	58,849,143	5	411,356	31	1,216,548	414,052	958,344	3,000,300	5.10
1/08 through 12/08	56,672,004	8	452,821	22	414,869	475,114	592,669	1,935,473	3.42
1/09 through 12/09	52,647,454	6	262,091	19	510,883	262,855	726,772	1,762,601	3.35
1/10 through 12/10	61,695,564	4	155,626	27	675,793	59,856	589,819	1,481,094	2.40
1/11 through 12/11	62,512,370	5	629,736	23	537,945	334,778	654,690	2,157,149	3.45
5 YR. TOTAL	292,376,535	28	1,911,630	122	3,356,038	1,546,655	3,522,294	10,336,617	3.54
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		50%	1.802	65%	1.734	3.54			
Pure Premium Indicated by National Relativity		25%	1.777	17%	1.609	3.39			
Pure Premium Present on Rate Level		25%	1.936	18%	1.865	3.80			
Pure Premium Derived by Formula		1.829			1.736			3.57	

CLASS 5213		CONCRETE CONSTRUCTION NOC							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	128,290,887	17	2,441,581	65	2,534,379	3,193,886	2,767,285	10,937,131	8.53
1/08 through 12/08	124,934,126	7	427,786	46	1,261,113	395,733	1,448,689	3,533,321	2.83
1/09 through 12/09	95,780,167	13	955,155	48	1,785,553	1,020,307	2,644,063	6,405,078	6.69
1/10 through 12/10	92,242,643	6	922,430	56	2,302,964	495,638	2,452,810	6,173,842	6.69
1/11 through 12/11	78,619,345	17	1,669,906	36	1,960,631	1,613,713	1,462,568	6,706,818	8.53
5 YR. TOTAL	519,867,168	60	6,416,858	251	9,844,640	6,719,277	10,775,415	33,756,190	6.49
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		73%	3.128	100%	3.365	6.49			
Pure Premium Indicated by National Relativity		13%	3.519	0%	3.109	6.63			
Pure Premium Present on Rate Level		14%	2.888	0%	3.386	6.27			
Pure Premium Derived by Formula		3.145			3.365			6.51	

CLASS 5215		CONCRETE WORK-INCIDENTAL TO THE CONSTRUCTION OF PRIVATE RESIDENCE							
Industry Group: Contracting Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	41,523,564	2	37,372	16	173,188	28,689	188,775	428,024	1.03
1/08 through 12/08	29,052,871	2	46,770	7	164,397	14,511	164,832	390,510	1.34
1/09 through 12/09	16,636,274	1	137,066	8	159,384	83,973	198,277	578,700	3.48
1/10 through 12/10	21,221,042	2	80,953	2	6,538	11,272	34,810	133,573	0.63
1/11 through 12/11	20,323,160	3	159,656	11	391,755	170,540	441,736	1,163,687	5.73
5 YR. TOTAL	128,756,911	10	461,817	44	895,262	308,985	1,028,430	2,694,494	2.09
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	1.054	43%	1.039	2.09			
Pure Premium Indicated by National Relativity		32%	3.376	28%	2.781	6.16			
Pure Premium Present on Rate Level		33%	1.903	29%	1.559	3.46			
Pure Premium Derived by Formula		2.077			1.678			3.76	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5221		CONCRETE OR CEMENT WORK-FLOORS, DRIVEWAYS, YARDS OR SIDEWALKS-& DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	374,342,723	28	2,405,798	98	2,798,979	2,715,367	2,489,624	10,409,768	2.78
1/08 through 12/08	311,201,679	35	3,886,286	75	2,943,398	3,715,057	2,902,346	13,447,087	4.32
1/09 through 12/09	247,764,851	27	2,747,415	72	2,169,560	3,056,333	2,103,881	10,077,189	4.07
1/10 through 12/10	240,286,377	22	1,767,824	92	2,642,234	2,158,450	2,512,231	9,080,739	3.78
1/11 through 12/11	241,580,012	29	2,788,218	83	3,362,105	3,878,334	2,878,650	12,907,307	5.34
5 YR. TOTAL	1,415,175,642	141	13,595,541	420	13,916,276	15,523,541	12,886,732	55,922,090	3.95
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		92%	1.944	100%	2.008	3.95			
Pure Premium Indicated by National Relativity		4%	2.739	0%	2.413	5.15			
Pure Premium Present on Rate Level		4%	1.875	0%	1.802	3.68			
Pure Premium Derived by Formula		1.973		2.008		3.98			

CLASS 5222		CONCRETE CONSTRUCTION IN CONNECTION WITH BRIDGES OR CULVERTS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	28,130,605	8	1,181,697	14	774,841	2,313,822	1,038,573	5,308,933	18.87
1/08 through 12/08	30,544,818	4	550,771	21	1,201,390	257,385	1,578,486	3,588,032	11.75
1/09 through 12/09	27,067,714	2	134,593	11	1,130,689	49,497	570,339	1,885,118	6.97
1/10 through 12/10	29,068,420	1	134,020	21	790,430	40,615	952,233	1,917,298	6.60
1/11 through 12/11	37,026,912	6	1,871,210	9	352,117	835,247	326,363	3,384,937	9.14
5 YR. TOTAL	151,838,469	21	3,872,291	76	4,249,467	3,496,566	4,465,994	16,084,318	10.59
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	5.349	73%	5.244	10.59			
Pure Premium Indicated by National Relativity		23%	4.405	13%	3.847	8.25			
Pure Premium Present on Rate Level		24%	4.506	14%	4.928	9.43			
Pure Premium Derived by Formula		4.930		5.018		9.95			

CLASS 5223		SWIMMING POOL CONSTRUCTION-NOT IRON OR STEEL- & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	17,381,805	0	0	7	32,446	0	139,973	172,419	0.99
1/08 through 12/08	12,134,429	1	21,303	5	103,437	6,922	132,313	263,975	2.18
1/09 through 12/09	8,482,849	1	11,648	3	17,670	2,302	94,907	126,527	1.49
1/10 through 12/10	8,545,951	1	71,029	6	71,319	93,845	69,659	305,852	3.58
1/11 through 12/11	8,979,913	0	0	6	179,579	0	219,653	399,232	4.45
5 YR. TOTAL	55,524,947	3	103,980	27	404,451	103,069	656,505	1,268,005	2.28
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		26%	0.916	35%	1.368	2.28			
Pure Premium Indicated by National Relativity		37%	2.680	32%	2.494	5.17			
Pure Premium Present on Rate Level		37%	2.052	33%	2.163	4.22			
Pure Premium Derived by Formula		1.989		1.991		3.98			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5348		CERAMIC TILE, INDOOR STONE, MARBLE, OR MOSAIC WORK							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	105,402,346	18	2,365,568	30	771,211	2,109,346	864,369	6,110,494	5.80
1/08 through 12/08	83,478,344	9	662,246	31	925,981	533,665	752,651	2,874,543	3.44
1/09 through 12/09	63,255,244	4	241,000	14	410,586	115,589	611,255	1,378,430	2.18
1/10 through 12/10	58,302,464	8	1,240,167	18	634,918	470,553	449,762	2,795,400	4.80
1/11 through 12/11	59,470,707	2	568,339	25	951,782	1,038,213	886,031	3,444,365	5.79
5 YR. TOTAL	369,909,105	41	5,077,320	118	3,694,478	4,267,366	3,564,068	16,603,232	4.49
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		58%	2.371	70%	2.117		4.49		
Pure Premium Indicated by National Relativity		21%	2.819	15%	2.334		5.15		
Pure Premium Present on Rate Level		21%	2.321	15%	1.803		4.12		
Pure Premium Derived by Formula		2.455			2.102		4.56		

CLASS 5402		HOTHOUSE ERECTION-ALL OPERATIONS							
Industry Group: Contracting Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,348,064	0	0	2	18,563	0	31,823	50,386	0.94
1/08 through 12/08	2,352,100	0	0	1	24,237	0	0	24,237	1.03
1/09 through 12/09	4,456,188	0	0	2	31,068	0	61,418	92,486	2.08
1/10 through 12/10	5,983,900	0	0	8	223,903	0	174,929	398,832	6.67
1/11 through 12/11	3,277,886	0	0	2	35,761	0	105,324	141,085	4.30
5 YR. TOTAL	21,418,138	0	0	15	333,532	0	373,494	707,026	3.30
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	1.557	23%	1.744		3.30		
Pure Premium Indicated by National Relativity		18%	3.129	19%	4.325		7.45		
Pure Premium Present on Rate Level		65%	1.788	58%	1.930		3.72		
Pure Premium Derived by Formula		1.990			2.342		4.33		

CLASS 5403		CARPENTRY NOC							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	209,381,097	24	2,953,101	97	2,386,518	2,204,585	2,642,361	10,186,565	4.87
1/08 through 12/08	189,218,141	27	2,899,725	76	2,722,518	3,030,317	2,841,570	11,494,130	6.07
1/09 through 12/09	151,015,659	15	992,138	45	1,754,195	1,758,156	1,757,043	6,261,532	4.15
1/10 through 12/10	136,071,628	25	2,412,791	67	2,690,041	1,651,007	2,304,150	9,057,989	6.66
1/11 through 12/11	133,164,947	25	3,307,682	59	2,932,770	4,240,104	2,396,806	12,877,362	9.67
5 YR. TOTAL	818,851,472	116	12,565,437	344	12,486,042	12,884,169	11,941,930	49,877,578	6.09
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		89%	3.059	100%	3.032		6.09		
Pure Premium Indicated by National Relativity		5%	3.703	0%	3.476		7.18		
Pure Premium Present on Rate Level		6%	2.979	0%	2.864		5.84		
Pure Premium Derived by Formula		3.086			3.032		6.12		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 5437		<b>CARPENTRY-INSTALLATION OF CABINET WORK OR INTERIOR TRIM</b>							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	180,121,636	17	1,817,365	107	2,566,479	2,073,705	2,549,673	9,007,222	5.00
1/08 through 12/08	138,730,026	19	1,194,575	88	1,988,571	1,170,773	1,884,392	6,238,311	4.50
1/09 through 12/09	99,792,507	18	1,575,803	48	1,263,440	2,558,051	1,694,858	7,092,152	7.11
1/10 through 12/10	93,862,721	5	417,788	45	1,331,146	193,592	1,282,386	3,224,912	3.44
1/11 through 12/11	96,979,677	10	933,394	64	3,165,681	826,208	2,571,710	7,496,993	7.73
<b>5 YR. TOTAL</b>	<b>609,486,567</b>	<b>69</b>	<b>5,938,925</b>	<b>352</b>	<b>10,315,317</b>	<b>6,822,329</b>	<b>9,983,019</b>	<b>33,059,590</b>	<b>5.42</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		75%	2.667	100%	2.757	5.42			
Pure Premium Indicated by National Relativity		12%	3.242	0%	2.796	6.04			
Pure Premium Present on Rate Level		13%	2.673	0%	2.653	5.33			
Pure Premium Derived by Formula			2.737		2.757	5.49			

<b>CLASS</b> 5443		<b>LATHING &amp; DRIVERS</b>							
Industry Group: Contracting Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	435,977	0	0	0	0	0	132	132	0.03
1/08 through 12/08	271,586	0	0	1	1,412	0	12,152	13,564	4.99
1/09 through 12/09	127,155	0	0	0	0	0	0	0	0.00
1/10 through 12/10	139,540	0	0	0	0	0	1,228	1,228	0.88
1/11 through 12/11	59,579	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>1,033,837</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1,412</b>	<b>0</b>	<b>13,512</b>	<b>14,924</b>	<b>1.44</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.137	7%	1.307	1.44			
Pure Premium Indicated by National Relativity		39%	2.660	41%	2.290	4.95			
Pure Premium Present on Rate Level		56%	1.678	52%	1.756	3.43			
Pure Premium Derived by Formula			1.984		1.944	3.93			

<b>CLASS</b> 5445		<b>WALLBOARD, SHEETROCK, DRYWALL, PLASTERBOARD, OR CEMENT BOARD INSTALLATION - WITHIN BUILDINGS &amp; DRIVERS</b>							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	194,402,230	36	2,551,510	93	3,893,163	2,896,405	4,202,538	13,543,616	6.97
1/08 through 12/08	169,502,368	32	2,770,697	95	3,848,637	1,632,874	3,454,610	11,706,818	6.91
1/09 through 12/09	117,635,227	14	1,143,493	75	3,102,887	1,416,848	3,135,746	8,798,974	7.48
1/10 through 12/10	103,741,276	17	1,292,406	63	3,064,525	1,408,042	3,659,531	9,424,504	9.09
1/11 through 12/11	103,593,130	20	1,930,486	62	3,048,440	2,927,697	3,675,265	11,581,888	11.18
<b>5 YR. TOTAL</b>	<b>688,874,231</b>	<b>119</b>	<b>9,688,592</b>	<b>388</b>	<b>16,957,652</b>	<b>10,281,866</b>	<b>18,127,690</b>	<b>55,055,800</b>	<b>7.99</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		91%	3.868	100%	4.124	7.99			
Pure Premium Indicated by National Relativity		4%	3.435	0%	2.840	6.28			
Pure Premium Present on Rate Level		5%	3.773	0%	3.542	7.32			
Pure Premium Derived by Formula			3.846		4.124	7.97			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5462		GLAZIER-AWAY FROM SHOP & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	51,534,821	6	533,623	13	405,250	699,772	437,219	2,075,864	4.03
1/08 through 12/08	47,724,601	7	809,714	20	762,991	557,133	940,213	3,070,051	6.43
1/09 through 12/09	41,344,719	3	643,866	23	1,176,138	685,560	998,620	3,504,184	8.48
1/10 through 12/10	38,021,265	2	16,605	20	529,178	26,016	437,378	1,009,177	2.65
1/11 through 12/11	41,372,559	3	596,366	12	258,696	215,666	311,880	1,382,608	3.34
5 YR. TOTAL	219,997,965	21	2,600,174	88	3,132,253	2,184,147	3,125,310	11,041,884	5.02
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	2.606	68%	2.413	5.02			
Pure Premium Indicated by National Relativity		23%	3.942	16%	3.259	7.20			
Pure Premium Present on Rate Level		24%	3.124	16%	2.757	5.88			
Pure Premium Derived by Formula		3.038			2.603			5.64	

CLASS 5472		ASBESTOS CONTRACTOR-PIPE AND BOILER WORK EXCLUSIVELY & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	6,193,642	0	0	1	4,310	0	18,391	22,701	0.37
1/08 through 12/08	2,873,177	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,875,565	0	0	1	6,364	0	29,301	35,665	1.90
1/10 through 12/10	2,257,485	0	0	0	0	0	1,048	1,048	0.05
1/11 through 12/11	2,110,685	1	32,451	0	0	13,342	5,536	51,329	2.43
5 YR. TOTAL	15,310,554	1	32,451	2	10,674	13,342	54,276	110,743	0.72
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	0.282	20%	0.442	0.72			
Pure Premium Indicated by National Relativity		42%	2.862	40%	2.460	5.32			
Pure Premium Present on Rate Level		42%	2.381	40%	1.948	4.33			
Pure Premium Derived by Formula		2.247			1.852			4.10	

CLASS 5473		ASBESTOS CONTRACTOR-NOC & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	16,811,635	1	100,611	8	493,228	92,463	411,510	1,097,812	6.53
1/08 through 12/08	16,687,003	3	200,231	7	367,872	436,594	420,942	1,425,639	8.54
1/09 through 12/09	14,471,471	1	10,921	9	528,783	25,167	617,347	1,182,218	8.17
1/10 through 12/10	15,392,249	4	828,576	6	469,202	544,622	651,923	2,494,323	16.21
1/11 through 12/11	13,275,510	4	560,627	9	366,041	552,679	366,283	1,845,630	13.90
5 YR. TOTAL	76,637,868	13	1,700,966	39	2,225,126	1,651,525	2,468,005	8,045,622	10.50
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	5.123	54%	5.375	10.50			
Pure Premium Indicated by National Relativity		30%	4.571	23%	4.764	9.34			
Pure Premium Present on Rate Level		30%	4.247	23%	4.534	8.78			
Pure Premium Derived by Formula		4.695			5.041			9.74	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5474		PAINTING NOC & SHOP OPERATIONS, DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	255,563,267	36	2,836,165	84	2,842,079	3,178,326	3,209,533	12,066,103	4.72
1/08 through 12/08	215,143,639	20	1,703,388	85	3,602,501	1,863,528	4,096,678	11,266,095	5.24
1/09 through 12/09	178,404,957	25	3,008,941	77	4,156,067	3,210,962	3,701,871	14,077,841	7.89
1/10 through 12/10	169,735,988	21	1,158,320	60	2,946,736	2,069,543	2,153,299	8,327,898	4.91
1/11 through 12/11	170,188,659	33	4,205,497	72	2,206,041	4,258,586	2,563,763	13,233,887	7.78
5 YR. TOTAL	989,036,510	135	12,912,311	378	15,753,424	14,580,945	15,725,144	58,971,824	5.96
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		93%	2.898	100%	3.064	5.96			
Pure Premium Indicated by National Relativity		3%	3.365	0%	3.373	6.74			
Pure Premium Present on Rate Level		4%	2.804	0%	3.010	5.81			
Pure Premium Derived by Formula		2.908			3.064			5.97	

CLASS 5478		FLOOR COVERING INSTALLATION--RESILIENT FLOORING -- CARPET AND LAMINATE FLOORING							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	85,593,311	4	71,608	22	1,767,427	99,390	985,156	2,923,581	3.42
1/08 through 12/08	70,992,817	3	42,117	22	819,647	42,544	679,204	1,583,512	2.23
1/09 through 12/09	57,505,375	2	581,939	14	231,379	545,937	223,533	1,582,788	2.75
1/10 through 12/10	53,467,534	4	187,905	14	485,235	141,255	454,681	1,269,076	2.37
1/11 through 12/11	54,492,225	2	70,836	11	473,870	59,740	427,002	1,031,448	1.89
5 YR. TOTAL	322,051,262	15	954,405	83	3,777,558	888,866	2,769,576	8,390,405	2.61
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		52%	1.469	61%	1.136	2.61			
Pure Premium Indicated by National Relativity		24%	2.994	19%	2.064	5.06			
Pure Premium Present on Rate Level		24%	2.045	20%	1.455	3.50			
Pure Premium Derived by Formula		1.973			1.376			3.35	

CLASS 5479		INSULATION WORK NOC & DRIVERS							
Industry Group: Contracting Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	37,844,265	9	630,019	20	492,287	425,508	628,551	2,176,365	5.75
1/08 through 12/08	28,146,730	2	273,051	14	373,171	287,086	433,311	1,366,619	4.86
1/09 through 12/09	21,316,551	6	566,478	17	401,417	385,216	357,033	1,710,144	8.02
1/10 through 12/10	25,275,418	4	821,680	20	339,291	521,406	453,665	2,136,042	8.45
1/11 through 12/11	26,978,312	3	281,934	14	371,992	360,832	635,147	1,649,905	6.12
5 YR. TOTAL	139,561,276	24	2,573,162	85	1,978,158	1,980,048	2,507,707	9,039,075	6.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		45%	3.261	57%	3.216	6.48			
Pure Premium Indicated by National Relativity		27%	3.600	21%	3.550	7.15			
Pure Premium Present on Rate Level		28%	3.142	22%	2.896	6.04			
Pure Premium Derived by Formula		3.319			3.216			6.54	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5480		PLASTERING NOC & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	838,372	0	0	0	0	0	0	0	0.00
1/08 through 12/08	563,106	0	0	1	106,874	0	76,170	183,044	32.51
1/09 through 12/09	427,563	0	0	0	0	0	0	0	0.00
1/10 through 12/10	562,147	0	0	0	0	0	0	0	0.00
1/11 through 12/11	604,431	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,995,619	0	0	1	106,874	0	76,170	183,044	6.11
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	3.568	11%	2.543	6.11			
Pure Premium Indicated by National Relativity		45%	3.394	44%	2.070	5.46			
Pure Premium Present on Rate Level		46%	2.805	45%	2.226	5.03			
Pure Premium Derived by Formula			3.139		2.192	5.33			

CLASS 5491		PAPERHANGING & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,763,022	1	41,892	0	0	39,942	795	82,629	1.74
1/08 through 12/08	4,374,397	1	4,955	4	169,852	7,051	66,833	248,691	5.69
1/09 through 12/09	3,048,379	0	0	1	9,693	0	12,888	22,581	0.74
1/10 through 12/10	3,311,375	0	0	1	59,150	0	9,899	69,049	2.09
1/11 through 12/11	2,703,043	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	18,200,216	2	46,847	6	238,695	46,993	90,415	422,950	2.32
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	1.569	18%	0.755	2.32			
Pure Premium Indicated by National Relativity		24%	1.048	26%	0.788	1.84			
Pure Premium Present on Rate Level		61%	1.698	56%	1.246	2.94			
Pure Premium Derived by Formula			1.523		1.039	2.56			

CLASS 5506		STREET OR ROAD CONSTRUCTION: PAVING OR REPAVING & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	119,185,419	10	1,078,105	37	833,098	1,094,047	1,212,201	4,217,451	3.54
1/08 through 12/08	99,356,268	13	912,668	36	1,375,512	1,294,631	2,212,229	5,795,040	5.83
1/09 through 12/09	100,818,799	8	590,900	43	1,249,454	504,192	1,433,796	3,778,342	3.75
1/10 through 12/10	97,671,758	9	515,579	45	2,788,644	1,335,346	2,424,837	7,064,406	7.23
1/11 through 12/11	111,474,875	20	2,060,212	36	1,945,302	2,311,014	1,521,005	7,837,533	7.03
5 YR. TOTAL	528,507,119	60	5,157,464	197	8,192,010	6,539,230	8,804,068	28,692,772	5.43
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		73%	2.526	100%	2.903	5.43			
Pure Premium Indicated by National Relativity		13%	3.441	0%	3.300	6.74			
Pure Premium Present on Rate Level		14%	2.884	0%	3.194	6.08			
Pure Premium Derived by Formula			2.695		2.903	5.60			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5507		STREET OR ROAD CONSTRUCTION: SUBSURFACE WORK & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	73,589,911	3	29,080	18	421,196	58,231	666,575	1,175,082	1.60
1/08 through 12/08	59,369,379	7	471,070	18	1,239,872	682,314	1,043,932	3,437,188	5.79
1/09 through 12/09	54,559,596	4	472,796	12	230,012	320,473	339,391	1,362,672	2.50
1/10 through 12/10	56,903,578	8	1,424,698	10	446,177	533,534	795,832	3,200,241	5.62
1/11 through 12/11	65,474,996	9	1,046,812	16	621,280	1,140,707	640,063	3,448,862	5.27
5 YR. TOTAL	309,897,460	31	3,444,456	74	2,958,537	2,735,259	3,485,793	12,624,045	4.07
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	2.066	66%	2.007	4.07			
Pure Premium Indicated by National Relativity		23%	2.498	17%	2.284	4.78			
Pure Premium Present on Rate Level		24%	2.197	17%	1.870	4.07			
Pure Premium Derived by Formula		2.197			2.031			4.23	

CLASS 5508		STREET OR ROAD CONSTRUCTION: ROCK EXCAVATION & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	194,647	0	0	0	0	0	0	0	0.00
1/08 through 12/08	119,078	0	0	0	0	0	2,492	2,492	2.09
1/09 through 12/09	309,592	0	0	0	0	0	0	0	0.00
1/10 through 12/10	226,298	0	0	0	0	0	0	0	0.00
1/11 through 12/11	117,938	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	967,553	0	0	0	0	0	2,492	2,492	0.26
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.000	9%	0.258	0.26			
Pure Premium Indicated by National Relativity		30%	10.109	32%	6.449	16.56			
Pure Premium Present on Rate Level		62%	6.784	59%	4.602	11.39			
Pure Premium Derived by Formula		7.239			4.802			12.04	

CLASS 5535		SHEET METAL WORK - INSTALLATION & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	64,836	0	0	0	0	0	0	0	0.00
1/08 through 12/08	34,990,470	4	245,600	18	685,334	823,064	789,333	2,543,331	7.27
1/09 through 12/09	74,491,313	12	597,324	33	803,458	1,446,007	1,154,443	4,001,232	5.37
1/10 through 12/10	77,967,787	4	443,575	37	1,516,415	894,065	1,712,452	4,566,507	5.86
1/11 through 12/11	84,083,056	10	1,649,621	33	2,701,652	2,170,326	2,025,969	8,547,568	10.17
5 YR. TOTAL	271,597,462	30	2,936,120	121	5,706,859	5,333,462	5,682,197	19,658,638	7.24
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		56%	3.182	81%	4.056	7.24			
Pure Premium Indicated by National Relativity		22%	3.369	9%	3.210	6.58			
Pure Premium Present on Rate Level		22%	2.843	10%	3.559	6.40			
Pure Premium Derived by Formula		3.149			3.930			7.08	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 5537		<b>HEATING, VENTILATION, AIR-CONDITIONING AND REFRIGERATION SYSTEMS-INSTALLATION, SERVICE AND REPAIR, SHOP, YARD &amp; DRIVERS</b>							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	433,416,140	57	5,450,486	203	5,059,817	6,388,965	5,441,598	22,340,866	5.16
1/08 through 12/08	425,321,565	46	4,186,423	157	3,396,839	4,077,886	3,683,291	15,344,439	3.61
1/09 through 12/09	399,454,180	49	4,978,124	154	4,963,617	4,374,046	4,604,780	18,920,567	4.74
1/10 through 12/10	415,737,180	60	6,768,807	181	5,581,872	5,766,299	5,795,510	23,912,488	5.75
1/11 through 12/11	442,911,935	60	8,762,175	184	6,907,515	8,292,653	6,664,912	30,627,255	6.92
5 YR. TOTAL	2,116,841,000	272	30,146,015	879	25,909,660	28,899,849	26,190,091	111,145,615	5.25
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		100%	2.648	100%	2.602			5.25	
Pure Premium Indicated by National Relativity		0%	2.684	0%	2.311			5.00	
Pure Premium Present on Rate Level		0%	2.521	0%	2.434			4.96	
Pure Premium Derived by Formula			2.648		2.602			5.25	

<b>CLASS</b> 5538		<b>SHEET METAL WORK-SHOP AND OUTSIDE-NOC &amp; DRIVERS</b>							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	130,938,972	20	1,775,603	58	2,150,971	1,419,659	2,040,809	7,387,042	5.64
1/08 through 12/08	59,968,193	9	644,164	28	816,775	987,712	996,953	3,445,604	5.75
1/09 through 12/09	222,792	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	191,129,957	29	2,419,767	86	2,967,746	2,407,371	3,037,762	10,832,646	5.67
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		48%	2.819	65%	2.849			5.67	
Pure Premium Indicated by National Relativity		20%	1.508	17%	1.193			2.70	
Pure Premium Present on Rate Level		32%	2.806	18%	2.891			5.70	
Pure Premium Derived by Formula			2.553		2.575			5.13	

<b>CLASS</b> 5551		<b>ROOFING-ALL KINDS &amp; DRIVERS</b>							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	83,549,525	23	2,016,038	68	2,094,003	4,758,733	2,451,810	11,320,584	13.55
1/08 through 12/08	80,450,845	18	2,183,382	45	1,324,618	2,608,690	1,611,620	7,728,310	9.61
1/09 through 12/09	73,166,829	28	2,368,050	49	2,007,297	4,053,861	2,219,255	10,648,463	14.55
1/10 through 12/10	73,569,617	29	2,085,455	61	3,486,550	3,054,576	3,214,141	11,840,722	16.10
1/11 through 12/11	77,492,435	37	4,884,982	63	3,822,128	6,791,318	3,681,008	19,179,436	24.75
5 YR. TOTAL	388,229,251	135	13,537,907	286	12,734,596	21,267,178	13,177,834	60,717,515	15.64
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		90%	6.767	100%	8.872			15.64	
Pure Premium Indicated by National Relativity		5%	7.577	0%	8.743			16.32	
Pure Premium Present on Rate Level		5%	6.550	0%	8.704			15.25	
Pure Premium Derived by Formula			6.797		8.872			15.67	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> <b>5606</b>		<b>CONTRACTOR--PROJECT MANAGER, CONSTRUCTION EXECUTIVE, CONSTRUCTION MANAGER OR CONSTRUCTION SUPERINTENDENT</b>							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	958,975,599	33	3,888,654	81	3,946,333	4,327,353	2,985,886	15,148,226	1.58
1/08 through 12/08	907,681,139	28	4,729,996	74	3,229,334	4,570,020	3,023,225	15,552,575	1.71
1/09 through 12/09	744,774,787	19	2,153,674	67	3,514,820	1,964,434	2,708,423	10,341,351	1.39
1/10 through 12/10	718,064,008	15	1,804,050	62	3,211,895	2,923,535	2,554,550	10,494,030	1.46
1/11 through 12/11	770,485,205	10	1,505,916	58	2,761,701	824,110	3,067,332	8,159,059	1.06
<b>5 YR. TOTAL</b>	<b>4,099,980,738</b>	<b>105</b>	<b>14,082,290</b>	<b>342</b>	<b>16,664,083</b>	<b>14,609,452</b>	<b>14,339,416</b>	<b>59,695,241</b>	<b>1.46</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	0.750	100%	0.706	1.46			
Pure Premium Indicated by National Relativity		0%	0.749	0%	0.703	1.45			
Pure Premium Present on Rate Level		0%	0.866	0%	0.802	1.67			
Pure Premium Derived by Formula		0.750			0.706			1.46	

<b>CLASS</b> <b>5610</b>		<b>CLEANER - DEBRIS REMOVAL - CONSTRUCTION</b>							
Industry Group: Contracting Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	22,514,337	2	63,791	26	767,968	62,030	1,040,567	1,934,356	8.59
1/08 through 12/08	17,981,151	0	0	14	362,560	0	375,320	737,880	4.10
1/09 through 12/09	13,422,440	4	280,891	10	289,948	201,560	158,283	930,682	6.93
1/10 through 12/10	15,269,316	4	95,054	17	311,301	93,008	273,323	772,686	5.06
1/11 through 12/11	19,049,439	2	377,797	16	371,376	449,922	391,109	1,590,204	8.35
<b>5 YR. TOTAL</b>	<b>88,236,683</b>	<b>12</b>	<b>817,533</b>	<b>83</b>	<b>2,103,153</b>	<b>806,520</b>	<b>2,238,602</b>	<b>5,965,808</b>	<b>6.76</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	3.310	49%	3.451	6.76			
Pure Premium Indicated by National Relativity		32%	2.640	25%	2.713	5.35			
Pure Premium Present on Rate Level		32%	2.954	26%	3.095	6.05			
Pure Premium Derived by Formula		2.982			3.174			6.16	

<b>CLASS</b> <b>5645</b>		<b>CARPENTRY- CONSTRUCTION OF RESIDENTIAL DWELLINGS NOT EXCEEDING THREE STORIES IN HEIGHT</b>							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	511,762,161	99	12,361,916	445	16,354,464	15,976,354	17,988,808	62,681,542	12.25
1/08 through 12/08	348,600,691	67	7,818,531	286	12,862,159	10,229,096	12,359,318	43,269,104	12.41
1/09 through 12/09	236,488,760	55	5,071,414	184	8,321,864	6,509,906	8,050,448	27,953,632	11.82
1/10 through 12/10	214,609,052	58	7,052,798	187	8,090,539	7,956,083	8,259,410	31,358,830	14.61
1/11 through 12/11	205,544,904	51	6,768,874	153	9,101,369	9,117,763	8,791,775	33,779,781	16.43
<b>5 YR. TOTAL</b>	<b>1,517,005,568</b>	<b>330</b>	<b>39,073,533</b>	<b>1,255</b>	<b>54,730,395</b>	<b>49,789,202</b>	<b>55,449,759</b>	<b>199,042,889</b>	<b>13.12</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	6.183	100%	6.937	13.12			
Pure Premium Indicated by National Relativity		0%	5.433	0%	5.742	11.18			
Pure Premium Present on Rate Level		0%	6.077	0%	6.528	12.61			
Pure Premium Derived by Formula		6.183			6.937			13.12	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 5703		BUILDING RAISING OR MOVING							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,310,290	1	184,693	3	55,945	91,298	61,082	393,018	29.99
1/08 through 12/08	985,962	0	0	2	117,916	0	76,631	194,547	19.73
1/09 through 12/09	550,425	0	0	1	9,308	0	10,484	19,792	3.60
1/10 through 12/10	384,143	0	0	1	40,721	0	50,785	91,506	23.82
1/11 through 12/11	450,602	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	3,681,422	1	184,693	7	223,890	91,298	198,982	698,863	18.98
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		16%	11.098	19%	7.885	18.98			
Pure Premium Indicated by National Relativity		27%	8.374	28%	6.730	15.10			
Pure Premium Present on Rate Level		57%	9.103	53%	7.171	16.27			
Pure Premium Derived by Formula		9.225			7.183			16.41	

CLASS 5705		SALVAGE OPERATION-NO WRECKING OR ANY STRUCTURAL OPERATIONS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,498,574	0	0	1	47,428	0	41,619	89,047	5.94
1/08 through 12/08	886,621	0	0	1	9,523	0	7,824	17,347	1.96
1/09 through 12/09	804,623	1	344,430	3	18,090	88,769	11,117	462,406	57.47
1/10 through 12/10	502,411	0	0	4	175,039	0	609,236	784,275	156.10
1/11 through 12/11	164,892	0	0	1	201,043	0	79,715	280,758	170.27
5 YR. TOTAL	3,857,121	1	344,430	10	451,123	88,769	749,511	1,633,833	42.36
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	20.626	21%	21.733	42.36			
Pure Premium Indicated by National Relativity		21%	6.204	22%	7.111	13.32			
Pure Premium Present on Rate Level		67%	4.461	57%	8.293	12.75			
Pure Premium Derived by Formula		6.767			10.855			17.62	

CLASS 5951		SERUM, ANTI-TOXIN OR VIRUS MFG & DRIVERS							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	11,138,174	0	0	0	0	0	2,206	2,206	0.02
1/08 through 12/08	20,801,146	1	42,307	1	25,873	19,039	6,452	93,671	0.45
1/09 through 12/09	24,395,703	0	0	0	0	0	8,062	8,062	0.03
1/10 through 12/10	27,025,280	0	0	0	0	0	4,217	4,217	0.02
1/11 through 12/11	36,943,465	0	0	2	26,140	0	17,865	44,005	0.12
5 YR. TOTAL	120,303,768	1	42,307	3	52,013	19,039	38,802	152,161	0.13
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	0.078	17%	0.048	0.13			
Pure Premium Indicated by National Relativity		32%	0.171	34%	0.282	0.45			
Pure Premium Present on Rate Level		56%	0.132	49%	0.173	0.31			
Pure Premium Derived by Formula		0.138			0.189			0.33	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6003		PILE DRIVING							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,812,360	0	0	4	45,079	0	49,759	94,838	1.97
1/08 through 12/08	3,858,849	0	0	3	268,857	0	165,041	433,898	11.24
1/09 through 12/09	3,597,188	1	83,639	0	0	123,195	11,991	218,825	6.08
1/10 through 12/10	4,448,324	0	0	0	0	0	16,450	16,450	0.37
1/11 through 12/11	3,889,908	1	73,641	4	225,610	66,018	217,690	582,959	14.99
5 YR. TOTAL	20,606,629	2	157,280	11	539,546	189,213	460,931	1,346,970	6.54
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		22%	3.382	26%	3.155	6.54			
Pure Premium Indicated by National Relativity		39%	5.646	37%	4.368	10.01			
Pure Premium Present on Rate Level		39%	3.612	37%	2.696	6.31			
Pure Premium Derived by Formula		4.355			3.434			7.79	

CLASS 6005		JETTY OR BREAKWATER CONSTRUCTION-ALL OPERATIONS TO COMPLETION & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	682,744	1	183,936	0	0	0	0	183,936	26.94
1/08 through 12/08	496,686	0	0	0	0	0	0	0	0.00
1/09 through 12/09	134,307	0	0	0	0	0	0	0	0.00
1/10 through 12/10	298,757	0	0	0	0	0	984	984	0.33
1/11 through 12/11	375,379	0	0	1	156	0	1,141	1,297	0.35
5 YR. TOTAL	1,987,873	1	183,936	1	156	0	2,125	186,217	9.37
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	9.261	8%	0.107	9.37			
Pure Premium Indicated by National Relativity		14%	0.906	15%	1.697	2.60			
Pure Premium Present on Rate Level		77%	3.952	77%	1.609	5.56			
Pure Premium Derived by Formula		4.003			1.502			5.51	

CLASS 6017		DAM OR LOCK CONSTRUCTION: CONCRETE WORK-ALL OPERATIONS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,145,831	0	0	0	0	0	0	0	0.00
1/08 through 12/08	625,860	0	0	0	0	0	0	0	0.00
1/09 through 12/09	343,395	0	0	0	0	0	0	0	0.00
1/10 through 12/10	513,540	0	0	0	0	0	0	0	0.00
1/11 through 12/11	879,703	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	3,508,329	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		11%	0.000	11%	0.000	0.00			
Pure Premium Indicated by National Relativity		25%	2.548	26%	2.267	4.82			
Pure Premium Present on Rate Level		64%	3.474	63%	1.954	5.43			
Pure Premium Derived by Formula		2.860			1.820			4.68	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6018		DAM OR LOCK CONSTRUCTION: EARTH MOVING OR PLACING-ALL OPERATIONS & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	84,845	0	0	0	0	0	0	0	0.00
1/08 through 12/08	1,824,652	0	0	0	0	0	1,921	1,921	0.11
1/09 through 12/09	3,799,173	0	0	1	261,731	0	79,204	340,935	8.97
1/10 through 12/10	2,529,329	0	0	0	0	0	0	0	0.00
1/11 through 12/11	293,142	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	8,531,141	0	0	1	261,731	0	81,125	342,856	4.02
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		13%	3.068	13%	0.951	4.02			
Pure Premium Indicated by National Relativity		17%	1.994	18%	0.717	2.71			
Pure Premium Present on Rate Level		70%	2.257	69%	1.104	3.36			
Pure Premium Derived by Formula		2.318			1.014			3.33	

CLASS 6045		LEVEE CONSTRUCTION-ALL OPERATIONS TO COMPLETION & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		24%	2.840	26%	2.147	4.99			
Pure Premium Present on Rate Level		76%	1.823	74%	1.209	3.03			
Pure Premium Derived by Formula		2.067			1.453			3.52	

CLASS 6204		DRILLING NOC & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	21,116,952	4	635,820	13	325,592	334,288	206,383	1,502,083	7.11
1/08 through 12/08	19,290,842	4	399,870	17	296,147	570,095	475,248	1,741,360	9.03
1/09 through 12/09	15,030,742	2	182,746	6	48,951	244,209	120,285	596,191	3.97
1/10 through 12/10	15,592,902	2	476,643	11	352,593	432,458	231,577	1,493,271	9.58
1/11 through 12/11	13,442,729	4	266,482	7	729,415	712,317	1,166,471	2,874,685	21.38
5 YR. TOTAL	84,474,167	16	1,961,561	54	1,752,698	2,293,367	2,199,964	8,207,590	9.72
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		44%	4.397	59%	5.319	9.72			
Pure Premium Indicated by National Relativity		28%	5.844	20%	5.112	10.96			
Pure Premium Present on Rate Level		28%	5.068	21%	5.048	10.12			
Pure Premium Derived by Formula		4.990			5.221			10.21	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6206		OIL OR GAS WELL: CEMENTING & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,203	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	3,355	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	7,558	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.000	0.00			
Pure Premium Indicated by National Relativity		49%	1.993	49%	1.726	3.72			
Pure Premium Present on Rate Level		50%	2.113	50%	1.788	3.90			
Pure Premium Derived by Formula		2.033			1.740			3.77	

CLASS 6213		OIL OR GAS - WELL - SPECIALTY TOOL & EQUIPMENT LEASING NOC - ALL EMPLOYEES AND DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	34,436	0	0	0	0	0	0	0	0.00
1/09 through 12/09	2,699	0	0	0	0	0	0	0	0.00
1/10 through 12/10	132,881	0	0	0	0	0	0	0	0.00
1/11 through 12/11	246,641	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	416,657	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	4%	0.000	0.00			
Pure Premium Indicated by National Relativity		48%	1.321	48%	1.191	2.51			
Pure Premium Present on Rate Level		49%	1.361	48%	1.126	2.49			
Pure Premium Derived by Formula		1.301			1.112			2.41	

CLASS 6214		OIL OR GAS WELL: PERFORATING OF CASING-ALL EMPLOYEES & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	82,815	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	82,815	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	2%	0.000	0.00			
Pure Premium Indicated by National Relativity		25%	1.763	27%	1.280	3.04			
Pure Premium Present on Rate Level		73%	1.510	71%	1.328	2.84			
Pure Premium Derived by Formula		1.543			1.288			2.83	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6216		OIL OR GAS - LEASE WORK NOC - BY SPECIALIST CONTRACTOR & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	21,062	0	0	0	0	0	0	0	0.00
1/10 through 12/10	21,062	0	0	0	0	0	0	0	0.00
1/11 through 12/11	3,180	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	45,304	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	2%	0.000	0.000	0.000	0.000	0.00
Pure Premium Indicated by National Relativity		49%	3.882	49%	3.185	3.185	3.185	3.185	7.07
Pure Premium Present on Rate Level		49%	3.885	49%	2.930	2.930	2.930	2.930	6.82
Pure Premium Derived by Formula			3.806		2.996	2.996	2.996	2.996	6.80

CLASS 6217		EXCAVATION & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	452,291,956	48	6,522,072	181	8,474,012	7,539,206	6,064,818	28,600,108	6.32
1/08 through 12/08	344,193,464	44	6,264,622	112	3,500,543	6,240,832	3,777,064	19,783,061	5.75
1/09 through 12/09	275,706,307	33	4,140,547	97	3,965,004	3,575,661	3,109,527	14,790,739	5.37
1/10 through 12/10	268,492,017	24	2,929,769	89	4,655,593	2,570,543	4,168,778	14,324,683	5.34
1/11 through 12/11	260,156,283	30	2,961,024	93	4,849,142	3,099,935	5,187,133	16,097,234	6.19
5 YR. TOTAL	1,600,840,027	179	22,818,034	572	25,444,294	23,026,177	22,307,320	93,595,825	5.85
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	3.015	100%	2.832	2.832	2.832	2.832	5.85
Pure Premium Indicated by National Relativity		0%	2.848	0%	2.510	2.510	2.510	2.510	5.36
Pure Premium Present on Rate Level		0%	3.205	0%	3.018	3.018	3.018	3.018	6.22
Pure Premium Derived by Formula			3.015		2.832	2.832	2.832	2.832	5.85

CLASS 6229		IRRIGATION OR DRAINAGE SYSTEM CONSTRUCTION & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	20,854,461	3	262,448	7	88,193	239,707	130,649	720,997	3.46
1/08 through 12/08	16,769,356	1	20,332	1	199	23,487	12,313	56,331	0.34
1/09 through 12/09	13,477,890	2	151,985	5	259,685	95,529	288,999	796,198	5.91
1/10 through 12/10	12,003,264	2	265,789	3	12,302	154,238	34,880	467,209	3.89
1/11 through 12/11	12,581,207	0	0	4	75,704	0	80,766	156,470	1.24
5 YR. TOTAL	75,686,178	8	700,554	20	436,083	512,961	547,607	2,197,205	2.90
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		29%	1.502	38%	1.401	1.401	1.401	1.401	2.90
Pure Premium Indicated by National Relativity		35%	2.405	31%	2.158	2.158	2.158	2.158	4.56
Pure Premium Present on Rate Level		36%	2.031	31%	1.880	1.880	1.880	1.880	3.91
Pure Premium Derived by Formula			2.008		1.784	1.784	1.784	1.784	3.79

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6233		OIL OR GAS PIPELINE CONSTRUCTION & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,755,934	0	0	0	0	0	2,861	2,861	0.10
1/08 through 12/08	2,479,418	0	0	2	17,771	0	60,177	77,948	3.14
1/09 through 12/09	3,441,279	0	0	2	55,468	0	58,249	113,717	3.31
1/10 through 12/10	13,130,213	0	0	2	369,767	0	185,600	555,367	4.23
1/11 through 12/11	10,752,031	0	0	1	9,147	0	51,244	60,391	0.56
5 YR. TOTAL	32,558,875	0	0	7	452,153	0	358,131	810,284	2.49
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		22%	1.389	25%	1.100			2.49	
Pure Premium Indicated by National Relativity		39%	2.116	37%	1.525			3.64	
Pure Premium Present on Rate Level		39%	2.235	38%	1.528			3.76	
Pure Premium Derived by Formula		2.002			1.420		3.42		

CLASS 6235		OIL OR GAS WELL: DRILLING OR REDRILLING & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	331,291	0	0	0	0	0	0	0	0.00
1/08 through 12/08	192,185	0	0	0	0	0	0	0	0.00
1/09 through 12/09	180,526	0	0	0	0	0	0	0	0.00
1/10 through 12/10	271,593	0	0	0	0	0	0	0	0.00
1/11 through 12/11	279,656	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,255,251	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		8%	0.000	9%	0.000			0.00	
Pure Premium Indicated by National Relativity		46%	4.410	45%	3.426			7.84	
Pure Premium Present on Rate Level		46%	4.261	46%	3.031			7.29	
Pure Premium Derived by Formula		3.989			2.936		6.93		

CLASS 6236		OIL OR GAS WELL: INSTALLATION OR RECOVERY OF CASING & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		0%	0.000	0%	0.000			0.00	
Pure Premium Indicated by National Relativity		44%	6.052	46%	6.293			12.35	
Pure Premium Present on Rate Level		56%	5.927	54%	4.447			10.37	
Pure Premium Derived by Formula		5.982			5.296		11.28		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6237		OIL OR GAS WELL: INSTRUMENT LOGGING OR SURVEY WORK & DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	104,219	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	6,556	0	0	0	0	0	0	0	0.00
1/10 through 12/10	90,829	0	0	0	0	0	0	0	0.00
1/11 through 12/11	124,377	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	325,981	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	3%	0.000	0.00			
Pure Premium Indicated by National Relativity		49%	1.107	48%	0.848	1.96			
Pure Premium Present on Rate Level		49%	0.988	49%	0.758	1.75			
Pure Premium Derived by Formula		1.027			0.778			1.81	

CLASS 6251		TUNNELING-NOT PNEUMATIC-ALL OPERATIONS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	196,794	0	0	0	0	0	0	0	0.00
1/08 through 12/08	59,801	0	0	0	0	0	430	430	0.72
1/09 through 12/09	709,631	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,051,965	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,018,191	0	0	0	0	0	430	430	0.02
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.000	13%	0.021	0.02			
Pure Premium Indicated by National Relativity		31%	2.997	32%	1.529	4.53			
Pure Premium Present on Rate Level		59%	5.303	55%	5.359	10.66			
Pure Premium Derived by Formula		4.058			3.439			7.50	

CLASS 6252		SHAFT SINKING-ALL OPERATIONS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	529,820	0	0	0	0	0	0	0	0.00
1/08 through 12/08	239,147	0	0	0	0	0	0	0	0.00
1/09 through 12/09	615,905	0	0	0	0	0	0	0	0.00
1/10 through 12/10	872,507	0	0	0	0	0	0	0	0.00
1/11 through 12/11	1,283,446	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	3,540,825	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.000	12%	0.000	0.00			
Pure Premium Indicated by National Relativity		36%	2.665	38%	2.777	5.44			
Pure Premium Present on Rate Level		54%	3.233	50%	2.216	5.45			
Pure Premium Derived by Formula		2.705			2.163			4.87	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6260		TUNNELING-PNEUMATIC-ALL OPERATIONS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	3.463	100%	1.456	4.92			
Pure Premium Derived by Formula		3.463			1.456			4.92	

CLASS 6306		SEWER CONSTRUCTION-ALL OPERATIONS & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	89,002,507	9	1,308,067	49	1,105,579	1,075,938	1,307,957	4,797,541	5.39
1/08 through 12/08	67,421,188	5	344,710	24	1,219,601	800,008	1,492,416	3,856,735	5.72
1/09 through 12/09	56,300,189	4	156,848	22	469,899	219,826	659,530	1,506,103	2.68
1/10 through 12/10	55,233,841	6	595,229	31	994,108	639,102	1,010,449	3,238,888	5.86
1/11 through 12/11	56,067,039	6	151,631	20	1,302,041	332,273	874,978	2,660,923	4.75
5 YR. TOTAL	324,024,764	30	2,556,485	146	5,091,228	3,067,147	5,345,330	16,060,190	4.96
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		59%	2.360	79%	2.596	4.96			
Pure Premium Indicated by National Relativity		20%	2.675	10%	2.410	5.09			
Pure Premium Present on Rate Level		21%	2.729	11%	2.792	5.52			
Pure Premium Derived by Formula		2.500			2.599			5.10	

CLASS 6319		GAS MAIN OR CONNECTION CONSTRUCTION & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	113,967,092	3	540,181	30	977,634	501,336	1,248,498	3,267,649	2.87
1/08 through 12/08	95,571,492	8	1,311,263	39	2,090,095	1,192,486	1,772,085	6,365,929	6.66
1/09 through 12/09	77,813,802	11	1,732,325	41	1,589,303	1,263,181	1,233,503	5,818,312	7.48
1/10 through 12/10	68,625,423	10	1,663,272	18	935,047	2,175,141	715,599	5,489,059	8.00
1/11 through 12/11	68,361,894	5	522,383	15	585,789	1,214,182	735,301	3,057,655	4.47
5 YR. TOTAL	424,339,703	37	5,769,424	143	6,177,868	6,346,326	5,704,986	23,998,604	5.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		66%	2.816	89%	2.840	5.66			
Pure Premium Indicated by National Relativity		17%	2.104	5%	1.928	4.03			
Pure Premium Present on Rate Level		17%	2.761	6%	2.858	5.62			
Pure Premium Derived by Formula		2.686			2.795			5.48	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6325		CONDUIT CONSTRUCTION-FOR CABLES OR WIRES-& DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	20,755,746	2	11,193	3	160,984	34,293	68,230	274,700	1.32
1/08 through 12/08	16,374,793	1	137,155	4	115,119	81,718	112,365	446,357	2.73
1/09 through 12/09	17,064,935	2	246,715	2	52,939	80,473	109,705	489,832	2.87
1/10 through 12/10	19,668,956	3	818,773	7	548,775	937,720	458,079	2,763,347	14.05
1/11 through 12/11	23,623,598	1	31,882	12	619,549	51,033	773,886	1,476,350	6.25
5 YR. TOTAL	97,488,028	9	1,245,718	28	1,497,366	1,185,237	1,522,265	5,450,586	5.59
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		37%	2.814	46%	2.777	5.59			
Pure Premium Indicated by National Relativity		31%	2.623	27%	2.424	5.05			
Pure Premium Present on Rate Level		32%	2.768	27%	2.381	5.15			
Pure Premium Derived by Formula		2.740			2.575			5.32	

CLASS 6400		FENCE INSTALLATION AND REPAIR - METAL, VINYL, WOOD, OR PREFABRICATED CONCRETE PANEL FENCE INSTALLED BY HAND							
Industry Group: Contracting Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	21,956,006	2	39,367	12	517,088	25,953	396,090	978,498	4.46
1/08 through 12/08	18,269,057	1	145,556	6	114,792	190,440	167,369	618,157	3.38
1/09 through 12/09	16,720,534	1	10,195	12	138,077	5,578	240,354	394,204	2.36
1/10 through 12/10	16,493,618	1	34,085	12	420,152	72,878	466,880	993,995	6.03
1/11 through 12/11	19,257,482	3	371,249	14	205,741	480,856	257,482	1,315,328	6.83
5 YR. TOTAL	92,696,697	8	600,452	56	1,395,850	775,705	1,528,175	4,300,182	4.64
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	2.154	46%	2.485	4.64			
Pure Premium Indicated by National Relativity		32%	3.812	27%	3.204	7.02			
Pure Premium Present on Rate Level		32%	2.695	27%	2.454	5.15			
Pure Premium Derived by Formula		2.858			2.671			5.53	

CLASS 6503		POTATO CHIP, POPCORN & SNACK CHIP MFG. NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		20%	0.237	21%	0.306	0.54			
Pure Premium Present on Rate Level		80%	1.070	79%	1.169	2.24			
Pure Premium Derived by Formula		0.903			0.988			1.89	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6504		FOOD PRODUCTS MFG. NOC							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	141,956,261	15	986,136	35	1,053,559	1,000,894	870,985	3,911,574	2.76
1/08 through 12/08	151,270,748	13	874,583	37	658,728	1,388,056	786,519	3,707,886	2.45
1/09 through 12/09	165,351,567	5	307,933	39	374,242	216,497	576,847	1,475,519	0.89
1/10 through 12/10	121,558,233	6	509,032	41	579,164	806,179	807,754	2,702,129	2.22
1/11 through 12/11	138,790,011	7	153,550	46	1,331,785	197,724	1,438,901	3,121,960	2.25
5 YR. TOTAL	718,926,820	46	2,831,234	198	3,997,478	3,609,350	4,481,006	14,919,068	2.08
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		56%	0.950	77%	1.125	2.08			
Pure Premium Indicated by National Relativity		22%	1.142	11%	1.161	2.30			
Pure Premium Present on Rate Level		22%	1.070	12%	1.169	2.24			
Pure Premium Derived by Formula		1.019			1.134			2.15	

CLASS 6811		BOAT BUILDING-WOOD-NOC & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,932,868	0	0	2	525,033	0	314,392	839,425	43.43
1/08 through 12/08	334,288	0	0	0	0	0	830	830	0.25
1/09 through 12/09	105,444	0	0	0	0	0	0	0	0.00
1/10 through 12/10	122,806	0	0	0	0	0	0	0	0.00
1/11 through 12/11	249,034	0	0	0	0	0	774	774	0.31
5 YR. TOTAL	2,744,440	0	0	2	525,033	0	315,996	841,029	30.65
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		9%	19.131	11%	11.514	30.65			
Pure Premium Indicated by National Relativity		12%	3.688	13%	3.169	6.86			
Pure Premium Present on Rate Level		79%	3.370	76%	2.589	5.96			
Pure Premium Derived by Formula		4.827			3.646			8.47	

CLASS 6834		BOAT BUILDING OR REPAIR & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	102,570,084	8	834,037	36	664,777	536,942	590,692	2,626,448	2.56
1/08 through 12/08	60,609,079	3	268,250	12	174,726	344,983	229,878	1,017,837	1.68
1/09 through 12/09	43,671,897	2	19,685	7	48,752	34,145	160,372	262,954	0.60
1/10 through 12/10	47,861,125	3	292,357	9	74,623	360,723	406,216	1,133,919	2.37
1/11 through 12/11	39,311,468	2	472,355	8	208,466	557,896	177,830	1,416,547	3.60
5 YR. TOTAL	294,023,653	18	1,886,684	72	1,171,344	1,834,689	1,564,988	6,457,705	2.20
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		43%	1.040	54%	1.156	2.20			
Pure Premium Indicated by National Relativity		28%	2.108	23%	2.239	4.35			
Pure Premium Present on Rate Level		29%	1.342	23%	1.190	2.53			
Pure Premium Derived by Formula		1.427			1.413			2.84	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6836		MARINA & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	13,731,956	2	82,385	2	4,061	64,660	24,861	175,967	1.28
1/08 through 12/08	13,220,576	1	446,500	3	26,026	238,790	35,231	746,547	5.65
1/09 through 12/09	12,759,366	2	82,134	7	148,642	189,847	106,158	526,781	4.13
1/10 through 12/10	12,466,452	1	248,963	5	362,323	140,951	163,110	915,347	7.34
1/11 through 12/11	11,874,188	0	0	3	133,359	0	145,628	278,987	2.35
5 YR. TOTAL	64,052,538	6	859,982	20	674,411	634,248	474,988	2,643,629	4.13
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		29%	2.396	41%	1.732			4.13	
Pure Premium Indicated by National Relativity		35%	1.783	29%	2.273			4.06	
Pure Premium Present on Rate Level		36%	2.378	30%	2.678			5.06	
Pure Premium Derived by Formula		2.175			2.173		4.35		

CLASS 6854		SHIP BUILDING-IRON OR STEEL-NOC & DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		0%	0.000	0%	0.000			0.00	
Pure Premium Indicated by National Relativity		14%	0.825	15%	1.121			1.95	
Pure Premium Present on Rate Level		86%	2.632	85%	2.334			4.97	
Pure Premium Derived by Formula		2.379			2.152		4.53		

CLASS 6882		SHIP REPAIR CONVERSION-ALL OPERATIONS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,266	0	0	0	0	0	0	0	0.00
1/10 through 12/10	10,464	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	11,730	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		1%	0.000	1%	0.000			0.00	
Pure Premium Indicated by National Relativity		19%	2.311	20%	2.874			5.19	
Pure Premium Present on Rate Level		80%	2.582	79%	1.781			4.36	
Pure Premium Derived by Formula		2.505			1.982		4.49		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 6884		SHIP SCALING							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	33,380	0	0	0	0	0	0	0	0.00
1/08 through 12/08	36,921	0	0	0	0	0	0	0	0.00
1/09 through 12/09	19,890	0	0	0	0	0	0	0	0.00
1/10 through 12/10	27,604	0	0	0	0	0	0	0	0.00
1/11 through 12/11	15,210	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	133,005	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	3%	0.000	0.00			
Pure Premium Indicated by National Relativity		11%	1.605	12%	1.154	2.76			
Pure Premium Present on Rate Level		86%	4.709	85%	2.250	6.96			
Pure Premium Derived by Formula		4.226			2.051			6.28	

CLASS 7016 ++		VESSELS-NOC-PROGRAM I							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	2.271	100%	1.045	3.32			
Pure Premium Derived by Formula		2.271			1.045			3.32	

CLASS 7024		VESSELS-NOC-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	259,092	0	0	0	0	0	0	0	0.00
1/08 through 12/08	137,196	0	0	0	0	0	0	0	0.00
1/09 through 12/09	71,553	0	0	0	0	0	0	0	0.00
1/10 through 12/10	174,098	0	0	0	0	0	0	0	0.00
1/11 through 12/11	174,115	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	816,054	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.000	5%	0.000	0.00			
Pure Premium Indicated by National Relativity		24%	1.612	25%	0.968	2.58			
Pure Premium Present on Rate Level		71%	2.521	70%	1.160	3.68			
Pure Premium Derived by Formula		2.177			1.054			3.23	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS		BOAT LIVERY-BOATS UNDER 15 TONS-PROGRAM I							
7038 ++									
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	2.046	100%	2.904	4.95			
Pure Premium Derived by Formula		2.046			2.904			4.95	

CLASS		VESSELS-NOT SELF-PROPELLED-PROGRAM I							
7046 ++									
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	3.371	100%	2.835	6.21			
Pure Premium Derived by Formula		3.371			2.835			6.21	

CLASS		VESSELS-NOC-PROGRAM II-USL ACT							
7047 ++									
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	4.910	100%	3.580	8.49			
Pure Premium Derived by Formula		4.910			3.580			8.49	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 7050 ++		<b>BOAT LIVERY-BOATS UNDER 15 TONS-PROGRAM II-USL ACT</b>							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	8.377	100%	3.124	11.50			
Pure Premium Derived by Formula		8.377			3.124			11.50	

<b>CLASS</b> 7090		<b>BOAT LIVERY-BOATS UNDER 15 TONS-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING</b>							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	123,253	0	0	0	0	0	3,168	3,168	2.57
1/08 through 12/08	178,008	0	0	0	0	0	0	0	0.00
1/09 through 12/09	142,877	0	0	0	0	0	0	0	0.00
1/10 through 12/10	142,685	0	0	0	0	0	0	0	0.00
1/11 through 12/11	157,950	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	744,773	0	0	0	0	0	3,168	3,168	0.43
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.000	7%	0.425	0.43			
Pure Premium Indicated by National Relativity		27%	1.780	29%	4.152	5.93			
Pure Premium Present on Rate Level		68%	2.274	64%	3.228	5.50			
Pure Premium Derived by Formula		2.027			3.300			5.33	

<b>CLASS</b> 7098		<b>VESSELS-NOT SELF-PROPELLED-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING</b>							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.222	0.22			
Pure Premium Present on Rate Level		100%	3.746	100%	3.150	6.90			
Pure Premium Derived by Formula		3.746			3.150			6.90	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS		VESSELS-NOT SELF-PROPELLED-PROGRAM II-USL ACT							
7099 + +									
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	6.236	100%	6.033	12.27			
Pure Premium Derived by Formula		6.236			6.033			12.27	

CLASS		RAILROAD OPERATION: NOC-ALL EMPLOYEES & DRIVERS							
7133									
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,644,915	0	0	0	0	0	734	734	0.03
1/08 through 12/08	3,107,811	0	0	2	55,308	0	59,669	114,977	3.70
1/09 through 12/09	2,267,429	0	0	3	96,439	0	206,789	303,228	13.37
1/10 through 12/10	2,794,409	0	0	0	0	0	2,190	2,190	0.08
1/11 through 12/11	2,564,132	0	0	1	35,853	0	72,690	108,543	4.23
5 YR. TOTAL	13,378,696	0	0	6	187,600	0	342,072	529,672	3.96
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		17%	1.402	21%	2.557	3.96			
Pure Premium Indicated by National Relativity		40%	2.528	39%	2.257	4.79			
Pure Premium Present on Rate Level		43%	2.875	40%	2.514	5.39			
Pure Premium Derived by Formula		2.486			2.423			4.91	

CLASS		TRUCKING: OIL FIELD EQUIPMENT-ALL EMPLOYEES & DRIVERS							
7222									
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	210,673	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	210,673	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.000	4%	0.000	0.00			
Pure Premium Indicated by National Relativity		48%	4.642	48%	3.948	8.59			
Pure Premium Present on Rate Level		48%	4.408	48%	3.116	7.52			
Pure Premium Derived by Formula		4.344			3.391			7.74	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7228		TRUCKING - LOCAL HAULING ONLY & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	533,692,464	96	11,351,711	341	10,302,538	9,154,094	8,692,678	39,501,021	7.40
1/08 through 12/08	513,434,786	65	6,739,887	280	11,415,203	7,083,553	8,018,019	33,256,662	6.48
1/09 through 12/09	507,481,453	77	8,916,930	297	11,279,702	8,251,034	9,721,739	38,169,405	7.52
1/10 through 12/10	517,038,469	64	9,020,900	294	12,317,924	6,140,778	9,536,986	37,016,588	7.16
1/11 through 12/11	530,183,838	73	12,298,104	225	10,693,223	9,484,501	7,620,448	40,096,276	7.56
5 YR. TOTAL	2,601,831,010	375	48,327,532	1,437	56,008,590	40,113,960	43,589,870	188,039,952	7.23
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	4.010	100%	3.217	7.23			
Pure Premium Indicated by National Relativity		0%	4.076	0%	3.163	7.24			
Pure Premium Present on Rate Level		0%	4.280	0%	3.236	7.52			
Pure Premium Derived by Formula		4.010			3.217			7.23	

CLASS 7229		TRUCKING - LONG DISTANCE HAULING & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	699,816,057	148	18,825,028	391	16,957,652	15,394,614	11,825,208	63,002,502	9.00
1/08 through 12/08	625,793,830	120	17,433,062	328	16,263,443	14,504,907	11,620,196	59,821,608	9.56
1/09 through 12/09	579,992,596	143	22,389,448	364	16,570,154	16,731,094	12,706,816	68,397,512	11.79
1/10 through 12/10	605,604,655	131	22,913,177	375	21,458,705	14,374,409	13,900,556	72,646,847	12.00
1/11 through 12/11	619,322,693	118	17,427,505	346	21,190,210	15,273,119	13,809,753	67,700,587	10.93
5 YR. TOTAL	3,130,529,831	660	98,988,220	1,804	92,440,164	76,278,143	63,862,529	331,569,056	10.59
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	6.115	100%	4.477	10.59			
Pure Premium Indicated by National Relativity		0%	5.630	0%	4.085	9.72			
Pure Premium Present on Rate Level		0%	6.149	0%	4.300	10.45			
Pure Premium Derived by Formula		6.115			4.477			10.59	

CLASS 7230		TRUCKING: PARCEL OR PACKAGE DELIVERY-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,267,082	2	160,577	2	13,192	464,451	56,059	694,279	30.62
1/08 through 12/08	1,459,629	0	0	0	0	0	2,258	2,258	0.16
1/09 through 12/09	930,333	0	0	2	26,813	0	25,476	52,289	5.62
1/10 through 12/10	1,129,885	0	0	1	7,401	0	3,809	11,210	0.99
1/11 through 12/11	1,105,474	1	22,034	4	35,471	25,341	38,371	121,217	10.97
5 YR. TOTAL	6,892,403	3	182,611	9	82,877	489,792	125,973	881,253	12.79
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	3.852	19%	8.934	12.79			
Pure Premium Indicated by National Relativity		43%	4.518	40%	3.971	8.49			
Pure Premium Present on Rate Level		43%	3.855	41%	3.545	7.40			
Pure Premium Derived by Formula		4.140			4.739			8.88	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7231		MAIL, PARCEL OR PACKAGE DELIVERY AND COURIER OR MESSENGER SERVICE COMPANIES -- ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	47,787,300	23	1,837,512	53	1,118,528	1,466,409	1,106,333	5,528,782	11.57
1/08 through 12/08	41,903,107	13	815,312	37	894,708	841,926	687,377	3,239,323	7.73
1/09 through 12/09	47,780,992	8	1,176,926	38	1,051,240	686,600	763,299	3,678,065	7.70
1/10 through 12/10	41,505,640	7	515,940	25	502,693	225,662	272,334	1,516,629	3.65
1/11 through 12/11	44,622,784	11	735,330	33	857,793	589,413	700,754	2,883,290	6.46
5 YR. TOTAL	223,599,823	62	5,081,020	186	4,424,962	3,810,010	3,530,097	16,846,089	7.53
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		61%	4.251	74%		3.283		7.53	
Pure Premium Indicated by National Relativity		19%	5.459	13%		4.362		9.82	
Pure Premium Present on Rate Level		20%	4.409	13%		3.462		7.87	
Pure Premium Derived by Formula			4.512			3.447		7.96	

CLASS 7232		TRUCKING: MAIL PARCEL OR PACKAGE DELIVERY-UNDER CONTRACT WITH THE U.S. POSTAL SERVICE-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	35,621,303	10	1,204,877	23	1,192,027	578,547	894,381	3,869,832	10.86
1/08 through 12/08	29,382,525	4	862,936	16	1,111,745	409,249	759,417	3,143,347	10.70
1/09 through 12/09	27,718,065	5	475,074	13	814,612	242,830	911,760	2,444,276	8.82
1/10 through 12/10	37,533,547	9	1,595,817	19	1,535,933	1,448,347	1,058,448	5,638,545	15.02
1/11 through 12/11	27,818,581	1	75,592	15	810,626	103,463	520,415	1,510,096	5.43
5 YR. TOTAL	158,074,021	29	4,214,296	86	5,464,943	2,782,436	4,144,421	16,606,096	10.51
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		60%	6.123	67%		4.382		10.51	
Pure Premium Indicated by National Relativity		20%	5.429	16%		3.628		9.06	
Pure Premium Present on Rate Level		20%	5.947	17%		3.782		9.73	
Pure Premium Derived by Formula			5.949			4.159		10.11	

CLASS 7333 ++		DREDGING-ALL TYPES-PROGRAM I							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		0%	0.000	0%		0.000		0.00	
Pure Premium Indicated by National Relativity		0%	0.000	0%		0.000		0.00	
Pure Premium Present on Rate Level		100%	3.420	100%		1.461		4.88	
Pure Premium Derived by Formula			3.420			1.461		4.88	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7335		DREDGING-ALL TYPES-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	576,348	0	0	0	0	0	0	0	0.00
1/08 through 12/08	674,680	0	0	0	0	0	0	0	0.00
1/09 through 12/09	586,946	1	56,678	0	0	31,845	7,270	95,793	16.32
1/10 through 12/10	515,595	0	0	1	1,932	0	1,448	3,380	0.66
1/11 through 12/11	281,224	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,634,793	1	56,678	1	1,932	31,845	8,718	99,173	3.76
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	2.224	9%	1.540	3.76			
Pure Premium Indicated by National Relativity		8%	0.068	8%	0.169	0.24			
Pure Premium Present on Rate Level		82%	3.799	83%	1.623	5.42			
Pure Premium Derived by Formula		3.343			1.499			4.84	

CLASS 7337 + +		DREDGING-ALL TYPES-PROGRAM II-USL ACT							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	6.334	100%	3.214	9.55			
Pure Premium Derived by Formula		6.334			3.214			9.55	

CLASS 7360		FREIGHT HANDLING NOC							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	30,431,068	5	156,028	14	614,739	120,151	562,144	1,453,062	4.78
1/08 through 12/08	32,758,359	1	424,806	13	312,054	351,517	329,957	1,418,334	4.33
1/09 through 12/09	32,078,626	1	9,799	5	64,241	14,233	99,967	188,240	0.59
1/10 through 12/10	34,660,407	3	160,172	7	136,771	86,645	196,624	580,212	1.67
1/11 through 12/11	36,362,978	7	1,289,215	11	473,331	824,115	452,046	3,038,707	8.36
5 YR. TOTAL	166,291,438	17	2,040,020	50	1,601,136	1,396,661	1,640,738	6,678,555	4.02
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	2.190	50%	1.827	4.02			
Pure Premium Indicated by National Relativity		30%	2.959	25%	3.078	6.04			
Pure Premium Present on Rate Level		30%	1.972	25%	1.713	3.69			
Pure Premium Derived by Formula		2.355			2.111			4.47	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7370		TAXICAB CO.: ALL OTHER EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	44,430,146	9	595,301	30	494,925	610,593	475,001	2,175,820	4.90
1/08 through 12/08	27,535,329	12	753,622	35	713,019	453,788	704,246	2,624,675	9.53
1/09 through 12/09	10,955,596	5	380,103	14	83,496	414,002	71,569	949,170	8.66
1/10 through 12/10	13,612,703	1	216,702	1	26,287	254,336	49,564	546,889	4.02
1/11 through 12/11	10,629,090	2	62,888	6	677,016	61,044	137,312	938,260	8.83
5 YR. TOTAL	107,162,864	29	2,008,616	86	1,994,743	1,793,763	1,437,692	7,234,814	6.75
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		39%	3.736	52%	3.015	6.75			
Pure Premium Indicated by National Relativity		30%	2.619	24%	2.665	5.28			
Pure Premium Present on Rate Level		31%	2.899	24%	2.995	5.89			
Pure Premium Derived by Formula			3.141		2.926	6.07			

CLASS 7380		DRIVERS, CHAUFFEURS, MESSENGERS AND THEIR HELPERS NOC-COMMERCIAL							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	692,871,083	85	7,519,168	274	6,240,000	6,146,018	5,811,948	25,717,134	3.71
1/08 through 12/08	650,874,268	78	9,796,261	272	7,594,056	7,998,852	7,340,062	32,729,231	5.03
1/09 through 12/09	651,970,047	79	10,205,424	245	7,878,548	6,368,662	6,937,222	31,389,856	4.82
1/10 through 12/10	678,960,513	90	10,133,197	273	9,225,239	6,776,766	7,639,308	33,774,510	4.97
1/11 through 12/11	724,049,322	90	9,597,917	287	9,941,580	7,585,152	9,085,813	36,210,462	5.00
5 YR. TOTAL	3,398,725,233	422	47,251,967	1,351	40,879,423	34,875,450	36,814,353	159,821,193	4.70
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	2.593	100%	2.109	4.70			
Pure Premium Indicated by National Relativity		0%	2.853	0%	2.576	5.43			
Pure Premium Present on Rate Level		0%	2.570	0%	2.021	4.59			
Pure Premium Derived by Formula			2.593		2.109	4.70			

CLASS 7382		BUS CO.: ALL OTHER EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	51,349,860	15	840,747	42	1,170,497	995,701	1,642,109	4,649,054	9.05
1/08 through 12/08	60,233,374	9	392,687	33	934,842	230,536	950,569	2,508,634	4.17
1/09 through 12/09	59,699,334	17	1,323,278	31	628,163	1,181,756	598,724	3,731,921	6.25
1/10 through 12/10	59,747,560	11	565,933	32	714,273	441,889	860,575	2,582,670	4.32
1/11 through 12/11	63,756,252	20	830,602	33	996,467	698,733	828,336	3,354,138	5.26
5 YR. TOTAL	294,786,380	72	3,953,247	171	4,444,242	3,548,615	4,880,313	16,826,417	5.71
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		55%	2.849	72%	2.859	5.71			
Pure Premium Indicated by National Relativity		22%	2.150	14%	2.433	4.58			
Pure Premium Present on Rate Level		23%	2.502	14%	2.435	4.94			
Pure Premium Derived by Formula			2.615		2.740	5.36			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7390		BEER OR ALE DEALER-WHOLESALE & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	79,337,128	14	1,249,630	64	1,280,564	787,663	1,055,560	4,373,417	5.51
1/08 through 12/08	89,869,481	10	978,468	63	1,098,459	973,476	1,057,579	4,107,982	4.57
1/09 through 12/09	85,771,189	9	888,503	52	1,265,791	864,584	1,091,136	4,110,014	4.79
1/10 through 12/10	79,475,886	12	1,074,971	79	1,573,953	1,015,437	1,434,598	5,098,959	6.42
1/11 through 12/11	85,981,824	9	1,135,974	52	896,654	912,888	995,124	3,940,640	4.58
5 YR. TOTAL	420,435,508	54	5,327,546	310	6,115,421	4,554,048	5,633,997	21,631,012	5.15
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		65%	2.722	80%	2.423	5.15			
Pure Premium Indicated by National Relativity		17%	2.801	10%	2.578	5.38			
Pure Premium Present on Rate Level		18%	2.610	10%	2.128	4.74			
Pure Premium Derived by Formula		2.715			2.409			5.12	

CLASS 7394 + +		DIVING, SALVAGE, WRECKING-MARINE-PROGRAM I							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	4.052	100%	1.715	5.77			
Pure Premium Derived by Formula		4.052			1.715			5.77	

CLASS 7395		DIVING, SALVAGE, WRECKING-MARINE-PROGRAM II-STATE ACT WITH PROGRAM I AND PROGRAM II USL DATA ADDED FOR RATEMAKING							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	155,361	0	0	0	0	0	0	0	0.00
1/08 through 12/08	264,066	0	0	0	0	0	0	0	0.00
1/09 through 12/09	245,671	0	0	0	0	0	0	0	0.00
1/10 through 12/10	439,446	0	0	0	0	0	15,644	15,644	3.56
1/11 through 12/11	374,528	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,479,072	0	0	0	0	0	15,644	15,644	1.06
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.000	8%	1.058	1.06			
Pure Premium Indicated by National Relativity		19%	1.843	20%	1.745	3.59			
Pure Premium Present on Rate Level		73%	4.501	72%	1.905	6.41			
Pure Premium Derived by Formula		3.636			1.805			5.44	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS		DIVING, SALVAGE, WRECKING-MARINE-PROGRAM II-USL ACT							
7398 ++									
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	11.260	100%	7.184	18.44			
Pure Premium Derived by Formula		11.260			7.184			18.44	

CLASS		AVIATION-AIR TRAFFIC CONTROLLERS UNDER CONTRACT WITH THE FAA							
7402									
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,218,773	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,927,849	0	0	0	0	0	0	0	0.00
1/11 through 12/11	1,688,390	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	4,835,012	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	3%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.002	0.00			
Pure Premium Present on Rate Level		97%	0.068	97%	0.074	0.14			
Pure Premium Derived by Formula		0.066			0.072			0.14	

CLASS		AVIATION: ALL OTHER EMPLOYEES & DRIVERS							
7403									
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	362,811,712	44	2,977,705	252	4,258,848	3,459,269	6,419,332	17,115,154	4.72
1/08 through 12/08	382,560,956	34	4,033,941	195	4,222,452	3,163,638	5,801,075	17,221,106	4.50
1/09 through 12/09	350,241,203	27	3,043,012	184	3,731,196	3,535,749	5,397,595	15,707,552	4.49
1/10 through 12/10	380,192,206	27	1,910,119	177	4,415,568	2,335,785	5,752,236	14,413,708	3.79
1/11 through 12/11	374,042,990	39	3,339,181	192	6,371,975	3,480,636	7,090,016	20,281,808	5.42
5 YR. TOTAL	1,849,849,067	171	15,303,958	1,000	23,000,039	15,975,077	30,460,254	84,739,328	4.58
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	2.071	100%	2.510	4.58			
Pure Premium Indicated by National Relativity		0%	2.188	0%	2.211	4.40			
Pure Premium Present on Rate Level		0%	1.881	0%	2.161	4.04			
Pure Premium Derived by Formula		2.071			2.510			4.58	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

## NORTH CAROLINA

APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7405		AVIATION: AIR CARRIER - SCHEDULED, COMMUTER OR SUPPLEMENTAL - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	240,873,728	7	595,496	88	1,885,780	575,778	1,374,832	4,431,886	1.84
1/08 through 12/08	290,731,718	7	464,929	99	1,676,060	449,933	1,769,783	4,360,705	1.50
1/09 through 12/09	272,565,002	13	712,815	98	1,641,536	1,001,658	1,721,539	5,077,548	1.86
1/10 through 12/10	341,942,843	16	1,361,578	107	1,787,284	1,254,498	2,078,668	6,482,028	1.90
1/11 through 12/11	354,456,809	26	2,217,850	124	2,893,262	1,820,592	2,988,544	9,920,248	2.80
5 YR. TOTAL	1,500,570,100	69	5,352,668	516	9,883,922	5,102,459	9,933,366	30,272,415	2.02
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		70%	1.015	92%	1.002	2.02			
Pure Premium Indicated by National Relativity		15%	0.661	4%	0.551	1.21			
Pure Premium Present on Rate Level		15%	0.901	4%	0.892	1.79			
Pure Premium Derived by Formula		0.945			0.980			1.93	

CLASS 7420		AVIATION: STUNT FLYING, RACING, OR PARACHUTE JUMPING FLYING CREW							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	100	0	0	0	0	0	0	0	0.00
1/11 through 12/11	35,160	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	35,260	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	2%	0.000	0.00			
Pure Premium Indicated by National Relativity		19%	6.295	20%	2.441	8.74			
Pure Premium Present on Rate Level		78%	12.596	78%	3.939	16.54			
Pure Premium Derived by Formula		11.021			3.561			14.58	

CLASS 7421		AVIATION - TRANSPORTATION OF PERSONNEL IN CONDUCT OF EMPLOYER'S BUSINESS - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	40,663,213	2	488,875	2	77,599	356,154	174,062	1,096,690	2.70
1/08 through 12/08	38,657,140	2	492,178	4	80,491	170,246	158,983	901,898	2.33
1/09 through 12/09	35,391,029	1	7,504	0	0	6,030	14,675	28,209	0.08
1/10 through 12/10	32,940,215	1	103,708	1	5,989	56,577	7,149	173,423	0.53
1/11 through 12/11	34,239,042	1	3	1	3	8,433	39,428	47,867	0.14
5 YR. TOTAL	181,890,639	7	1,092,268	8	164,082	597,440	394,297	2,248,087	1.24
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		30%	0.691	34%	0.545	1.24			
Pure Premium Indicated by National Relativity		35%	0.521	33%	0.423	0.94			
Pure Premium Present on Rate Level		35%	0.931	33%	0.595	1.53			
Pure Premium Derived by Formula		0.716			0.521			1.24	

\* Pure Premium per \$100 of Payroll  
 \*\* Pure Premium per employee  
 ++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7422		AVIATION:NOC - OTHER THAN HELICOPTERS - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	21,294,584	1	12,646	4	40,990	0	76,140	129,776	0.61
1/08 through 12/08	19,251,416	2	97,165	8	238,986	51,120	342,373	729,644	3.79
1/09 through 12/09	19,336,481	2	229,428	3	53,415	123,439	152,036	558,318	2.89
1/10 through 12/10	19,755,929	2	28,487	3	198,645	98,307	133,079	458,518	2.32
1/11 through 12/11	19,763,616	1	4,868	2	76,571	11,151	80,412	173,002	0.88
5 YR. TOTAL	99,402,026	8	372,594	20	608,607	284,017	784,040	2,049,258	2.06
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		26%	0.987	31%	1.074			2.06	
Pure Premium Indicated by National Relativity		37%	0.961	34%	0.955			1.92	
Pure Premium Present on Rate Level		37%	1.170	35%	0.909			2.08	
Pure Premium Derived by Formula		1.045			0.976		2.02		

CLASS 7425		AVIATION: HELICOPTERS - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	18,560,683	0	0	0	0	0	2,507	2,507	0.01
1/08 through 12/08	2,045,775	0	0	0	0	0	0	0	0.00
1/09 through 12/09	5,503,195	0	0	0	0	0	0	0	0.00
1/10 through 12/10	5,736,553	0	0	1	219,991	0	133,447	353,438	6.16
1/11 through 12/11	6,124,801	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	37,971,007	0	0	1	219,991	0	135,954	355,945	0.94
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		24%	0.579	25%	0.358			0.94	
Pure Premium Indicated by National Relativity		38%	2.542	37%	1.349			3.89	
Pure Premium Present on Rate Level		38%	2.505	38%	1.295			3.80	
Pure Premium Derived by Formula		2.057			1.081		3.14		

CLASS 7431		AVIATION: AIR CHARTER OR AIR TAXI - FLYING CREW							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	22,793,334	1	54,792	0	0	74,405	1,156	130,353	0.57
1/08 through 12/08	35,458,103	0	0	1	81,881	0	48,624	130,505	0.37
1/09 through 12/09	31,638,510	1	11,075	2	574,577	14,034	109,805	709,491	2.24
1/10 through 12/10	29,802,474	2	1,055,034	0	0	532,221	4,063	1,591,318	5.34
1/11 through 12/11	33,308,004	0	0	3	12,022	0	13,253	25,275	0.08
5 YR. TOTAL	153,000,425	4	1,120,901	6	668,480	620,660	176,901	2,586,942	1.69
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		34%	1.170	32%	0.521			1.69	
Pure Premium Indicated by National Relativity		33%	0.454	34%	0.463			0.92	
Pure Premium Present on Rate Level		33%	1.468	34%	0.618			2.09	
Pure Premium Derived by Formula		1.032			0.534		1.57		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7502		GAS COMPANY: GAS CO.-NATURAL GAS-LOCAL DISTRIBUTION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	820,865	0	0	0	0	0	1,588	1,588	0.19
1/08 through 12/08	699,106	0	0	0	0	0	1,275	1,275	0.18
1/09 through 12/09	716,377	0	0	1	1,720	0	886	2,606	0.36
1/10 through 12/10	1,349,147	0	0	2	29,296	0	10,996	40,292	2.99
1/11 through 12/11	1,045,126	0	0	0	0	0	1,705	1,705	0.16
5 YR. TOTAL	4,630,621	0	0	3	31,016	0	16,450	47,466	1.03
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		8%	0.670	11%	0.355	1.03			
Pure Premium Indicated by National Relativity		46%	1.326	44%	1.325	2.65			
Pure Premium Present on Rate Level		46%	1.496	45%	1.500	3.00			
Pure Premium Derived by Formula		1.352		1.297		2.65			

CLASS 7515		OIL OR GAS PIPELINE OPERATION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	7,422,543	0	0	4	33,552	0	46,860	80,412	1.08
1/08 through 12/08	12,818,011	1	151,642	0	0	109,851	2,204	263,697	2.06
1/09 through 12/09	13,049,226	0	0	0	0	0	4,674	4,674	0.04
1/10 through 12/10	13,772,129	1	52,561	0	0	69,025	2,586	124,172	0.90
1/11 through 12/11	14,513,995	0	0	1	6,478	0	10,253	16,731	0.12
5 YR. TOTAL	61,575,904	2	204,203	5	40,030	178,876	66,577	489,686	0.80
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.397	25%	0.399	0.80			
Pure Premium Indicated by National Relativity		41%	0.602	37%	0.706	1.31			
Pure Premium Present on Rate Level		41%	0.733	38%	0.805	1.54			
Pure Premium Derived by Formula		0.619		0.667		1.29			

CLASS 7520		WATERWORKS OPERATION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	31,619,749	3	483,819	6	135,442	554,197	172,890	1,346,348	4.26
1/08 through 12/08	35,072,647	3	205,078	14	445,613	590,401	421,799	1,662,891	4.74
1/09 through 12/09	32,748,665	0	0	10	99,571	0	186,841	286,412	0.88
1/10 through 12/10	33,443,758	2	227,920	7	92,316	121,003	131,689	572,928	1.71
1/11 through 12/11	33,610,056	2	80,674	7	181,709	110,323	181,378	554,084	1.65
5 YR. TOTAL	166,494,875	10	997,491	44	954,651	1,375,924	1,094,597	4,422,663	2.66
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		37%	1.172	50%	1.484	2.66			
Pure Premium Indicated by National Relativity		31%	1.831	25%	1.872	3.70			
Pure Premium Present on Rate Level		32%	1.659	25%	1.702	3.36			
Pure Premium Derived by Formula		1.532		1.636		3.17			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7529		ELECTRIC LIGHT OR POWER LINE CONSTRUCTION-REA PROJECT ONLY & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	9,330,285	0	0	13	273,138	0	364,116	637,254	6.83
1/08 through 12/08	9,317,999	0	0	12	1,052,077	0	724,216	1,776,293	19.06
1/09 through 12/09	7,954,641	1	249,033	8	727,312	134,455	319,793	1,430,593	17.98
1/10 through 12/10	9,684,196	3	662,634	7	402,110	717,001	309,572	2,091,317	21.60
1/11 through 12/11	9,410,483	2	661,452	5	465,376	1,076,119	447,039	2,649,986	28.16
5 YR. TOTAL	45,697,604	6	1,573,119	45	2,920,013	1,927,575	2,164,736	8,585,443	18.79
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	9.832	48%	8.955	18.79			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		64%	5.655	52%	5.572	11.23			
Pure Premium Derived by Formula		7.159			7.196			14.36	

CLASS 7538		ELECTRIC LIGHT OR POWER LINE CONSTRUCTION & DRIVERS							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	23,484,983	4	300,411	7	874,388	274,581	882,221	2,331,601	9.93
1/08 through 12/08	26,689,460	7	475,506	13	508,220	433,276	417,530	1,834,532	6.87
1/09 through 12/09	22,284,577	4	889,434	7	200,361	759,852	186,386	2,036,033	9.14
1/10 through 12/10	25,408,966	6	1,199,547	12	502,198	1,315,719	939,792	3,957,256	15.57
1/11 through 12/11	26,867,813	5	458,635	15	621,259	528,764	904,029	2,512,687	9.35
5 YR. TOTAL	124,735,799	26	3,323,533	54	2,706,426	3,312,192	3,329,958	12,672,109	10.16
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		54%	4.834	71%	5.325	10.16			
Pure Premium Indicated by National Relativity		23%	3.887	14%	3.542	7.43			
Pure Premium Present on Rate Level		23%	5.635	15%	5.446	11.08			
Pure Premium Derived by Formula		4.800			5.094			9.89	

CLASS 7539		ELECTRIC LIGHT OR POWER CO. NOC-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	52,533,015	4	328,791	7	200,389	361,234	146,964	1,037,378	1.97
1/08 through 12/08	38,944,368	1	6,397	5	567,891	0	413,837	988,125	2.54
1/09 through 12/09	42,214,870	2	72,302	5	532,796	92,173	437,879	1,135,150	2.69
1/10 through 12/10	46,084,537	1	223,702	8	88,275	143,632	115,256	570,865	1.24
1/11 through 12/11	44,117,313	2	135,357	1	1,219	155,506	17,951	310,033	0.70
5 YR. TOTAL	223,894,103	10	766,549	26	1,390,570	752,545	1,131,887	4,041,551	1.81
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		41%	0.963	46%	0.842	1.81			
Pure Premium Indicated by National Relativity		29%	1.115	27%	1.006	2.12			
Pure Premium Present on Rate Level		30%	1.578	27%	1.051	2.63			
Pure Premium Derived by Formula		1.192			0.943			2.14	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7540		ELECTRIC LIGHT OR POWER COOPERATIVE-REA PROJECT ONLY-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	79,825,335	10	895,683	31	1,128,982	1,148,809	1,430,188	4,603,662	5.77
1/08 through 12/08	82,818,163	9	2,070,761	28	769,265	2,291,864	1,185,429	6,317,319	7.63
1/09 through 12/09	86,841,354	6	780,575	28	1,675,634	1,019,768	1,754,067	5,230,044	6.02
1/10 through 12/10	86,359,354	5	775,915	20	447,761	1,211,552	554,008	2,989,236	3.46
1/11 through 12/11	88,876,256	4	328,200	31	2,182,638	741,784	1,458,009	4,710,631	5.30
5 YR. TOTAL	424,720,462	34	4,851,134	138	6,204,280	6,413,777	6,381,701	23,850,892	5.62
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		63%	2.603	92%	3.013	5.62			
Pure Premium Indicated by National Relativity		18%	1.846	4%	2.312	4.16			
Pure Premium Present on Rate Level		19%	2.495	4%	3.095	5.59			
Pure Premium Derived by Formula		2.446			2.988			5.43	

CLASS 7580		SEWAGE DISPOSAL PLANT OPERATION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	14,697,683	2	302,952	4	29,008	323,738	101,481	757,179	5.15
1/08 through 12/08	18,034,398	0	0	9	271,573	0	233,139	504,712	2.80
1/09 through 12/09	17,957,454	0	0	4	83,175	0	119,291	202,466	1.13
1/10 through 12/10	20,193,199	0	0	10	314,244	0	231,378	545,622	2.70
1/11 through 12/11	20,341,471	2	150,905	5	310,264	564,810	192,536	1,218,515	5.99
5 YR. TOTAL	91,224,205	4	453,857	32	1,008,264	888,548	877,825	3,228,494	3.54
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		28%	1.603	37%	1.936	3.54			
Pure Premium Indicated by National Relativity		36%	1.621	31%	1.536	3.16			
Pure Premium Present on Rate Level		36%	1.506	32%	1.529	3.04			
Pure Premium Derived by Formula		1.575			1.682			3.26	

CLASS 7590		GARBAGE WORKS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,809,635	2	396,236	3	20,241	319,750	25,338	761,565	8.65
1/08 through 12/08	8,304,618	2	132,095	2	29,801	123,073	47,752	332,721	4.01
1/09 through 12/09	8,103,913	2	56,438	4	128,418	14,188	77,936	276,980	3.42
1/10 through 12/10	8,618,398	1	54,634	8	296,836	104,153	260,632	716,255	8.31
1/11 through 12/11	9,169,692	2	64,037	5	41,560	120,998	74,267	300,862	3.28
5 YR. TOTAL	43,006,256	9	703,440	22	516,856	682,162	485,925	2,388,383	5.55
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		26%	2.837	33%	2.716	5.55			
Pure Premium Indicated by National Relativity		37%	1.951	33%	1.695	3.65			
Pure Premium Present on Rate Level		37%	2.557	34%	2.449	5.01			
Pure Premium Derived by Formula		2.406			2.288			4.69	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> <b>7600</b>		<b>TELECOMMUNICATIONS CO. - CABLE TV OR SATELLITE - ALL OTHER EMPLOYEES &amp; DRIVERS</b>							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	287,916,265	46	4,222,219	107	4,141,484	5,122,437	3,520,822	17,006,962	5.91
1/08 through 12/08	278,454,936	33	4,534,680	124	4,187,354	5,098,727	4,673,798	18,494,559	6.64
1/09 through 12/09	284,025,477	22	1,487,890	125	4,388,249	661,560	4,468,321	11,006,020	3.88
1/10 through 12/10	301,450,224	39	3,410,498	135	4,813,035	4,003,534	4,575,307	16,802,374	5.57
1/11 through 12/11	341,473,048	47	3,798,031	148	4,538,615	3,718,395	4,778,451	16,833,492	4.93
<b>5 YR. TOTAL</b>	<b>1,493,319,950</b>	<b>187</b>	<b>17,453,318</b>	<b>639</b>	<b>22,068,737</b>	<b>18,604,653</b>	<b>22,016,699</b>	<b>80,143,407</b>	<b>5.37</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	2.647	100%	2.720	5.37			
Pure Premium Indicated by National Relativity		0%	2.198	0%	1.950	4.15			
Pure Premium Present on Rate Level		0%	2.729	0%	2.592	5.32			
Pure Premium Derived by Formula			2.647		2.720	5.37			

<b>CLASS</b> <b>7605</b>		<b>BURGLAR AND FIRE ALARM INSTALLATION OR REPAIR &amp; DRIVERS</b>							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	155,840,246	18	1,328,137	32	619,695	1,331,630	1,107,872	4,387,334	2.82
1/08 through 12/08	168,542,880	9	335,034	32	1,065,846	621,102	1,125,449	3,147,431	1.87
1/09 through 12/09	160,291,115	14	1,286,654	31	938,613	1,136,722	851,181	4,213,170	2.63
1/10 through 12/10	170,353,088	6	794,984	28	669,977	972,959	621,602	3,059,522	1.80
1/11 through 12/11	172,649,758	11	774,383	33	989,566	560,961	1,120,733	3,445,643	2.00
<b>5 YR. TOTAL</b>	<b>827,677,087</b>	<b>58</b>	<b>4,519,192</b>	<b>156</b>	<b>4,283,697</b>	<b>4,623,374</b>	<b>4,826,837</b>	<b>18,253,100</b>	<b>2.21</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		62%	1.064	84%	1.142	2.21			
Pure Premium Indicated by National Relativity		19%	1.154	8%	1.041	2.20			
Pure Premium Present on Rate Level		19%	1.202	8%	1.246	2.45			
Pure Premium Derived by Formula			1.107		1.142	2.25			

<b>CLASS</b> <b>7610</b>		<b>RADIO OR TELEVISION BROADCASTING STATION-ALL EMPLOYEES &amp; CLERICAL, DRIVERS</b>							
Industry Group: Office and Clerical Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	482,455,337	4	282,440	27	1,638,290	139,384	1,153,773	3,213,887	0.67
1/08 through 12/08	358,983,161	5	774,658	14	261,441	344,790	346,204	1,727,093	0.48
1/09 through 12/09	349,134,299	2	281,968	12	549,310	313,415	405,033	1,549,726	0.44
1/10 through 12/10	358,318,964	1	122,526	15	225,289	258,182	473,550	1,079,547	0.30
1/11 through 12/11	411,878,733	10	821,846	27	1,291,666	437,689	1,021,327	3,572,528	0.87
<b>5 YR. TOTAL</b>	<b>1,960,770,494</b>	<b>22</b>	<b>2,283,438</b>	<b>95</b>	<b>3,965,996</b>	<b>1,493,460</b>	<b>3,399,887</b>	<b>11,142,781</b>	<b>0.57</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		48%	0.319	58%	0.250	0.57			
Pure Premium Indicated by National Relativity		26%	0.207	21%	0.232	0.44			
Pure Premium Present on Rate Level		26%	0.259	21%	0.207	0.47			
Pure Premium Derived by Formula			0.274		0.237	0.51			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7704		COMBINED DATA FOR CLASSES 7704, 7710 AND 7711							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	10,672,959	0	0	4	45,590	0	119,100	164,690	1.54
1/08 through 12/08	11,059,920	0	0	7	194,250	0	323,020	517,270	4.68
1/09 through 12/09	9,869,854	2	317,384	3	89,579	294,806	284,644	986,413	9.99
1/10 through 12/10	10,772,371	0	0	3	50,565	0	53,293	103,858	0.96
1/11 through 12/11	12,323,086	1	261,713	6	198,746	49,337	295,605	805,401	6.54
5 YR. TOTAL	54,698,190	3	579,097	23	578,730	344,143	1,075,662	2,577,632	4.71
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		26%	2.117	38%	2.596	4.71			
Pure Premium Indicated by National Relativity		37%	2.341	31%	3.291	5.63			
Pure Premium Present on Rate Level		37%	2.021	31%	2.623	4.64			
Pure Premium Derived by Formula			2.164		2.820	4.98			

CLASS 7705		AMBULANCE SERVICE COMPANIES AND EMS (EMERGENCY MEDICAL SERVICE) PROVIDERS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	19,598,299	1	325,484	14	317,347	428,166	263,869	1,334,866	6.81
1/09 through 12/09	32,131,953	9	806,313	30	353,698	735,222	527,376	2,422,609	7.54
1/10 through 12/10	32,326,767	12	1,221,799	29	601,367	973,458	550,812	3,347,436	10.36
1/11 through 12/11	37,889,577	9	756,391	45	1,410,293	835,946	1,314,068	4,316,698	11.39
5 YR. TOTAL	121,946,596	31	3,109,987	118	2,682,705	2,972,792	2,656,125	11,421,609	9.37
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		45%	4.750	61%	4.616	9.37			
Pure Premium Indicated by National Relativity		27%	3.882	19%	3.535	7.42			
Pure Premium Present on Rate Level		28%	3.781	20%	3.847	7.63			
Pure Premium Derived by Formula			4.244		4.257	8.50			

CLASS 7710 ++		FIREFIGHTERS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		50%	2.797	50%	2.484	5.28			
Pure Premium Present on Rate Level		50%	2.021	50%	2.623	4.64			
Pure Premium Derived by Formula			2.409		2.554	4.96			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 7711 ++		<b>FIREFIGHTERS &amp; DRIVERS - VOLUNTEER</b>							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	2.021	100%	2.623	4.64			
Pure Premium Derived by Formula		2.021			2.623			4.64	

<b>CLASS</b> 7720		<b>POLICE OFFICERS &amp; DRIVERS</b>							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	322,688,488	21	1,903,123	66	1,678,967	1,996,744	2,367,928	7,946,762	2.46
1/08 through 12/08	304,888,218	23	1,582,562	70	1,036,853	2,184,833	1,666,632	6,470,880	2.12
1/09 through 12/09	225,916,956	16	1,888,829	60	1,084,790	1,669,883	1,686,542	6,330,044	2.80
1/10 through 12/10	224,840,035	6	248,675	55	1,696,308	203,555	1,977,910	4,126,448	1.84
1/11 through 12/11	224,013,382	11	650,047	52	902,432	814,696	1,188,561	3,555,736	1.59
5 YR. TOTAL	1,302,347,079	77	6,273,236	303	6,399,350	6,869,711	8,887,573	28,429,870	2.18
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		70%	0.973	100%	1.210	2.18			
Pure Premium Indicated by National Relativity		15%	1.482	0%	1.599	3.08			
Pure Premium Present on Rate Level		15%	1.064	0%	1.263	2.33			
Pure Premium Derived by Formula		1.063			1.210			2.27	

<b>CLASS</b> 7723		<b>DETECTIVE OR PATROL AGENCY - PRIVATE &amp; DRIVERS</b>							
Industry Group: Miscellaneous Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	96,344,607	6	736,479	32	351,150	1,343,206	612,832	3,043,667	3.16
1/08 through 12/08	129,916,016	5	253,581	27	1,418,323	352,500	1,381,279	3,405,683	2.62
1/09 through 12/09	146,829,536	26	2,921,610	39	663,727	4,040,328	995,952	8,621,617	5.87
1/10 through 12/10	147,171,884	4	316,140	31	573,352	479,103	985,404	2,353,999	1.60
1/11 through 12/11	153,155,819	4	142,213	23	976,818	221,283	1,443,902	2,784,216	1.82
5 YR. TOTAL	673,417,862	45	4,370,023	152	3,983,370	6,436,420	5,419,369	20,209,182	3.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		59%	1.240	86%	1.761	3.00			
Pure Premium Indicated by National Relativity		20%	1.223	7%	1.565	2.79			
Pure Premium Present on Rate Level		21%	1.332	7%	1.665	3.00			
Pure Premium Derived by Formula		1.256			1.741			3.00	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 7855		RAILROAD CONSTRUCTION: LAYING OR RELAYING OF TRACKS OR MAINTENANCE OF WAY BY CONTRACTOR-NO WORK ON ELEVATED RAILROADS-& DRIVERS							
Industry Group: Contracting Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,008,070	0	0	0	0	0	1,320	1,320	0.04
1/08 through 12/08	3,037,571	0	0	1	8,855	0	10,943	19,798	0.65
1/09 through 12/09	3,182,623	0	0	2	5,101	0	18,476	23,577	0.74
1/10 through 12/10	4,219,759	0	0	0	0	0	0	0	0.00
1/11 through 12/11	5,707,244	0	0	1	12,794	0	49,366	62,160	1.09
5 YR. TOTAL	19,155,267	0	0	4	26,750	0	80,105	106,855	0.56
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	0.140	22%	0.418	0.56			
Pure Premium Indicated by National Relativity		40%	3.280	39%	2.356	5.64			
Pure Premium Present on Rate Level		41%	2.619	39%	2.003	4.62			
Pure Premium Derived by Formula		2.412			1.792			4.20	

CLASS 8001		STORE: FLORIST & DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	46,273,280	6	384,121	13	839,375	424,269	613,167	2,260,932	4.89
1/08 through 12/08	43,787,903	3	211,628	17	296,437	70,183	462,022	1,040,270	2.38
1/09 through 12/09	39,792,479	6	424,063	13	120,130	181,859	207,463	933,515	2.35
1/10 through 12/10	39,702,578	3	114,750	12	128,140	50,678	190,767	484,335	1.22
1/11 through 12/11	40,925,737	3	224,198	14	209,810	457,523	196,100	1,087,631	2.66
5 YR. TOTAL	210,481,977	21	1,358,760	69	1,593,892	1,184,512	1,669,519	5,806,683	2.76
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	1.403	51%	1.356	2.76			
Pure Premium Indicated by National Relativity		31%	1.119	24%	1.324	2.44			
Pure Premium Present on Rate Level		31%	1.365	25%	1.383	2.75			
Pure Premium Derived by Formula		1.303			1.355			2.66	

CLASS 8002		AUTOMOBILE RENTAL CO.: ALL OTHER EMPLOYEES & COUNTER PERSONNEL, DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	58,838,644	6	165,510	30	396,311	317,278	694,305	1,573,404	2.67
1/08 through 12/08	52,773,858	3	29,902	13	118,595	46,387	296,614	491,498	0.93
1/09 through 12/09	54,907,383	5	128,650	3	37,840	133,494	162,774	462,758	0.84
1/10 through 12/10	64,099,477	8	306,570	16	121,950	902,625	302,732	1,633,877	2.55
1/11 through 12/11	65,005,784	3	139,230	14	181,508	141,149	477,282	939,169	1.44
5 YR. TOTAL	295,625,146	25	769,862	76	856,204	1,540,933	1,933,707	5,100,706	1.73
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	0.550	55%	1.175	1.73			
Pure Premium Indicated by National Relativity		32%	0.841	22%	1.273	2.11			
Pure Premium Present on Rate Level		33%	0.779	23%	1.185	1.96			
Pure Premium Derived by Formula		0.719			1.199			1.92	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8006		GASOLINE STATION: SELF-SERVICE AND CONVENIENCE/GROCERY-RETAIL							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	348,307,087	44	2,070,190	120	2,484,879	2,188,333	2,494,382	9,237,784	2.65
1/08 through 12/08	354,838,208	51	3,095,921	148	2,384,278	2,894,260	3,109,297	11,483,756	3.24
1/09 through 12/09	361,547,178	55	2,190,423	127	2,094,660	1,858,661	2,767,866	8,911,610	2.47
1/10 through 12/10	410,837,331	54	4,554,988	143	2,688,538	3,783,659	2,933,826	13,961,011	3.40
1/11 through 12/11	424,677,299	60	4,897,523	148	2,581,859	3,972,875	3,682,172	15,134,429	3.56
5 YR. TOTAL	1,900,207,103	264	16,809,045	686	12,234,214	14,697,788	14,987,543	58,728,590	3.09
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		94%	1.528	100%	1.562	3.09			
Pure Premium Indicated by National Relativity		3%	1.024	0%	1.269	2.29			
Pure Premium Present on Rate Level		3%	1.452	0%	1.420	2.87			
Pure Premium Derived by Formula		1.511			1.562			3.07	

CLASS 8008		STORE: CLOTHING, WEARING APPAREL OR DRY GOODS-RETAIL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	646,963,105	35	2,052,615	126	2,307,996	2,230,655	3,242,906	9,834,172	1.52
1/08 through 12/08	615,546,761	35	1,911,162	122	2,066,753	1,646,712	2,530,377	8,155,004	1.33
1/09 through 12/09	557,884,828	44	3,323,061	94	1,178,136	3,081,172	1,887,740	9,470,109	1.70
1/10 through 12/10	620,363,538	39	1,917,466	129	2,102,391	1,706,934	2,916,987	8,643,778	1.39
1/11 through 12/11	676,324,841	31	1,443,089	113	1,327,683	1,647,809	2,136,896	6,555,477	0.97
5 YR. TOTAL	3,117,083,073	184	10,647,393	584	8,982,959	10,313,282	12,714,906	42,658,540	1.37
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		84%	0.630	100%	0.739	1.37			
Pure Premium Indicated by National Relativity		8%	0.561	0%	0.748	1.31			
Pure Premium Present on Rate Level		8%	0.664	0%	0.782	1.45			
Pure Premium Derived by Formula		0.627			0.739			1.37	

CLASS 8010		STORE: HARDWARE							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	246,835,387	12	699,358	48	581,154	592,294	899,903	2,772,709	1.12
1/08 through 12/08	244,492,921	11	679,137	34	403,895	681,122	834,155	2,598,309	1.06
1/09 through 12/09	224,794,418	12	637,600	41	1,028,545	529,856	768,240	2,964,241	1.32
1/10 through 12/10	225,536,835	10	585,061	35	1,017,725	609,847	912,036	3,124,669	1.39
1/11 through 12/11	244,470,546	7	315,660	42	882,062	440,888	1,382,571	3,021,181	1.24
5 YR. TOTAL	1,186,130,107	52	2,916,816	200	3,913,381	2,854,007	4,796,905	14,481,109	1.22
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		57%	0.576	76%	0.645	1.22			
Pure Premium Indicated by National Relativity		21%	0.800	12%	1.000	1.80			
Pure Premium Present on Rate Level		22%	0.667	12%	0.674	1.34			
Pure Premium Derived by Formula		0.643			0.691			1.33	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 8013		<b>STORE: JEWELRY</b>							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	174,437,823	5	387,918	8	442,346	378,122	578,247	1,786,633	1.02
1/08 through 12/08	166,543,408	3	229,229	7	149,380	98,470	237,567	714,646	0.43
1/09 through 12/09	165,602,972	1	2,674	9	179,496	3,594	135,083	320,847	0.19
1/10 through 12/10	166,583,657	3	79,973	8	254,284	67,052	211,080	612,389	0.37
1/11 through 12/11	179,363,588	1	11,405	11	359,266	21,678	279,883	672,232	0.38
5 YR. TOTAL	852,531,448	13	711,199	43	1,384,772	568,916	1,441,860	4,106,747	0.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		32%	0.246	44%	0.236	0.48			
Pure Premium Indicated by National Relativity		34%	0.197	28%	0.217	0.41			
Pure Premium Present on Rate Level		34%	0.225	28%	0.234	0.46			
Pure Premium Derived by Formula		0.222			0.230			0.45	

<b>CLASS</b> 8015		<b>QUICK PRINTING-COPYING OR DUPLICATING SERVICE-ALL EMPLOYEES &amp; CLERICAL, SALESPERSONS, DRIVERS</b>							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	51,317,232	1	102	6	16,200	4,404	77,599	98,305	0.19
1/08 through 12/08	48,252,585	2	34,683	4	33,524	94,367	42,037	204,611	0.42
1/09 through 12/09	45,623,467	2	123,153	4	138,835	46,010	51,169	359,167	0.79
1/10 through 12/10	48,908,725	1	19,895	5	138,737	98,925	178,580	436,137	0.89
1/11 through 12/11	55,146,545	5	241,451	3	25,592	227,742	51,356	546,141	0.99
5 YR. TOTAL	249,248,554	11	419,284	22	352,888	471,448	400,741	1,644,361	0.66
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	0.310	33%	0.350	0.66			
Pure Premium Indicated by National Relativity		38%	0.430	33%	0.495	0.93			
Pure Premium Present on Rate Level		38%	0.376	34%	0.400	0.78			
Pure Premium Derived by Formula		0.381			0.415			0.80	

<b>CLASS</b> 8017		<b>STORE: RETAIL NOC</b>							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	2,783,505,286	176	8,144,087	686	10,301,697	8,937,533	15,515,901	42,899,218	1.54
1/08 through 12/08	2,331,295,508	155	8,956,388	544	9,221,793	9,059,748	13,297,917	40,535,846	1.74
1/09 through 12/09	2,342,712,042	197	9,151,719	539	9,591,589	11,639,014	14,327,235	44,709,557	1.91
1/10 through 12/10	2,282,971,898	148	6,504,165	553	10,497,720	7,414,855	16,415,605	40,832,345	1.79
1/11 through 12/11	2,409,923,370	73	3,501,117	476	7,518,744	4,668,467	13,594,585	29,282,913	1.22
5 YR. TOTAL	12,150,408,104	749	36,257,476	2,798	47,131,543	41,719,617	73,151,243	198,259,879	1.63
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	0.686	100%	0.945	1.63			
Pure Premium Indicated by National Relativity		0%	0.666	0%	0.888	1.55			
Pure Premium Present on Rate Level		0%	0.716	0%	0.923	1.64			
Pure Premium Derived by Formula		0.686			0.945			1.63	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8018		STORE: WHOLESALE NOC							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	601,079,883	51	2,797,741	205	3,548,419	3,547,905	3,783,129	13,677,194	2.28
1/08 through 12/08	574,058,189	45	2,641,617	209	4,324,404	1,645,503	4,831,201	13,442,725	2.34
1/09 through 12/09	574,113,274	40	2,451,491	179	3,597,654	1,619,978	3,627,773	11,296,896	1.97
1/10 through 12/10	598,832,882	47	3,218,898	193	3,812,702	2,912,023	4,723,110	14,666,733	2.45
1/11 through 12/11	610,142,423	42	2,110,028	203	3,966,495	1,966,270	4,189,300	12,232,093	2.01
5 YR. TOTAL	2,958,226,651	225	13,219,775	989	19,249,674	11,691,679	21,154,513	65,315,641	2.21
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	1.098	100%	1.110	2.21			
Pure Premium Indicated by National Relativity		0%	1.317	0%	1.466	2.78			
Pure Premium Present on Rate Level		0%	1.196	0%	1.121	2.32			
Pure Premium Derived by Formula		1.098			1.110			2.21	

CLASS 8021		STORE: MEAT, FISH OR POULTRY DEALER-WHOLESALE							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	151,715,972	6	378,127	39	687,132	417,731	1,077,181	2,560,171	1.69
1/08 through 12/08	137,096,666	10	172,566	35	1,046,366	423,306	1,770,187	3,412,425	2.49
1/09 through 12/09	196,692,194	8	570,303	49	715,221	492,570	1,422,906	3,201,000	1.63
1/10 through 12/10	174,757,971	13	369,605	84	1,046,481	457,257	1,493,593	3,366,936	1.93
1/11 through 12/11	180,260,882	33	1,070,979	84	1,713,500	1,120,867	2,040,038	5,945,384	3.30
5 YR. TOTAL	840,523,685	70	2,561,580	291	5,208,700	2,911,731	7,803,905	18,485,916	2.20
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		56%	0.924	83%	1.275	2.20			
Pure Premium Indicated by National Relativity		22%	1.320	8%	1.735	3.06			
Pure Premium Present on Rate Level		22%	0.915	9%	1.173	2.09			
Pure Premium Derived by Formula		1.009			1.303			2.31	

CLASS 8031		STORE: MEAT, FISH OR POULTRY-RETAIL							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	10,104,632	0	0	5	23,194	0	65,611	88,805	0.88
1/08 through 12/08	10,170,715	2	68,017	3	274,144	101,249	377,321	820,731	8.07
1/09 through 12/09	8,698,322	0	0	3	30,534	0	47,203	77,737	0.89
1/10 through 12/10	9,460,407	2	417,799	4	114,760	413,487	97,345	1,043,391	11.03
1/11 through 12/11	11,173,530	0	0	6	15,031	0	71,390	86,421	0.77
5 YR. TOTAL	49,607,606	4	485,816	21	457,663	514,736	658,870	2,117,085	4.27
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	1.902	34%	2.366	4.27			
Pure Premium Indicated by National Relativity		39%	1.008	33%	1.497	2.51			
Pure Premium Present on Rate Level		40%	1.286	33%	2.087	3.37			
Pure Premium Derived by Formula		1.307			1.987			3.29	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8032		STORE: CLOTHING, WEARING APPAREL OR DRY GOODS-WHOLESALE							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	70,843,313	5	451,853	21	213,274	353,111	290,826	1,309,064	1.85
1/08 through 12/08	83,314,629	6	272,555	20	389,130	122,565	471,149	1,255,399	1.51
1/09 through 12/09	129,205,922	8	237,482	36	593,762	293,868	853,314	1,978,426	1.53
1/10 through 12/10	129,107,563	8	674,677	33	668,413	848,373	835,769	3,027,232	2.34
1/11 through 12/11	129,436,162	6	148,839	31	347,648	167,638	617,171	1,281,296	0.99
5 YR. TOTAL	541,907,589	33	1,785,406	141	2,212,227	1,785,555	3,068,229	8,851,417	1.63
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		49%	0.738	67%	0.896	1.63			
Pure Premium Indicated by National Relativity		25%	0.950	16%	1.253	2.20			
Pure Premium Present on Rate Level		26%	1.009	17%	1.088	2.10			
Pure Premium Derived by Formula		0.861			0.986			1.85	

CLASS 8033		STORE: MEAT, GROCERY AND PROVISION STORES COMBINED-RETAIL NOC							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	516,728,919	35	1,724,755	122	2,355,897	1,990,455	3,355,372	9,426,479	1.83
1/08 through 12/08	534,811,609	31	2,448,005	134	2,249,337	3,126,302	3,203,790	11,027,434	2.06
1/09 through 12/09	558,721,142	51	3,916,650	129	1,761,742	4,553,201	2,809,829	13,041,422	2.33
1/10 through 12/10	564,231,177	41	1,769,120	108	1,703,146	2,115,472	2,706,110	8,293,848	1.47
1/11 through 12/11	589,355,762	32	1,720,300	135	2,121,411	1,915,508	3,042,134	8,799,353	1.49
5 YR. TOTAL	2,763,848,609	190	11,578,830	628	10,191,533	13,700,938	15,117,235	50,588,536	1.83
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		88%	0.788	100%	1.043	1.83			
Pure Premium Indicated by National Relativity		6%	0.921	0%	1.214	2.14			
Pure Premium Present on Rate Level		6%	0.840	0%	1.191	2.03			
Pure Premium Derived by Formula		0.799			1.043			1.84	

CLASS 8037		STORE - SUPERSTORES AND WAREHOUSE CLUBS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	2,654,014	0	0	1	94	0	4,637	4,731	0.18
5 YR. TOTAL	2,654,014	0	0	1	94	0	4,637	4,731	0.18
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.004	8%	0.175	0.18			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		95%	0.716	92%	0.923	1.64			
Pure Premium Derived by Formula		0.680			0.863			1.54	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8039		STORE: DEPARTMENT-RETAIL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	181,599,325	15	733,113	57	666,173	889,144	1,467,688	3,756,118	2.07
1/08 through 12/08	153,752,872	15	1,319,716	44	1,001,255	1,931,543	1,630,654	5,883,168	3.83
1/09 through 12/09	118,838,225	10	443,304	29	699,182	418,424	1,023,093	2,584,003	2.17
1/10 through 12/10	161,518,036	13	826,973	53	1,359,845	568,770	1,534,951	4,290,539	2.66
1/11 through 12/11	159,491,816	13	318,737	35	844,558	504,481	839,101	2,506,877	1.57
5 YR. TOTAL	775,200,274	66	3,641,843	218	4,571,013	4,312,362	6,495,487	19,020,705	2.45
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		56%	1.059	86%	1.394	2.45			
Pure Premium Indicated by National Relativity		22%	0.701	7%	1.026	1.73			
Pure Premium Present on Rate Level		22%	0.980	7%	1.406	2.39			
Pure Premium Derived by Formula		0.963			1.369			2.33	

CLASS 8044		STORE: FURNITURE & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	319,271,949	39	3,196,532	122	2,304,768	3,370,734	2,762,002	11,634,036	3.64
1/08 through 12/08	293,449,742	36	3,035,362	122	2,589,345	2,109,014	2,560,358	10,294,079	3.51
1/09 through 12/09	269,597,480	24	1,446,791	118	2,221,187	1,271,922	2,480,678	7,420,578	2.75
1/10 through 12/10	269,244,866	30	2,689,151	108	2,804,265	1,790,105	2,578,768	9,862,289	3.66
1/11 through 12/11	278,565,663	30	1,878,460	101	3,043,394	2,084,337	2,647,977	9,654,168	3.47
5 YR. TOTAL	1,430,129,700	159	12,246,296	571	12,962,959	10,626,112	13,029,783	48,865,150	3.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		93%	1.763	100%	1.654	3.42			
Pure Premium Indicated by National Relativity		3%	1.561	0%	1.553	3.11			
Pure Premium Present on Rate Level		4%	1.892	0%	1.688	3.58			
Pure Premium Derived by Formula		1.762			1.654			3.42	

CLASS 8045		STORE: DRUG - RETAIL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	262,639,185	7	170,311	16	254,294	182,510	270,890	878,005	0.34
1/08 through 12/08	339,261,918	4	328,598	29	435,048	141,914	652,577	1,558,137	0.46
1/09 through 12/09	342,298,718	11	786,551	20	383,953	733,115	441,399	2,345,018	0.69
1/10 through 12/10	350,242,474	3	188,903	17	152,170	385,294	361,761	1,088,128	0.31
1/11 through 12/11	363,183,692	3	114,151	18	511,593	69,581	877,889	1,573,214	0.43
5 YR. TOTAL	1,657,625,987	28	1,588,514	100	1,737,058	1,512,414	2,604,516	7,442,502	0.45
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		45%	0.201	61%	0.248	0.45			
Pure Premium Indicated by National Relativity		27%	0.273	19%	0.284	0.56			
Pure Premium Present on Rate Level		28%	0.269	20%	0.277	0.55			
Pure Premium Derived by Formula		0.239			0.261			0.50	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8046		STORE: AUTOMOBILE PARTS & ACCESSORIES- NOC & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	212,656,824	20	1,021,359	52	1,164,139	755,596	1,563,259	4,504,353	2.12
1/08 through 12/08	216,543,248	33	2,250,816	54	1,081,626	2,938,939	1,461,175	7,732,556	3.57
1/09 through 12/09	243,146,490	18	909,299	64	1,686,978	1,070,583	2,375,549	6,042,409	2.49
1/10 through 12/10	267,136,854	21	1,206,882	102	3,006,680	1,373,308	2,703,673	8,290,543	3.10
1/11 through 12/11	273,921,073	21	608,684	70	1,352,170	1,214,309	2,402,429	5,577,592	2.04
5 YR. TOTAL	1,213,404,489	113	5,997,040	342	8,291,593	7,352,735	10,506,085	32,147,453	2.65
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		75%	1.178	100%	1.472			2.65	
Pure Premium Indicated by National Relativity		12%	1.046	0%	1.316			2.36	
Pure Premium Present on Rate Level		13%	1.297	0%	1.518			2.82	
Pure Premium Derived by Formula		1.178			1.472		2.65		

CLASS 8047		STORE: DRUG-WHOLESALE							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	42,356,393	1	46,688	1	944	42,015	25,152	114,799	0.27
1/08 through 12/08	47,066,092	0	0	3	14,957	0	26,483	41,440	0.09
1/09 through 12/09	39,960,342	2	216,620	5	53,731	150,076	66,045	486,472	1.22
1/10 through 12/10	34,988,051	1	172,107	5	34,294	523,224	101,133	830,758	2.37
1/11 through 12/11	34,694,788	1	36,422	10	120,882	4,838	227,139	389,281	1.12
5 YR. TOTAL	199,065,666	5	471,837	24	224,808	720,153	445,952	1,862,750	0.94
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		24%	0.350	32%	0.586			0.94	
Pure Premium Indicated by National Relativity		38%	0.500	34%	0.517			1.02	
Pure Premium Present on Rate Level		38%	0.438	34%	0.453			0.89	
Pure Premium Derived by Formula		0.440			0.517		0.96		

CLASS 8058		BUILDING MATERIAL DEALER-NEW MATERIALS ONLY: STORE EMPLOYEES							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	192,154,087	26	2,076,166	62	1,769,334	2,112,825	2,128,869	8,087,194	4.21
1/08 through 12/08	155,823,236	10	588,293	39	1,133,661	863,618	1,253,641	3,839,213	2.46
1/09 through 12/09	147,772,986	22	1,668,923	56	798,330	1,255,177	1,155,040	4,877,470	3.30
1/10 through 12/10	138,917,092	18	1,391,299	60	974,221	1,128,759	1,279,162	4,773,441	3.44
1/11 through 12/11	146,298,470	13	863,380	35	582,902	1,007,722	852,612	3,306,616	2.26
5 YR. TOTAL	780,965,871	89	6,588,061	252	5,258,448	6,368,101	6,669,324	24,883,934	3.19
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		65%	1.517	94%	1.669			3.19	
Pure Premium Indicated by National Relativity		17%	1.073	3%	1.579			2.65	
Pure Premium Present on Rate Level		18%	1.420	3%	1.732			3.15	
Pure Premium Derived by Formula		1.424			1.668		3.09		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8072		STORE: BOOK, RECORD, COMPACT DISC, SOFTWARE, VIDEO OR AUDIO CASSETTE RETAIL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	52,753,117	0	0	1	402	0	46,102	46,504	0.09
1/08 through 12/08	51,922,808	2	12,293	2	6,957	11,001	41,452	71,703	0.14
1/09 through 12/09	63,828,925	1	3,990	7	143,590	13,421	183,192	344,193	0.54
1/10 through 12/10	53,236,553	2	117,266	6	98,016	206,280	130,176	551,738	1.04
1/11 through 12/11	50,256,351	2	93,367	6	88,266	99,995	203,840	485,468	0.97
5 YR. TOTAL	271,997,754	7	226,916	22	337,231	330,697	604,762	1,499,606	0.55
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		23%	0.207	34%	0.344			0.55	
Pure Premium Indicated by National Relativity		38%	0.332	33%	0.479			0.81	
Pure Premium Present on Rate Level		39%	0.296	33%	0.384			0.68	
Pure Premium Derived by Formula		0.289		0.402				0.69	

CLASS 8102		SEED MERCHANT							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	15,596,814	0	0	2	18,288	0	29,875	48,163	0.31
1/08 through 12/08	21,958,961	1	12,403	1	1,214	1,547	12,199	27,363	0.13
1/09 through 12/09	20,180,451	0	0	3	17,305	0	27,638	44,943	0.22
1/10 through 12/10	25,727,703	0	0	4	324,074	0	107,598	431,672	1.68
1/11 through 12/11	59,499,055	0	0	3	28,661	0	60,323	88,984	0.15
5 YR. TOTAL	142,962,984	1	12,403	13	389,542	1,547	237,633	641,125	0.45
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		25%	0.281	34%	0.167			0.45	
Pure Premium Indicated by National Relativity		37%	0.849	33%	1.216			2.07	
Pure Premium Present on Rate Level		38%	0.695	33%	0.723			1.42	
Pure Premium Derived by Formula		0.648		0.697				1.35	

CLASS 8103		WOOL MERCHANT							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	7,010,310	0	0	2	13,607	0	77,534	91,141	1.30
1/08 through 12/08	4,732,208	0	0	3	37,822	0	61,531	99,353	2.10
1/09 through 12/09	4,333,684	0	0	2	3,265	0	12,068	15,333	0.35
1/10 through 12/10	4,441,013	0	0	2	34,936	0	25,092	60,028	1.35
1/11 through 12/11	4,443,382	0	0	1	15,126	0	33,032	48,158	1.08
5 YR. TOTAL	24,960,597	0	0	10	104,756	0	209,257	314,013	1.26
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		16%	0.420	22%	0.838			1.26	
Pure Premium Indicated by National Relativity		22%	1.096	23%	1.951			3.05	
Pure Premium Present on Rate Level		62%	1.396	55%	1.419			2.82	
Pure Premium Derived by Formula		1.174		1.414				2.59	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8105		STORE: HIDE DEALER							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,105,875	0	0	0	0	0	448	448	0.04
1/08 through 12/08	960,267	0	0	0	0	0	869	869	0.09
1/09 through 12/09	1,105,356	0	0	2	1,416	0	896	2,312	0.21
1/10 through 12/10	886,371	0	0	1	2,820	0	2,821	5,641	0.64
1/11 through 12/11	301,792	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	4,359,661	0	0	3	4,236	0	5,034	9,270	0.21
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.097	10%	0.115	0.21			
Pure Premium Indicated by National Relativity		13%	1.365	14%	1.504	2.87			
Pure Premium Present on Rate Level		80%	1.096	76%	1.279	2.38			
Pure Premium Derived by Formula		1.061			1.194			2.26	

CLASS 8106		IRON OR STEEL MERCHANT & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	56,324,921	3	310,776	29	1,438,070	633,656	1,114,590	3,497,092	6.21
1/08 through 12/08	51,316,645	1	1,477	24	381,339	7,575	504,235	894,626	1.74
1/09 through 12/09	44,349,116	2	142,440	16	340,500	276,862	380,352	1,140,154	2.57
1/10 through 12/10	50,536,935	5	642,127	17	936,129	671,000	753,983	3,003,239	5.94
1/11 through 12/11	50,560,618	3	151,403	23	520,284	146,966	793,851	1,612,504	3.19
5 YR. TOTAL	253,088,235	14	1,248,223	109	3,616,322	1,736,059	3,547,011	10,147,615	4.01
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		49%	1.922	66%	2.087	4.01			
Pure Premium Indicated by National Relativity		25%	2.303	17%	2.413	4.72			
Pure Premium Present on Rate Level		26%	2.176	17%	2.248	4.42			
Pure Premium Derived by Formula		2.083			2.170			4.25	

CLASS 8107		MACHINERY DEALER NOC-STORE OR YARD-& DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	216,827,119	14	1,488,428	67	1,665,824	1,434,557	1,849,495	6,438,304	2.97
1/08 through 12/08	187,943,639	14	1,904,034	74	2,478,394	1,778,874	2,028,493	8,189,795	4.36
1/09 through 12/09	162,401,676	15	1,193,714	56	1,911,629	1,461,859	2,168,892	6,736,094	4.15
1/10 through 12/10	167,350,061	14	2,289,077	38	1,616,906	1,832,946	1,996,899	7,735,828	4.62
1/11 through 12/11	173,398,769	12	773,201	51	2,234,652	861,265	1,864,956	5,734,074	3.31
5 YR. TOTAL	907,921,264	69	7,648,454	286	9,907,405	7,369,501	9,908,735	34,834,095	3.84
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		79%	1.934	100%	1.903	3.84			
Pure Premium Indicated by National Relativity		10%	1.621	0%	1.623	3.24			
Pure Premium Present on Rate Level		11%	1.960	0%	1.851	3.81			
Pure Premium Derived by Formula		1.906			1.903			3.81	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8111		PLUMBERS SUPPLIES DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	61,449,103	5	470,404	10	229,139	240,455	273,660	1,213,658	1.98
1/08 through 12/08	47,089,226	0	0	10	275,892	0	288,030	563,922	1.20
1/09 through 12/09	39,205,559	4	476,182	9	94,142	419,703	196,464	1,186,491	3.03
1/10 through 12/10	51,467,051	0	0	8	233,421	0	236,315	469,736	0.91
1/11 through 12/11	53,605,948	2	176,170	9	311,558	341,983	235,377	1,065,088	1.99
5 YR. TOTAL	252,816,887	11	1,122,756	46	1,144,152	1,002,141	1,229,846	4,498,895	1.78
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		36%	0.897	47%	0.883			1.78	
Pure Premium Indicated by National Relativity		32%	1.218	26%	1.306			2.52	
Pure Premium Present on Rate Level		32%	1.004	27%	0.959			1.96	
Pure Premium Derived by Formula		1.034		1.014				2.05	

CLASS 8116		FARM MACHINERY DEALER-ALL OPERATIONS & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	45,857,284	2	402,727	16	747,195	134,445	806,592	2,090,959	4.56
1/08 through 12/08	41,628,463	1	7,119	9	111,671	34,086	126,623	279,499	0.67
1/09 through 12/09	41,521,828	4	659,925	14	331,277	1,008,942	286,982	2,287,126	5.51
1/10 through 12/10	44,785,985	4	200,328	12	328,240	210,017	408,933	1,147,518	2.56
1/11 through 12/11	43,699,785	2	98,779	8	131,018	35,794	169,424	435,015	1.00
5 YR. TOTAL	217,493,345	13	1,368,878	59	1,649,401	1,423,284	1,798,554	6,240,117	2.87
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		40%	1.388	54%	1.481			2.87	
Pure Premium Indicated by National Relativity		30%	1.275	23%	1.517			2.79	
Pure Premium Present on Rate Level		30%	1.506	23%	1.539			3.05	
Pure Premium Derived by Formula		1.390		1.503				2.89	

CLASS 8203		ICE MFG. OR DISTRIBUTION & DRIVERS							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,099,683	1	107,983	2	2,675	35,676	13,624	159,958	1.98
1/08 through 12/08	7,636,495	3	403,794	2	93,792	708,350	152,304	1,358,240	17.79
1/09 through 12/09	7,177,479	1	201,251	3	20,208	66,297	44,885	332,641	4.63
1/10 through 12/10	7,396,212	0	0	3	336,492	0	472,074	808,566	10.93
1/11 through 12/11	7,808,036	0	0	5	114,058	0	115,694	229,752	2.94
5 YR. TOTAL	38,117,905	5	713,028	15	567,225	810,323	798,581	2,889,157	7.58
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		24%	3.359	34%	4.221			7.58	
Pure Premium Indicated by National Relativity		38%	2.616	33%	2.561			5.18	
Pure Premium Present on Rate Level		38%	2.512	33%	2.852			5.36	
Pure Premium Derived by Formula		2.755		3.221				5.98	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8204		BUILDING MATERIAL YARD & LOCAL MANAGERS, DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,139,450	0	0	1	4,050	0	3,600	7,650	0.24
1/08 through 12/08	4,110,077	0	0	1	10,853	0	21,192	32,045	0.78
1/09 through 12/09	4,959,507	0	0	3	33,884	0	82,487	116,371	2.35
1/10 through 12/10	2,710,310	0	0	0	0	0	29,171	29,171	1.08
1/11 through 12/11	3,106,572	1	23,565	0	0	13,034	31,678	68,277	2.20
5 YR. TOTAL	18,025,916	1	23,565	5	48,787	13,034	168,128	253,514	1.41
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		15%	0.401	19%	1.005				1.41
Pure Premium Indicated by National Relativity		42%	1.607	40%	1.530				3.14
Pure Premium Present on Rate Level		43%	1.509	41%	1.459				2.97
Pure Premium Derived by Formula		1.384			1.401			2.79	

CLASS 8209		VEGETABLE PACKING & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	32,386,288	2	29,502	12	254,068	0	208,912	492,482	1.52
1/08 through 12/08	31,812,167	4	536,151	8	70,693	579,866	63,739	1,250,449	3.93
1/09 through 12/09	43,209,361	3	149,526	12	416,478	331,825	426,747	1,324,576	3.07
1/10 through 12/10	23,153,393	0	0	7	96,166	0	127,214	223,380	0.96
1/11 through 12/11	24,620,206	1	124,015	9	278,799	44,788	305,318	752,920	3.06
5 YR. TOTAL	155,181,415	10	839,194	48	1,116,204	956,479	1,131,930	4,043,807	2.61
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	1.260	47%	1.346				2.61
Pure Premium Indicated by National Relativity		32%	1.785	26%	2.134				3.92
Pure Premium Present on Rate Level		33%	1.514	27%	1.569				3.08
Pure Premium Derived by Formula		1.512			1.611			3.12	

CLASS 8215		FEED, FERTILIZER, HAY, OR GRAIN DEALER & LOCAL MANAGERS, DRIVERS - NO MFG							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	34,741,367	3	462,615	10	230,816	392,689	276,739	1,362,859	3.92
1/08 through 12/08	33,565,853	0	0	8	210,189	0	289,615	499,804	1.49
1/09 through 12/09	36,466,296	2	32,246	9	264,754	48,172	467,277	812,449	2.23
1/10 through 12/10	34,218,664	2	231,637	8	252,198	266,277	298,491	1,048,603	3.06
1/11 through 12/11	35,233,184	4	340,426	12	347,477	411,914	554,071	1,653,888	4.69
5 YR. TOTAL	174,225,364	11	1,066,924	47	1,305,434	1,119,052	1,886,193	5,377,603	3.09
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	1.362	51%	1.725				3.09
Pure Premium Indicated by National Relativity		31%	1.972	24%	1.982				3.95
Pure Premium Present on Rate Level		31%	1.708	25%	1.701				3.41
Pure Premium Derived by Formula		1.658			1.781			3.44	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8227		CONSTRUCTION OR ERECTION PERMANENT YARD							
Industry Group: Contracting Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	122,908,360	17	2,369,042	38	763,005	1,973,741	1,033,468	6,139,256	5.00
1/08 through 12/08	106,490,623	8	740,783	29	1,077,056	598,856	1,565,066	3,981,761	3.74
1/09 through 12/09	89,522,811	10	914,591	22	679,546	601,497	874,808	3,070,442	3.43
1/10 through 12/10	85,810,220	5	873,661	26	1,306,189	827,658	1,136,997	4,144,505	4.83
1/11 through 12/11	82,234,496	6	236,427	22	731,838	205,605	1,350,648	2,524,518	3.07
5 YR. TOTAL	486,966,510	46	5,134,504	137	4,557,634	4,207,357	5,960,987	19,860,482	4.08
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		66%	1.990	87%	2.088	4.08			
Pure Premium Indicated by National Relativity		17%	2.383	6%	2.301	4.68			
Pure Premium Present on Rate Level		17%	2.378	7%	2.334	4.71			
Pure Premium Derived by Formula		2.123			2.118			4.24	

CLASS 8232		LUMBERYARD NEW MATERIALS ONLY: ALL OTHER EMPLOYEES & YARD, WAREHOUSE, DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	340,921,974	36	2,909,099	117	3,636,744	4,222,956	4,107,744	14,876,543	4.36
1/08 through 12/08	321,656,977	21	3,454,546	117	3,130,710	3,001,005	3,960,366	13,546,627	4.21
1/09 through 12/09	233,526,278	24	2,258,647	85	2,936,283	2,348,464	3,754,455	11,297,849	4.84
1/10 through 12/10	225,061,198	15	1,780,965	95	2,504,338	1,810,649	2,699,691	8,795,643	3.91
1/11 through 12/11	224,491,466	22	2,667,844	70	1,498,359	2,921,468	2,300,309	9,387,980	4.18
5 YR. TOTAL	1,345,657,893	118	13,071,101	484	13,706,434	14,304,542	16,822,565	57,904,642	4.30
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		92%	1.990	100%	2.313	4.30			
Pure Premium Indicated by National Relativity		4%	2.381	0%	2.425	4.81			
Pure Premium Present on Rate Level		4%	1.936	0%	2.000	3.94			
Pure Premium Derived by Formula		2.003			2.313			4.32	

CLASS 8233		COAL MERCHANT & LOCAL MANAGERS, DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	514,444	0	0	0	0	0	0	0	0.00
1/08 through 12/08	65,845	0	0	0	0	0	0	0	0.00
1/09 through 12/09	66,301	0	0	0	0	0	0	0	0.00
1/10 through 12/10	62,888	0	0	0	0	0	0	0	0.00
1/11 through 12/11	68,326	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	777,804	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		5%	0.000	5%	0.000	0.00			
Pure Premium Indicated by National Relativity		45%	1.913	47%	1.203	3.12			
Pure Premium Present on Rate Level		50%	1.945	48%	1.173	3.12			
Pure Premium Derived by Formula		1.833			1.128			2.96	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8235		SASH, DOOR OR ASSEMBLED MILLWORK DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	25,203,576	5	679,786	9	256,223	446,328	264,423	1,646,760	6.53
1/08 through 12/08	19,376,182	1	4,920	12	533,745	13,213	467,599	1,019,477	5.26
1/09 through 12/09	15,923,738	1	49,228	5	160,230	719,443	182,671	1,111,572	6.98
1/10 through 12/10	15,480,755	1	220,420	3	22,324	100,582	117,118	460,444	2.97
1/11 through 12/11	15,192,308	2	182,348	6	94,112	220,524	203,135	700,119	4.61
5 YR. TOTAL	91,176,559	10	1,136,702	35	1,066,634	1,500,090	1,234,946	4,938,372	5.42
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		33%	2.417	48%	3.000	5.42			
Pure Premium Indicated by National Relativity		33%	2.018	26%	1.977	4.00			
Pure Premium Present on Rate Level		34%	2.148	26%	2.718	4.87			
Pure Premium Derived by Formula			2.194		2.661	4.86			

CLASS 8236		READY MIXED CONCRETE DEALER - & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	87,420,546	8	912,040	42	1,565,472	530,925	1,682,515	4,690,952	5.37
1/08 through 12/08	80,036,222	7	1,022,756	13	853,295	692,181	502,688	3,070,920	3.84
1/09 through 12/09	59,428,513	6	795,986	17	449,863	670,543	465,580	2,381,972	4.01
1/10 through 12/10	65,446,737	8	1,309,388	19	900,871	784,668	863,706	3,858,633	5.90
1/11 through 12/11	68,239,807	4	405,477	28	1,667,457	511,665	781,314	3,365,913	4.93
5 YR. TOTAL	360,571,825	33	4,445,647	119	5,436,958	3,189,982	4,295,803	17,368,390	4.82
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		66%	2.741	81%	2.076	4.82			
Pure Premium Indicated by National Relativity		17%	5.449	9%	3.861	9.31			
Pure Premium Present on Rate Level		17%	3.195	10%	2.586	5.78			
Pure Premium Derived by Formula			3.279		2.288	5.57			

CLASS 8263		JUNK DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,761,162	0	0	0	0	0	434	434	0.03
1/08 through 12/08	1,231,697	0	0	0	0	0	0	0	0.00
1/09 through 12/09	900,642	0	0	0	0	0	3,194	3,194	0.36
1/10 through 12/10	1,538,568	0	0	0	0	0	144	144	0.01
1/11 through 12/11	2,172,958	0	0	1	13,346	0	44,531	57,877	2.66
5 YR. TOTAL	7,605,027	0	0	1	13,346	0	48,303	61,649	0.81
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.175	18%	0.635	0.81			
Pure Premium Indicated by National Relativity		43%	3.357	41%	5.139	8.50			
Pure Premium Present on Rate Level		43%	2.972	41%	3.022	5.99			
Pure Premium Derived by Formula			2.746		3.460	6.21			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8264		BOTTLE DEALER-USED & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	24,906,704	0	0	13	167,238	0	272,866	440,104	1.77
1/08 through 12/08	24,294,180	4	356,181	13	405,830	313,996	542,521	1,618,528	6.66
1/09 through 12/09	24,116,799	3	174,395	9	326,062	327,274	589,974	1,417,705	5.88
1/10 through 12/10	27,507,732	1	41,005	10	302,986	185,705	179,605	709,301	2.58
1/11 through 12/11	31,733,796	1	84,050	12	475,381	82,872	287,311	929,614	2.93
5 YR. TOTAL	132,559,211	9	655,631	57	1,677,497	909,847	1,872,277	5,115,252	3.86
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		41%	1.760	53%		2.099		3.86	
Pure Premium Indicated by National Relativity		29%	2.743	23%		3.086		5.83	
Pure Premium Present on Rate Level		30%	2.626	24%		2.496		5.12	
Pure Premium Derived by Formula		2.305				2.421		4.73	

CLASS 8265		IRON OR STEEL SCRAP DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	46,365,922	8	876,199	35	429,582	1,934,875	723,274	3,963,930	8.55
1/08 through 12/08	41,825,801	3	241,064	19	365,372	256,652	388,382	1,251,470	2.99
1/09 through 12/09	41,548,976	2	188,082	28	1,157,195	691,775	1,145,985	3,183,037	7.66
1/10 through 12/10	52,050,994	4	187,530	24	1,050,680	280,314	1,182,265	2,700,789	5.19
1/11 through 12/11	54,565,355	5	717,092	29	854,834	504,782	1,034,816	3,111,524	5.70
5 YR. TOTAL	236,357,048	22	2,209,967	135	3,857,663	3,668,398	4,474,722	14,210,750	6.01
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		53%	2.567	80%		3.445		6.01	
Pure Premium Indicated by National Relativity		23%	2.761	10%		3.307		6.07	
Pure Premium Present on Rate Level		24%	2.798	10%		3.841		6.64	
Pure Premium Derived by Formula		2.667				3.471		6.14	

CLASS 8279		STABLE OR BREEDING FARM & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,596,008	1	170,214	4	34,896	91,336	109,418	405,864	7.25
1/08 through 12/08	4,889,278	0	0	2	22,463	0	138,107	160,570	3.28
1/09 through 12/09	4,612,380	0	0	4	27,823	0	70,322	98,145	2.13
1/10 through 12/10	4,826,745	0	0	7	116,781	0	212,703	329,484	6.83
1/11 through 12/11	4,568,324	2	418,714	0	0	1,159,993	33,418	1,612,125	35.29
5 YR. TOTAL	24,492,735	3	588,928	17	201,963	1,251,329	563,968	2,606,188	10.64
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		21%	3.229	31%		7.412		10.64	
Pure Premium Indicated by National Relativity		39%	2.918	34%		3.680		6.60	
Pure Premium Present on Rate Level		40%	2.537	35%		3.355		5.89	
Pure Premium Derived by Formula		2.831				4.723		7.55	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8288		LIVESTOCK DEALER OR COMMISSION MERCHANT & SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,519,301	1	271,122	2	4,009	140,812	24,725	440,668	12.52
1/08 through 12/08	2,795,319	0	0	1	5,628	0	37,654	43,282	1.55
1/09 through 12/09	3,008,889	2	255,892	1	5,739	335,142	47,729	644,502	21.42
1/10 through 12/10	2,983,939	2	75,261	4	33,543	32,409	59,406	200,619	6.72
1/11 through 12/11	3,093,515	1	173,992	1	32,929	101,109	18,051	326,081	10.54
5 YR. TOTAL	15,400,963	6	776,267	9	81,848	609,472	187,565	1,655,152	10.75
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	5.572	30%	5.175	10.75			
Pure Premium Indicated by National Relativity		40%	2.560	35%	4.059	6.62			
Pure Premium Present on Rate Level		40%	3.629	35%	5.099	8.73			
Pure Premium Derived by Formula		3.590			4.758			8.35	

CLASS 8291		STORAGE WAREHOUSE-COLD							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	12,664,954	0	0	5	10,387	0	87,765	98,152	0.78
1/08 through 12/08	13,643,507	0	0	13	336,579	0	653,034	989,613	7.25
1/09 through 12/09	12,723,095	0	0	6	69,612	0	67,059	136,671	1.07
1/10 through 12/10	12,530,862	0	0	8	130,128	0	323,853	453,981	3.62
1/11 through 12/11	13,096,924	1	588,662	5	36,064	658,656	111,422	1,394,804	10.65
5 YR. TOTAL	64,659,342	1	588,662	37	582,770	658,656	1,243,133	3,073,221	4.75
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		27%	1.812	40%	2.941	4.75			
Pure Premium Indicated by National Relativity		36%	2.021	30%	2.026	4.05			
Pure Premium Present on Rate Level		37%	1.844	30%	2.467	4.31			
Pure Premium Derived by Formula		1.899			2.524			4.42	

CLASS 8292		STORAGE WAREHOUSE NOC							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	185,750,707	26	1,842,222	107	1,913,553	1,434,042	2,592,477	7,782,294	4.19
1/08 through 12/08	179,525,981	18	1,434,754	82	1,831,075	1,634,760	2,016,019	6,916,608	3.85
1/09 through 12/09	179,694,050	24	1,172,216	71	1,460,094	1,206,866	1,580,735	5,419,911	3.02
1/10 through 12/10	176,380,006	20	908,193	128	2,614,689	920,100	2,262,943	6,705,925	3.80
1/11 through 12/11	168,107,347	18	1,875,596	76	1,335,147	1,144,191	1,630,321	5,985,255	3.56
5 YR. TOTAL	889,458,091	106	7,232,981	464	9,154,558	6,339,959	10,082,495	32,809,993	3.69
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		75%	1.842	100%	1.846	3.69			
Pure Premium Indicated by National Relativity		12%	1.662	0%	1.835	3.50			
Pure Premium Present on Rate Level		13%	1.792	0%	1.770	3.56			
Pure Premium Derived by Formula		1.814			1.846			3.66	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8293		STORAGE WAREHOUSE-FURNITURE & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	79,371,711	21	2,767,459	69	2,011,387	1,371,397	1,822,939	7,973,182	10.05
1/08 through 12/08	69,089,846	19	1,425,320	69	2,970,225	1,268,818	2,498,243	8,162,606	11.81
1/09 through 12/09	51,992,903	23	2,506,769	59	1,428,697	1,875,479	1,399,260	7,210,205	13.87
1/10 through 12/10	55,959,510	15	2,108,320	82	2,266,662	2,198,423	2,179,166	8,752,571	15.64
1/11 through 12/11	60,513,491	14	1,643,268	61	1,430,649	1,122,888	1,568,234	5,765,039	9.53
5 YR. TOTAL	316,927,461	92	10,451,136	340	10,107,620	7,837,005	9,467,842	37,863,603	11.95
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		81%	6.487	100%	5.460			11.95	
Pure Premium Indicated by National Relativity		9%	4.707	0%	4.255			8.96	
Pure Premium Present on Rate Level		10%	6.081	0%	5.109			11.19	
Pure Premium Derived by Formula		6.286			5.460		11.75		

CLASS 8304		GRAIN ELEVATOR OPERATION & LOCAL MANAGERS, DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,747,631	0	0	1	7,043	0	20,043	27,086	1.55
1/08 through 12/08	1,624,041	0	0	0	0	0	9,749	9,749	0.60
1/09 through 12/09	1,878,418	0	0	0	0	0	6,516	6,516	0.35
1/10 through 12/10	2,476,970	0	0	2	4,202	0	17,663	21,865	0.88
1/11 through 12/11	2,766,475	0	0	1	1,068	0	5,044	6,112	0.22
5 YR. TOTAL	10,493,535	0	0	4	12,313	0	59,015	71,328	0.68
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		14%	0.117	18%	0.562			0.68	
Pure Premium Indicated by National Relativity		43%	2.707	41%	2.938			5.65	
Pure Premium Present on Rate Level		43%	2.270	41%	2.202			4.47	
Pure Premium Derived by Formula		2.156			2.209		4.37		

CLASS 8350		GASOLINE DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	133,281,671	27	3,188,892	65	2,476,155	2,827,730	2,587,504	11,080,281	8.31
1/08 through 12/08	132,529,725	28	4,351,886	53	1,539,422	3,768,658	1,866,385	11,526,351	8.70
1/09 through 12/09	134,548,241	25	2,351,306	80	2,499,722	3,198,272	2,206,511	10,255,811	7.62
1/10 through 12/10	127,953,877	25	2,962,088	57	3,319,023	2,758,894	2,238,964	11,278,969	8.82
1/11 through 12/11	121,011,730	15	2,945,966	55	1,817,787	2,892,393	1,850,661	9,506,807	7.86
5 YR. TOTAL	649,325,244	120	15,800,138	310	11,652,109	15,445,947	10,750,025	53,648,219	8.26
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		96%	4.228	100%	4.034			8.26	
Pure Premium Indicated by National Relativity		2%	3.165	0%	2.625			5.79	
Pure Premium Present on Rate Level		2%	4.498	0%	4.262			8.76	
Pure Premium Derived by Formula		4.212			4.034		8.25		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8380		AUTOMOBILE SERVICE OR REPAIR CENTER & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	1,608,557,626	98	6,937,113	400	8,816,571	7,284,915	9,420,981	32,459,580	2.02
1/08 through 12/08	1,495,236,901	81	7,428,736	375	10,330,207	6,608,980	11,074,501	35,442,424	2.37
1/09 through 12/09	1,462,703,712	97	8,966,792	392	13,281,921	9,076,315	12,211,599	43,536,627	2.98
1/10 through 12/10	1,523,944,340	110	11,378,604	368	10,301,764	9,147,594	11,193,983	42,021,945	2.76
1/11 through 12/11	1,571,606,498	90	9,901,848	390	10,656,180	9,695,948	11,044,915	41,298,891	2.63
5 YR. TOTAL	7,662,049,077	476	44,613,093	1,925	53,386,643	41,813,752	54,945,979	194,759,467	2.54
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	1.279	100%	1.263	2.54			
Pure Premium Indicated by National Relativity		0%	1.473	0%	1.506	2.98			
Pure Premium Present on Rate Level		0%	1.304	0%	1.223	2.53			
Pure Premium Derived by Formula		1.279			1.263			2.54	

CLASS 8381		GASOLINE STATION:SELF-SERVICE ONLY-RETAIL							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	19,172,507	3	165,583	4	25,842	387,437	107,847	686,709	3.58
1/08 through 12/08	16,991,910	1	72,619	3	10,144	185,698	31,091	299,552	1.76
1/09 through 12/09	17,802,905	3	93,166	0	0	89,253	23,560	205,979	1.16
1/10 through 12/10	19,964,369	1	9,359	3	171,789	6,845	173,341	361,334	1.81
1/11 through 12/11	18,424,404	0	0	0	0	0	7,624	7,624	0.04
5 YR. TOTAL	92,356,095	8	340,727	10	207,775	669,233	343,463	1,561,198	1.69
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	0.594	38%	1.097	1.69			
Pure Premium Indicated by National Relativity		38%	0.887	31%	1.124	2.01			
Pure Premium Present on Rate Level		38%	1.028	31%	1.549	2.58			
Pure Premium Derived by Formula		0.870			1.245			2.12	

CLASS 8385		BUS CO.: GARAGE EMPLOYEES							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	TOTAL PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	38,165,335	2	24,105	14	156,089	16,107	262,242	458,543	1.20
1/08 through 12/08	43,583,303	7	439,223	16	502,786	387,437	531,534	1,860,980	4.27
1/09 through 12/09	42,329,331	1	232,781	13	254,771	58,868	310,362	856,782	2.02
1/10 through 12/10	43,636,072	6	1,008,417	6	107,183	834,465	198,644	2,148,709	4.93
1/11 through 12/11	49,093,140	1	23,565	6	92,775	16,626	140,037	273,003	0.56
5 YR. TOTAL	216,807,181	17	1,728,091	55	1,113,604	1,313,503	1,442,819	5,598,017	2.58
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		38%	1.311	53%	1.271	2.58			
Pure Premium Indicated by National Relativity		31%	1.142	23%	1.260	2.40			
Pure Premium Present on Rate Level		31%	1.363	24%	1.491	2.85			
Pure Premium Derived by Formula		1.275			1.321			2.60	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8392		AUTOMOBILE STORAGE GARAGE, PARKING LOT OR PARKING STATION, VALET SERVICE, CASHIERS OR COUNTER PERSONNEL & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	17,429,051	2	13,324	7	208,128	62,224	149,388	433,064	2.49
1/08 through 12/08	20,372,251	2	52,150	13	147,734	58,622	278,036	536,542	2.63
1/09 through 12/09	21,396,408	3	138,342	7	41,401	264,792	94,382	538,917	2.52
1/10 through 12/10	20,522,154	2	125,233	9	63,538	681,676	175,725	1,046,172	5.10
1/11 through 12/11	23,256,977	0	0	10	109,902	0	277,755	387,657	1.67
5 YR. TOTAL	102,976,841	9	329,049	46	570,703	1,067,314	975,286	2,942,352	2.86
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		25%	0.874	40%	1.984	2.86			
Pure Premium Indicated by National Relativity		37%	0.887	30%	1.128	2.02			
Pure Premium Present on Rate Level		38%	1.024	30%	1.544	2.57			
Pure Premium Derived by Formula		0.936			1.595			2.53	

CLASS 8393		AUTOMOBILE BODY REPAIR							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	166,377,127	8	648,778	26	566,701	823,977	565,526	2,604,982	1.57
1/08 through 12/08	146,419,511	6	392,175	22	414,967	399,562	490,319	1,697,023	1.16
1/09 through 12/09	161,221,886	6	512,516	24	865,295	879,305	643,889	2,901,005	1.80
1/10 through 12/10	162,650,190	5	1,412,945	25	737,982	514,775	725,547	3,391,249	2.09
1/11 through 12/11	187,892,399	7	561,973	26	762,244	372,140	514,719	2,211,076	1.18
5 YR. TOTAL	824,561,113	32	3,528,387	123	3,347,189	2,989,759	2,940,000	12,805,335	1.55
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		56%	0.834	70%	0.719	1.55			
Pure Premium Indicated by National Relativity		22%	1.127	15%	0.910	2.04			
Pure Premium Present on Rate Level		22%	0.926	15%	0.797	1.72			
Pure Premium Derived by Formula		0.919			0.759			1.68	

CLASS 8500		METAL SCRAP DEALER & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	5,991,007	2	251,265	3	111,322	549,630	86,107	998,324	16.66
1/08 through 12/08	4,022,500	1	43,659	4	163,096	11,257	123,466	341,478	8.49
1/09 through 12/09	5,813,154	1	49,299	7	61,375	16,688	109,932	237,294	4.08
1/10 through 12/10	9,648,925	0	0	2	2,980	0	52,827	55,807	0.58
1/11 through 12/11	7,584,396	1	75,594	3	114,878	81,338	153,533	425,343	5.61
5 YR. TOTAL	33,059,982	5	419,817	19	453,651	658,913	525,865	2,058,246	6.23
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		24%	2.642	34%	3.584	6.23			
Pure Premium Indicated by National Relativity		38%	2.737	33%	2.901	5.64			
Pure Premium Present on Rate Level		38%	2.704	33%	3.206	5.91			
Pure Premium Derived by Formula		2.702			3.234			5.94	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8601		ARCHITECTURAL OR ENGINEERING FIRM - INCLUDING SALESPERSONS & DRIVERS							
Industry Group: Office and Clerical Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	968,886,321	20	1,939,250	59	1,844,265	1,040,130	1,733,614	6,557,259	0.68
1/08 through 12/08	907,993,488	14	1,456,399	44	1,130,077	1,725,963	1,329,239	5,641,678	0.62
1/09 through 12/09	827,493,085	12	628,786	38	684,270	487,256	931,943	2,732,255	0.33
1/10 through 12/10	853,426,722	8	1,188,103	26	1,253,064	998,305	900,687	4,340,159	0.51
1/11 through 12/11	915,490,439	8	667,560	23	551,979	831,602	916,132	2,967,273	0.32
5 YR. TOTAL	4,473,290,055	62	5,880,098	190	5,463,655	5,083,256	5,811,615	22,238,624	0.50
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		71%	0.254	90%	0.244	0.50			
Pure Premium Indicated by National Relativity		14%	0.232	5%	0.229	0.46			
Pure Premium Present on Rate Level		15%	0.309	5%	0.271	0.58			
Pure Premium Derived by Formula		0.259			0.245			0.50	

CLASS 8602		SURVEYORS, TIMBER CRUISERS, OIL OR GAS GEOLOGISTS OR SCOUTS, & DRIVERS							
Industry Group: Office and Clerical Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	15,167,792	0	0	3	32,375	0	57,539	89,914	0.59
1/11 through 12/11	35,450,495	0	0	3	5,412	0	32,694	38,106	0.11
5 YR. TOTAL	50,618,287	0	0	6	37,787	0	90,233	128,020	0.25
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		12%	0.075	16%	0.178	0.25			
Pure Premium Indicated by National Relativity		38%	0.731	41%	0.671	1.40			
Pure Premium Present on Rate Level		50%	0.326	43%	0.303	0.63			
Pure Premium Derived by Formula		0.450			0.434			0.88	

CLASS 8603		ARCHITECTURAL OR ENGINEERING FIRM - CLERICAL							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	127,142,721	0	0	1	5,195	0	3,246	8,441	0.01
1/11 through 12/11	256,544,617	0	0	0	0	0	3,390	3,390	0.00
5 YR. TOTAL	383,687,338	0	0	1	5,195	0	6,636	11,831	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		14%	0.001	19%	0.002	0.00			
Pure Premium Indicated by National Relativity		25%	0.031	26%	0.041	0.07			
Pure Premium Present on Rate Level		61%	0.060	55%	0.064	0.12			
Pure Premium Derived by Formula		0.044			0.046			0.09	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8606		GEOPHYSICAL EXPLORATION - ALL EMPLOYEES & DRIVERS							
Industry Group: Goods and Services Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	7,425,652	0	0	1	7,360	0	48,793	56,153	0.76
1/08 through 12/08	5,932,359	1	40,795	1	52,043	35,549	11,185	139,572	2.35
1/09 through 12/09	5,684,364	1	185,867	4	100,901	99,037	97,564	483,369	8.50
1/10 through 12/10	7,507,503	2	47,941	2	1,609	88,884	8,522	146,956	1.96
1/11 through 12/11	8,713,949	1	40,249	1	20,326	72,971	63,196	196,742	2.26
5 YR. TOTAL	35,263,827	5	314,852	9	182,239	296,441	229,260	1,022,792	2.90
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	1.410	25%	1.491	2.90			
Pure Premium Indicated by National Relativity		38%	1.686	37%	1.574	3.26			
Pure Premium Present on Rate Level		42%	1.692	38%	1.457	3.15			
Pure Premium Derived by Formula		1.633			1.509		3.14		

CLASS 8710		FIELD BONDED WAREHOUSING -ALL EMPLOYEES & CLERICAL							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	25,320	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	5,628	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	30,948	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		1%	0.000	1%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		99%	1.354	99%	0.904	2.26			
Pure Premium Derived by Formula		1.340			0.895		2.24		

CLASS 8719		STEVEDORING: TALLIERS AND CHECKING CLERKS ENGAGED IN CONNECTION WITH STEVEDORE WORK							
Industry Group: Goods and Services Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	84,346	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	12,400	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	96,746	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	2%	0.000	0.00			
Pure Premium Indicated by National Relativity		26%	1.725	27%	1.786	3.51			
Pure Premium Present on Rate Level		72%	1.612	71%	1.586	3.20			
Pure Premium Derived by Formula		1.609			1.608		3.22		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8720		INSPECTION OF RISKS FOR INSURANCE OR VALUATION PURPOSES NOC							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	78,706,750	3	107,731	12	616,827	314,232	280,420	1,319,210	1.68
1/08 through 12/08	71,868,272	4	533,831	8	151,696	573,334	145,793	1,404,654	1.96
1/09 through 12/09	80,189,836	7	474,014	20	833,474	857,993	642,890	2,808,371	3.50
1/10 through 12/10	83,141,275	6	458,898	10	844,978	265,725	634,847	2,204,448	2.65
1/11 through 12/11	91,097,551	7	333,222	11	227,658	354,216	399,484	1,314,580	1.44
5 YR. TOTAL	405,003,684	27	1,907,696	61	2,674,633	2,365,500	2,103,434	9,051,263	2.23
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		43%	1.131	54%	1.103	2.23			
Pure Premium Indicated by National Relativity		28%	0.841	23%	0.749	1.59			
Pure Premium Present on Rate Level		29%	0.990	23%	0.848	1.84			
Pure Premium Derived by Formula		1.009			0.963			1.97	

CLASS 8721		REAL ESTATE APPRAISAL COMPANIES-OUTSIDE EMPLOYEES							
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	49,114,804	0	0	2	5,215	0	53,759	58,974	0.12
1/08 through 12/08	58,977,123	0	0	0	0	0	1,479	1,479	0.00
1/09 through 12/09	64,110,282	1	24,465	1	2,896	24,587	1,969	53,917	0.08
1/10 through 12/10	71,370,511	0	0	2	5,183	0	99,206	104,389	0.15
1/11 through 12/11	104,265,284	0	0	0	0	0	9,180	9,180	0.01
5 YR. TOTAL	347,838,004	1	24,465	5	13,294	24,587	165,593	227,939	0.07
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.011	25%	0.055	0.07			
Pure Premium Indicated by National Relativity		32%	0.159	34%	0.210	0.37			
Pure Premium Present on Rate Level		50%	0.132	41%	0.144	0.28			
Pure Premium Derived by Formula		0.119			0.144			0.26	

CLASS 8723 + +		INSURANCE COMPANIES - INCLUDING CLERICAL & SALESPERSONS							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	0.069	100%	0.074	0.14			
Pure Premium Derived by Formula		0.069			0.074			0.14	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8725		INVENTORY COUNTERS - TRAVELING - INCLUDING SALESPERSONS & CLERICAL							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,434	0	0	0	0	0	0	0	0.00
1/11 through 12/11	629,271	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>630,705</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	5%	0.000	0.00			
Pure Premium Indicated by National Relativity		20%	1.047	21%	1.476	2.52			
Pure Premium Present on Rate Level		77%	0.959	74%	1.120	2.08			
Pure Premium Derived by Formula		0.948		1.139		2.09			

CLASS 8742		SALESPERSONS OR COLLECTORS-OUTSIDE							
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,299,606,947	96	7,900,438	194	6,312,087	6,296,365	7,397,516	27,906,406	0.34
1/08 through 12/08	8,069,356,948	83	8,746,099	238	7,029,220	8,909,496	9,186,731	33,871,546	0.42
1/09 through 12/09	7,772,891,799	69	5,877,065	213	6,945,276	6,888,026	8,239,164	27,949,531	0.36
1/10 through 12/10	8,191,685,427	78	6,137,434	187	6,278,803	6,132,782	6,502,196	25,051,215	0.31
1/11 through 12/11	8,568,828,965	58	6,036,979	209	10,388,804	6,268,148	9,559,287	32,253,218	0.38
<b>5 YR. TOTAL</b>	<b>40,902,370,086</b>	<b>384</b>	<b>34,698,015</b>	<b>1,041</b>	<b>36,954,190</b>	<b>34,494,817</b>	<b>40,884,894</b>	<b>147,031,916</b>	<b>0.36</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	0.175	100%	0.184	0.36			
Pure Premium Indicated by National Relativity		0%	0.156	0%	0.166	0.32			
Pure Premium Present on Rate Level		0%	0.171	0%	0.172	0.34			
Pure Premium Derived by Formula		0.175		0.184		0.36			

CLASS 8745		NEWS AGENT OR DISTRIBUTOR OF MAGAZINES OR OTHER PERIODICALS-NOT RETAIL DEALER-& SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,312,337	2	20,227	3	21,994	68,910	33,836	144,967	1.74
1/08 through 12/08	4,052,377	1	123,929	1	5,549	91,387	18,698	239,563	5.91
1/09 through 12/09	7,118,831	0	0	3	15,089	0	26,413	41,502	0.58
1/10 through 12/10	4,893,506	4	209,674	1	483	808,702	3,893	1,022,752	20.90
1/11 through 12/11	4,173,103	0	0	3	57,864	0	30,184	88,048	2.11
<b>5 YR. TOTAL</b>	<b>28,550,154</b>	<b>7</b>	<b>353,830</b>	<b>11</b>	<b>100,979</b>	<b>968,999</b>	<b>113,024</b>	<b>1,536,832</b>	<b>5.38</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		20%	1.593	31%	3.790	5.38			
Pure Premium Indicated by National Relativity		40%	1.698	34%	2.353	4.05			
Pure Premium Present on Rate Level		40%	1.956	35%	2.883	4.84			
Pure Premium Derived by Formula		1.780		2.984		4.76			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 8748		<b>AUTOMOBILE SALESPERSONS</b>							
Industry Group: Office and Clerical Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	656,145,865	22	798,037	37	709,309	760,390	965,400	3,233,136	0.49
1/08 through 12/08	549,412,836	12	1,032,170	25	455,827	615,477	592,762	2,696,236	0.49
1/09 through 12/09	520,686,722	11	1,510,754	33	1,674,808	2,098,712	1,004,500	6,288,774	1.21
1/10 through 12/10	549,596,575	9	444,342	15	346,331	444,093	563,308	1,798,074	0.33
1/11 through 12/11	619,573,802	8	864,671	26	797,952	798,804	753,783	3,215,210	0.52
5 YR. TOTAL	2,895,415,800	62	4,649,974	136	3,984,227	4,717,476	3,879,753	17,231,430	0.60
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		60%	0.298	77%	0.297	0.60			
Pure Premium Indicated by National Relativity		20%	0.330	11%	0.336	0.67			
Pure Premium Present on Rate Level		20%	0.311	12%	0.279	0.59			
Pure Premium Derived by Formula		0.307			0.299			0.61	

<b>CLASS</b> 8755		<b>LABOR UNION-ALL EMPLOYEES</b>							
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	8,068,165	0	0	0	0	0	0	0	0.00
1/08 through 12/08	7,582,499	0	0	0	0	0	0	0	0.00
1/09 through 12/09	8,092,408	0	0	0	0	0	0	0	0.00
1/10 through 12/10	19,328,374	0	0	1	7,669	0	28,167	35,836	0.19
1/11 through 12/11	9,028,354	0	0	0	0	0	3,019	3,019	0.03
5 YR. TOTAL	52,099,800	0	0	1	7,669	0	31,186	38,855	0.08
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		10%	0.015	13%	0.060	0.08			
Pure Premium Indicated by National Relativity		45%	0.230	43%	0.295	0.53			
Pure Premium Present on Rate Level		45%	0.196	44%	0.175	0.37			
Pure Premium Derived by Formula		0.193			0.212			0.41	

<b>CLASS</b> 8799		<b>MAILING OR ADDRESSING COMPANY OR LETTER SERVICE SHOP - CLERICAL STAFF</b>							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL AMOUNT	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT		
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	1,981,351	0	0	0	0	0	0	0	0.00
1/09 through 12/09	5,573,982	0	0	0	0	0	0	0	0.00
1/10 through 12/10	2,504,649	0	0	1	1,100	0	4,166	5,266	0.21
1/11 through 12/11	4,121,005	0	0	0	0	0	1,525	1,525	0.04
5 YR. TOTAL	14,180,987	0	0	1	1,100	0	5,691	6,791	0.05
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.008	9%	0.040	0.05			
Pure Premium Indicated by National Relativity		30%	0.172	32%	0.263	0.44			
Pure Premium Present on Rate Level		64%	0.238	59%	0.257	0.50			
Pure Premium Derived by Formula		0.204			0.239			0.44	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8800		MAILING OR ADDRESSING COMPANY OR LETTER SERVICE SHOP							
Industry Group: Office and Clerical Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	27,447,045	0	0	1	6,331	0	32,844	39,175	0.14
1/08 through 12/08	36,353,039	1	21,530	6	183,327	1,483	252,391	458,731	1.26
1/09 through 12/09	25,472,556	0	0	1	1,194	0	21,767	22,961	0.09
1/10 through 12/10	28,288,520	0	0	7	112,854	0	109,509	222,363	0.79
1/11 through 12/11	23,071,237	0	0	2	17,821	0	4,246	22,067	0.10
5 YR. TOTAL	140,632,397	1	21,530	17	321,527	1,483	420,757	765,297	0.54
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	0.244	28%	0.300	0.54			
Pure Premium Indicated by National Relativity		39%	0.626	36%	0.712	1.34			
Pure Premium Present on Rate Level		40%	0.453	36%	0.480	0.93			
Pure Premium Derived by Formula		0.477			0.513			0.99	

CLASS 8803		AUDITOR, ACCOUNTANT, OR COMPUTER SYSTEM DESIGNER OR PROGRAMMER - TRAVELING							
Industry Group: Office and Clerical Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,492,023,639	4	583,728	6	76,600	448,101	199,945	1,308,374	0.09
1/08 through 12/08	1,599,908,054	4	259,356	8	386,418	433,081	358,844	1,437,699	0.09
1/09 through 12/09	1,674,466,626	2	353,077	7	170,738	247,361	188,027	959,203	0.06
1/10 through 12/10	2,028,454,170	6	397,999	12	744,755	610,953	397,079	2,150,786	0.11
1/11 through 12/11	2,093,048,835	6	500,216	11	717,037	1,354,785	475,253	3,047,291	0.15
5 YR. TOTAL	8,887,901,324	22	2,094,376	44	2,095,548	3,094,281	1,619,148	8,903,353	0.10
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		42%	0.047	52%	0.053	0.10			
Pure Premium Indicated by National Relativity		29%	0.033	24%	0.037	0.07			
Pure Premium Present on Rate Level		29%	0.041	24%	0.035	0.08			
Pure Premium Derived by Formula		0.041			0.045			0.09	

CLASS 8810		CLERICAL OFFICE EMPLOYEES NOC							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	33,629,489,124	161	9,815,876	575	12,315,092	9,553,826	15,025,720	46,710,514	0.14
1/08 through 12/08	33,422,253,454	170	11,185,507	576	15,080,959	9,277,375	17,480,306	53,024,147	0.16
1/09 through 12/09	33,383,856,419	166	8,125,850	530	13,076,240	7,208,731	15,921,643	44,332,464	0.13
1/10 through 12/10	34,937,422,883	146	10,193,218	492	12,279,199	11,555,140	14,313,093	48,340,650	0.14
1/11 through 12/11	36,469,904,892	121	7,194,050	433	12,520,175	7,934,490	15,340,934	42,989,649	0.12
5 YR. TOTAL	171,842,926,772	764	46,514,501	2,606	65,271,665	45,529,562	78,081,696	235,397,424	0.14
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	0.065	100%	0.072	0.14			
Pure Premium Indicated by National Relativity		0%	0.072	0%	0.090	0.16			
Pure Premium Present on Rate Level		0%	0.069	0%	0.074	0.14			
Pure Premium Derived by Formula		0.065			0.072			0.14	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8820		ATTORNEY-ALL EMPLOYEES & CLERICAL, MESSENGERS, DRIVERS							
Industry Group: Office and Clerical Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,159,487,320	4	121,238	9	103,218	214,225	180,603	619,284	0.05
1/08 through 12/08	1,203,682,800	4	579,787	22	341,471	463,739	478,626	1,863,623	0.16
1/09 through 12/09	1,204,089,787	4	86,485	16	223,367	111,023	285,368	706,243	0.06
1/10 through 12/10	1,198,174,844	1	45,398	21	521,178	59,379	542,346	1,168,301	0.10
1/11 through 12/11	1,235,348,572	6	725,068	16	590,452	530,868	675,443	2,521,831	0.20
5 YR. TOTAL	6,000,783,323	19	1,557,976	84	1,779,686	1,379,234	2,162,386	6,879,282	0.12
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		41%	0.056	57%	0.059	0.12			
Pure Premium Indicated by National Relativity		29%	0.073	21%	0.085	0.16			
Pure Premium Present on Rate Level		30%	0.058	22%	0.066	0.12			
Pure Premium Derived by Formula		0.062			0.066			0.13	

CLASS 8824		RETIREMENT LIVING CENTERS: HEALTH CARE EMPLOYEES							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	238,693,144	34	2,368,845	97	1,053,504	3,157,572	1,914,246	8,494,167	3.56
1/08 through 12/08	252,968,449	38	1,716,692	108	2,183,247	1,661,453	2,442,384	8,003,776	3.16
1/09 through 12/09	262,503,508	37	2,547,402	109	1,656,445	2,125,956	2,331,343	8,661,146	3.30
1/10 through 12/10	257,945,350	36	1,591,943	92	1,597,491	2,111,438	2,716,606	8,017,478	3.11
1/11 through 12/11	264,918,113	21	1,086,564	80	1,639,053	1,010,696	2,557,170	6,293,483	2.38
5 YR. TOTAL	1,277,028,564	166	9,311,446	486	8,129,740	10,067,115	11,961,749	39,470,050	3.09
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		81%	1.366	100%	1.725	3.09			
Pure Premium Indicated by National Relativity		9%	1.534	0%	1.934	3.47			
Pure Premium Present on Rate Level		10%	1.508	0%	1.767	3.28			
Pure Premium Derived by Formula		1.395			1.725			3.12	

CLASS 8825		RETIREMENT LIVING CENTERS: FOOD SERVICE EMPLOYEES							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	81,081,091	8	309,071	28	284,131	584,189	367,199	1,544,590	1.91
1/08 through 12/08	86,433,786	5	129,111	22	147,552	131,813	310,870	719,346	0.83
1/09 through 12/09	92,268,627	9	517,364	21	312,535	553,500	407,643	1,791,042	1.94
1/10 through 12/10	91,770,410	7	240,795	18	234,249	207,824	367,490	1,050,358	1.15
1/11 through 12/11	90,459,660	7	232,306	18	254,107	328,254	482,221	1,296,888	1.43
5 YR. TOTAL	442,013,574	36	1,428,647	107	1,232,574	1,805,580	1,935,423	6,402,224	1.45
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		40%	0.602	58%	0.846	1.45			
Pure Premium Indicated by National Relativity		30%	0.809	21%	1.099	1.91			
Pure Premium Present on Rate Level		30%	0.756	21%	0.901	1.66			
Pure Premium Derived by Formula		0.710			0.911			1.62	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8826		RETIREMENT LIVING CENTERS: ALL OTHER EMPLOYEES, SALESPERSONS & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	134,803,881	13	887,511	39	399,144	906,720	903,274	3,096,649	2.30
1/08 through 12/08	151,740,964	14	1,216,971	40	888,270	1,042,609	1,493,270	4,641,120	3.06
1/09 through 12/09	232,727,637	24	2,130,219	70	1,942,937	1,802,141	1,616,904	7,492,201	3.22
1/10 through 12/10	167,919,309	29	1,733,910	70	1,659,460	1,386,257	1,879,172	6,658,799	3.97
1/11 through 12/11	169,275,143	25	1,517,342	46	885,783	949,011	1,291,311	4,643,447	2.74
5 YR. TOTAL	856,466,934	105	7,485,953	265	5,775,594	6,086,738	7,183,931	26,532,216	3.10
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		68%	1.548	92%	1.549	3.10			
Pure Premium Indicated by National Relativity		16%	1.090	4%	1.390	2.48			
Pure Premium Present on Rate Level		16%	1.464	4%	1.514	2.98			
Pure Premium Derived by Formula		1.461			1.541			3.00	

CLASS 8831		HOSPITAL-VETERINARY & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	255,922,643	8	217,393	41	511,294	121,950	1,262,727	2,113,364	0.83
1/08 through 12/08	280,390,776	6	187,193	47	630,704	325,587	1,598,227	2,741,711	0.98
1/09 through 12/09	285,385,185	8	504,344	68	1,061,547	551,420	2,194,066	4,311,377	1.51
1/10 through 12/10	305,793,629	8	621,591	69	711,392	424,867	2,260,360	4,018,210	1.31
1/11 through 12/11	318,016,909	9	682,334	49	984,692	349,827	2,352,670	4,369,523	1.37
5 YR. TOTAL	1,445,509,142	39	2,212,855	274	3,899,629	1,773,651	9,668,050	17,554,185	1.22
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	0.423	89%	0.792	1.22			
Pure Premium Indicated by National Relativity		23%	0.503	5%	0.864	1.37			
Pure Premium Present on Rate Level		24%	0.456	6%	0.809	1.27			
Pure Premium Derived by Formula		0.449			0.797			1.25	

CLASS 8832		PHYSICIAN & CLERICAL							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,517,984,501	52	3,709,757	154	4,560,347	3,831,030	5,307,778	17,408,912	0.39
1/08 through 12/08	4,743,000,841	54	3,838,430	126	2,513,779	4,073,292	3,754,950	14,180,451	0.30
1/09 through 12/09	4,869,448,877	42	4,368,096	142	3,847,463	3,911,503	4,434,247	16,561,309	0.34
1/10 through 12/10	4,931,131,080	51	4,962,130	152	4,534,396	3,977,346	5,253,092	18,726,964	0.38
1/11 through 12/11	5,230,044,067	55	4,066,248	150	4,298,696	5,128,903	4,545,383	18,039,230	0.35
5 YR. TOTAL	24,291,609,366	254	20,944,661	724	19,754,681	20,922,074	23,295,450	84,916,866	0.35
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	0.168	100%	0.182	0.35			
Pure Premium Indicated by National Relativity		0%	0.152	0%	0.172	0.32			
Pure Premium Present on Rate Level		0%	0.161	0%	0.162	0.32			
Pure Premium Derived by Formula		0.168			0.182			0.35	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8833		HOSPITAL: PROFESSIONAL EMPLOYEES							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,209,933,346	61	4,981,030	150	3,256,908	4,755,504	3,838,803	16,832,245	1.39
1/08 through 12/08	1,402,578,303	53	5,537,447	198	4,245,920	4,037,961	5,465,375	19,286,703	1.38
1/09 through 12/09	1,322,839,138	43	4,735,652	147	4,280,084	5,058,828	4,465,698	18,540,262	1.40
1/10 through 12/10	1,513,076,346	51	4,906,474	193	3,484,455	4,503,100	4,662,255	17,556,284	1.16
1/11 through 12/11	1,538,884,459	43	5,015,346	163	4,067,003	4,513,226	5,732,235	19,327,810	1.26
5 YR. TOTAL	6,987,311,592	251	25,175,949	851	19,334,370	22,868,619	24,164,366	91,543,304	1.31
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	0.637	100%	0.673	1.31			
Pure Premium Indicated by National Relativity		0%	0.488	0%	0.546	1.03			
Pure Premium Present on Rate Level		0%	0.672	0%	0.670	1.34			
Pure Premium Derived by Formula		0.637			0.673			1.31	

CLASS 8835		HOME, PUBLIC, AND TRAVELING HEALTHCARE--ALL EMPLOYEES							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	694,048,808	79	5,425,007	191	3,141,138	5,608,294	3,561,520	17,735,959	2.56
1/08 through 12/08	798,759,026	75	4,416,592	237	3,964,178	5,318,489	4,558,182	18,257,441	2.29
1/09 through 12/09	843,003,023	93	6,459,717	241	3,897,649	6,060,987	3,955,920	20,374,273	2.42
1/10 through 12/10	830,871,699	93	5,549,199	249	4,246,622	5,899,362	4,776,147	20,471,330	2.46
1/11 through 12/11	808,125,587	80	6,744,386	277	5,888,514	6,717,189	6,239,815	25,589,904	3.17
5 YR. TOTAL	3,974,808,143	420	28,594,901	1,195	21,138,101	29,604,321	23,091,584	102,428,907	2.58
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	1.251	100%	1.326	2.58			
Pure Premium Indicated by National Relativity		0%	1.185	0%	1.167	2.35			
Pure Premium Present on Rate Level		0%	1.196	0%	1.178	2.37			
Pure Premium Derived by Formula		1.251			1.326			2.58	

CLASS 8842		GROUP HOMES-ALL EMPLOYEES & SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	125,467,032	6	147,205	39	560,985	189,420	938,185	1,835,795	1.46
1/10 through 12/10	311,437,971	27	1,614,447	121	1,396,434	1,576,502	1,949,191	6,536,574	2.10
1/11 through 12/11	363,525,226	32	1,367,391	127	1,960,681	2,112,279	2,537,318	7,977,669	2.19
5 YR. TOTAL	800,430,229	65	3,129,043	287	3,918,100	3,878,201	5,424,694	16,350,038	2.04
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		56%	0.880	80%	1.162	2.04			
Pure Premium Indicated by National Relativity		22%	1.118	10%	1.454	2.57			
Pure Premium Present on Rate Level		22%	0.958	10%	1.140	2.10			
Pure Premium Derived by Formula		0.950			1.189			2.14	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8848		DOMICILIARY HOMES-ALL EMPLOYEES							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	150,455,305	25	780,548	49	543,995	856,128	775,654	2,956,325	1.97
1/08 through 12/08	129,865,761	20	1,065,484	54	693,257	926,473	839,964	3,525,178	2.71
1/09 through 12/09	134,748,943	17	615,126	48	672,679	379,618	1,070,446	2,737,869	2.03
1/10 through 12/10	134,889,761	18	891,747	54	1,267,814	816,496	1,265,483	4,241,540	3.14
1/11 through 12/11	148,217,140	21	821,599	46	588,314	846,791	1,026,502	3,283,206	2.22
5 YR. TOTAL	698,176,910	101	4,174,504	251	3,766,059	3,825,506	4,978,049	16,744,118	2.40
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		60%	1.137	81%	1.261	2.40			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		40%	1.282	19%	1.322	2.60			
Pure Premium Derived by Formula		1.195			1.273			2.47	

CLASS 8849		NURSING HOME-ALL EMPLOYEES							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	810,001,158	99	6,525,532	309	5,967,905	5,807,992	6,530,305	24,831,734	3.07
1/08 through 12/08	904,067,446	115	7,752,804	308	5,321,291	8,034,696	7,487,937	28,596,728	3.16
1/09 through 12/09	973,594,320	113	7,377,650	353	6,799,991	7,228,518	7,099,265	28,505,424	2.93
1/10 through 12/10	974,599,342	130	8,777,249	335	5,706,534	8,225,345	7,465,554	30,174,682	3.10
1/11 through 12/11	1,031,434,786	105	10,040,823	348	7,929,557	7,970,553	9,010,201	34,951,134	3.39
5 YR. TOTAL	4,693,697,052	562	40,474,058	1,653	31,725,278	37,267,104	37,593,262	147,059,702	3.13
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	1.538	100%	1.595	3.13			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		0%	1.561	0%	1.522	3.08			
Pure Premium Derived by Formula		1.538			1.595			3.13	

CLASS 8855 + +		BANKS AND TRUST COMPANIES - ALL EMPLOYEES, SALESPERSONS, DRIVERS & CLERICAL							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		27%	0.123	28%	0.159	0.28			
Pure Premium Present on Rate Level		73%	0.069	72%	0.074	0.14			
Pure Premium Derived by Formula		0.084			0.098			0.18	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS		CHECK CASHING ESTABLISHMENTS - ALL EMPLOYEES, SALESPERSONS, DRIVERS & CLERICAL							
8856 ++		CLERICAL							
Industry Group: Office and Clerical Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	0.069	100%	0.074	0.14			
Pure Premium Derived by Formula		0.069			0.074			0.14	

CLASS		SOCIAL SERVICES ORGANIZATION-ALL EMPLOYEES & SALESPERSONS, DRIVERS							
8864		CLERICAL							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	867,808,630	77	3,894,693	180	2,799,712	3,892,445	4,288,053	14,874,903	1.71
1/08 through 12/08	877,630,685	55	2,850,788	204	3,314,722	2,785,607	4,072,967	13,024,084	1.48
1/09 through 12/09	735,734,882	41	1,900,500	179	2,951,897	1,897,257	3,721,122	10,470,776	1.42
1/10 through 12/10	496,173,846	32	1,574,875	88	1,690,606	1,968,347	2,417,039	7,650,867	1.54
1/11 through 12/11	551,869,351	29	1,092,445	86	1,874,464	1,169,435	2,987,791	7,124,135	1.29
5 YR. TOTAL	3,529,217,394	234	11,313,301	737	12,631,401	11,713,091	17,486,972	53,144,765	1.51
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		90%	0.678	100%	0.827	1.51			
Pure Premium Indicated by National Relativity		5%	0.788	0%	1.088	1.88			
Pure Premium Present on Rate Level		5%	0.714	0%	0.800	1.51			
Pure Premium Derived by Formula		0.685			0.827			1.51	

CLASS		COLLEGE: PROFESSIONAL EMPLOYEES & CLERICAL							
8868		CLERICAL							
Industry Group: Office and Clerical Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	3,313,301,888	78	2,448,774	258	1,881,252	2,368,781	3,959,643	10,658,450	0.32
1/08 through 12/08	3,562,869,800	101	3,851,490	294	2,830,366	4,038,482	5,383,784	16,104,122	0.45
1/09 through 12/09	3,809,953,986	104	3,402,684	309	2,967,225	3,757,788	6,098,878	16,226,575	0.43
1/10 through 12/10	3,871,679,566	83	3,115,113	346	3,946,799	4,424,822	6,633,333	18,120,067	0.47
1/11 through 12/11	3,831,047,394	68	2,855,200	303	4,800,914	3,212,627	7,334,060	18,202,801	0.48
5 YR. TOTAL	18,388,852,634	434	15,673,261	1,510	16,426,556	17,802,500	29,409,698	79,312,015	0.43
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		97%	0.175	100%	0.257	0.43			
Pure Premium Indicated by National Relativity		1%	0.149	0%	0.222	0.37			
Pure Premium Present on Rate Level		2%	0.162	0%	0.247	0.41			
Pure Premium Derived by Formula		0.174			0.257			0.43	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 8869		CHILD CARE CENTER - ALL EMPLOYEES INCLUDING CLERICAL, SALESPERSONS & DRIVERS							
Industry Group: Office and Clerical Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	461,541,729	14	1,012,980	68	857,889	981,723	1,447,531	4,300,123	0.93
1/08 through 12/08	509,453,139	23	578,991	93	1,280,389	1,503,624	1,856,356	5,219,360	1.03
1/09 through 12/09	517,690,550	27	714,198	92	1,636,326	670,881	2,337,672	5,359,077	1.04
1/10 through 12/10	559,261,390	35	1,707,632	96	1,668,320	1,497,193	2,097,361	6,970,506	1.25
1/11 through 12/11	557,264,591	20	1,073,831	59	914,615	1,243,652	1,484,565	4,716,663	0.85
5 YR. TOTAL	2,605,211,399	119	5,087,632	408	6,357,539	5,897,073	9,223,485	26,565,729	1.02
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		67%	0.439	100%	0.580	1.02			
Pure Premium Indicated by National Relativity		16%	0.429	0%	0.672	1.10			
Pure Premium Present on Rate Level		17%	0.455	0%	0.612	1.07			
Pure Premium Derived by Formula		0.440			0.580			1.02	

CLASS 8871		CLERICAL TELECOMMUTER EMPLOYEES							
Industry Group: Office and Clerical Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	67,395,053	1	34,554	0	0	33,211	1,404	69,169	0.10
1/08 through 12/08	101,356,092	1	8,648	0	0	8,014	9,604	26,266	0.03
1/09 through 12/09	126,813,292	1	134,033	1	7,679	123,805	10,138	275,655	0.22
1/10 through 12/10	167,422,660	0	0	1	77,299	0	26,614	103,913	0.06
1/11 through 12/11	215,245,424	0	0	1	2,178	0	2,093	4,271	0.00
5 YR. TOTAL	678,232,521	3	177,235	3	87,156	165,030	49,853	479,274	0.07
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		18%	0.039	24%	0.032	0.07			
Pure Premium Indicated by National Relativity		38%	0.055	38%	0.056	0.11			
Pure Premium Present on Rate Level		44%	0.067	38%	0.066	0.13			
Pure Premium Derived by Formula		0.057			0.054			0.11	

CLASS 8901		TELECOMMUNICATIONS CO.: OFFICE OR EXCHANGE EMPLOYEES & CLERICAL							
Industry Group: Office and Clerical Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	842,537,769	6	237,087	8	91,952	150,063	209,119	688,221	0.08
1/08 through 12/08	776,131,310	5	248,379	25	770,633	605,202	770,356	2,394,570	0.31
1/09 through 12/09	919,392,762	5	551,173	20	782,789	231,164	672,518	2,237,644	0.24
1/10 through 12/10	894,202,828	3	48,980	11	139,892	83,207	289,409	561,488	0.06
1/11 through 12/11	967,540,274	2	64,813	12	621,748	32,664	452,686	1,171,911	0.12
5 YR. TOTAL	4,399,804,943	21	1,150,432	76	2,407,014	1,102,300	2,394,088	7,053,834	0.16
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		45%	0.081	57%	0.079	0.16			
Pure Premium Indicated by National Relativity		27%	0.111	21%	0.105	0.22			
Pure Premium Present on Rate Level		28%	0.102	22%	0.089	0.19			
Pure Premium Derived by Formula		0.095			0.087			0.18	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9012		BUILDING OR PROPERTY MANAGEMENT - PROPERTY MANAGERS AND LEASING AGENTS & CLERICAL, SALESPERSONS							
Industry Group: Office and Clerical Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	453,688,500	17	2,178,015	44	739,512	3,183,029	982,874	7,083,430	1.56
1/08 through 12/08	501,711,975	14	765,469	50	1,906,470	757,510	1,897,644	5,327,093	1.06
1/09 through 12/09	525,200,919	18	1,770,254	45	883,960	1,451,100	1,005,046	5,110,360	0.97
1/10 through 12/10	555,799,854	22	1,948,416	49	1,165,439	2,135,197	1,195,580	6,444,632	1.16
1/11 through 12/11	607,068,799	19	1,549,186	45	1,364,802	1,395,537	1,621,473	5,930,998	0.98
5 YR. TOTAL	2,643,470,047	90	8,211,340	233	6,060,183	8,922,373	6,702,617	29,896,513	1.13
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		74%	0.540	98%	0.591	1.13			
Pure Premium Indicated by National Relativity		13%	0.573	1%	0.605	1.18			
Pure Premium Present on Rate Level		13%	0.576	1%	0.566	1.14			
Pure Premium Derived by Formula		0.549			0.591			1.14	

CLASS 9014		JANITORIAL SERVICES BY CONTRACTORS - NO WINDOW CLEANING ABOVE GROUND LEVEL & DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	535,356,751	59	3,466,239	163	2,740,157	3,834,245	3,727,065	13,767,706	2.57
1/08 through 12/08	518,667,489	55	4,380,169	169	3,342,489	3,141,604	3,752,618	14,616,880	2.82
1/09 through 12/09	546,600,063	48	3,073,157	158	3,359,496	3,570,239	4,845,608	14,848,500	2.72
1/10 through 12/10	558,658,025	52	4,299,777	173	4,245,458	3,419,174	4,966,449	16,930,858	3.03
1/11 through 12/11	609,157,366	43	2,438,353	210	4,089,610	2,852,323	5,214,266	14,594,552	2.40
5 YR. TOTAL	2,768,439,694	257	17,657,695	873	17,777,210	16,817,585	22,506,006	74,758,496	2.70
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	1.280	100%	1.420	2.70			
Pure Premium Indicated by National Relativity		0%	1.438	0%	1.635	3.07			
Pure Premium Present on Rate Level		0%	1.281	0%	1.371	2.65			
Pure Premium Derived by Formula		1.280			1.420			2.70	

CLASS 9015		BUILDING OR PROPERTY MANAGEMENT - ALL OTHER EMPLOYEES							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	387,609,738	43	3,160,458	124	3,550,974	2,838,915	3,554,869	13,105,216	3.38
1/08 through 12/08	402,114,028	34	3,373,428	120	4,319,153	3,375,261	4,173,002	15,240,844	3.79
1/09 through 12/09	407,286,336	30	1,735,032	123	3,536,960	1,977,030	3,749,176	10,998,198	2.70
1/10 through 12/10	431,317,124	44	4,267,192	139	4,018,134	4,618,575	4,514,290	17,418,191	4.04
1/11 through 12/11	456,519,766	24	2,562,678	145	4,757,296	2,119,418	5,378,691	14,818,083	3.25
5 YR. TOTAL	2,084,846,992	175	15,098,788	651	20,182,517	14,929,199	21,370,028	71,580,532	3.43
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	1.692	100%	1.741	3.43			
Pure Premium Indicated by National Relativity		0%	1.663	0%	1.733	3.40			
Pure Premium Present on Rate Level		0%	1.677	0%	1.645	3.32			
Pure Premium Derived by Formula		1.692			1.741			3.43	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9016		AMUSEMENT PARK OR EXHIBITION OPERATION AND DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	25,819,391	4	55,282	17	207,344	167,336	217,983	647,945	2.51
1/08 through 12/08	28,413,861	4	264,490	13	80,074	125,763	189,304	659,631	2.32
1/09 through 12/09	25,590,674	5	164,892	21	341,479	191,101	459,663	1,157,135	4.52
1/10 through 12/10	34,967,345	3	46,856	5	64,773	49,113	363,941	524,683	1.50
1/11 through 12/11	38,444,862	3	333,532	15	175,040	1,010,593	425,443	1,944,608	5.06
5 YR. TOTAL	153,236,133	19	865,052	71	868,710	1,543,906	1,656,334	4,934,002	3.22
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		31%	1.131	48%		2.088		3.22	
Pure Premium Indicated by National Relativity		34%	0.969	26%		1.436		2.41	
Pure Premium Present on Rate Level		35%	1.167	26%		1.669		2.84	
Pure Premium Derived by Formula		1.089			1.810		2.90		

CLASS 9019		BRIDGE OR VEHICULAR TUNNEL OPERATION & DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	447,895	0	0	2	71,458	0	49,290	120,748	26.96
1/08 through 12/08	446,423	0	0	0	0	0	467	467	0.11
1/09 through 12/09	518,230	0	0	0	0	0	0	0	0.00
1/10 through 12/10	501,019	0	0	0	0	0	0	0	0.00
1/11 through 12/11	382,448	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	2,296,015	0	0	2	71,458	0	49,757	121,215	5.28
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		6%	3.112	7%		2.167		5.28	
Pure Premium Indicated by National Relativity		23%	0.786	24%		1.509		2.30	
Pure Premium Present on Rate Level		71%	1.218	69%		1.078		2.30	
Pure Premium Derived by Formula		1.232			1.258		2.49		

CLASS 9033		HOUSING AUTHORITY & CLERICAL, SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	9,846,382	2	2,761	1	33,265	5,075	17,548	58,649	0.60
1/08 through 12/08	12,370,782	1	13,903	0	0	60,605	14,508	89,016	0.72
1/09 through 12/09	13,461,355	2	31,089	0	0	25,998	6,085	63,172	0.47
1/10 through 12/10	13,304,265	1	32,433	1	7,864	20,434	20,547	81,278	0.61
1/11 through 12/11	13,664,775	1	198,281	2	70,057	51,780	24,553	344,671	2.52
5 YR. TOTAL	62,647,559	7	278,467	4	111,186	163,892	83,241	636,786	1.02
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		20%	0.622	26%		0.394		1.02	
Pure Premium Indicated by National Relativity		40%	1.203	37%		1.229		2.43	
Pure Premium Present on Rate Level		40%	0.923	37%		0.839		1.76	
Pure Premium Derived by Formula		0.975			0.868		1.84		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9040		HOSPITAL: ALL OTHER EMPLOYEES							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	96,907,839	10	577,460	44	701,014	286,010	941,855	2,506,339	2.59
1/08 through 12/08	122,494,886	11	1,113,674	35	777,091	884,908	901,786	3,677,459	3.00
1/09 through 12/09	108,551,032	10	607,650	41	825,561	1,069,464	1,098,293	3,600,968	3.32
1/10 through 12/10	128,139,728	16	1,135,832	52	623,544	1,092,646	1,131,801	3,983,823	3.11
1/11 through 12/11	123,135,946	15	773,039	56	990,512	746,336	1,273,676	3,783,563	3.07
5 YR. TOTAL	579,229,431	62	4,207,655	228	3,917,722	4,079,364	5,347,411	17,552,152	3.03
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		55%	1.403	77%	1.627			3.03	
Pure Premium Indicated by National Relativity		22%	1.629	11%	2.062			3.69	
Pure Premium Present on Rate Level		23%	1.273	12%	1.428			2.70	
Pure Premium Derived by Formula		1.423		1.651				3.07	

CLASS 9044		CASINO GAMBLING-HOTEL-ALL EMPLOYEES & CLERICAL, SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		0%	0.000	0%	0.000			0.00	
Pure Premium Indicated by National Relativity		50%	0.699	50%	0.870			1.57	
Pure Premium Present on Rate Level		50%	0.713	50%	0.877			1.59	
Pure Premium Derived by Formula		0.706		0.874				1.58	

CLASS 9052		HOTEL: ALL OTHER EMPLOYEES & SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	447,352,212	43	1,977,404	145	2,225,705	2,616,913	3,255,416	10,075,438	2.25
1/08 through 12/08	441,589,442	36	1,983,871	128	1,613,534	2,736,067	2,773,249	9,106,721	2.06
1/09 through 12/09	451,931,790	40	1,503,242	145	2,148,110	2,611,895	2,774,019	9,037,266	2.00
1/10 through 12/10	485,544,999	42	1,934,904	140	1,905,724	1,975,455	2,780,770	8,596,853	1.77
1/11 through 12/11	496,673,476	43	3,412,696	149	2,602,002	3,586,160	3,498,743	13,099,601	2.64
5 YR. TOTAL	2,323,091,919	204	10,812,117	707	10,495,075	13,526,490	15,082,197	49,915,879	2.15
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		82%	0.917	100%	1.231			2.15	
Pure Premium Indicated by National Relativity		9%	1.067	0%	1.334			2.40	
Pure Premium Present on Rate Level		9%	0.853	0%	1.082			1.94	
Pure Premium Derived by Formula		0.925		1.231				2.16	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9058		HOTEL: RESTAURANT EMPLOYEES							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	115,736,396	5	162,428	26	157,238	120,134	366,246	806,046	0.70
1/08 through 12/08	115,939,122	5	327,203	19	316,211	246,573	469,754	1,359,741	1.17
1/09 through 12/09	110,622,263	7	418,631	22	371,573	594,063	546,415	1,930,682	1.75
1/10 through 12/10	116,308,699	8	577,952	33	254,648	616,809	425,637	1,875,046	1.61
1/11 through 12/11	117,981,665	6	115,842	22	291,312	138,815	426,698	972,667	0.82
5 YR. TOTAL	576,588,145	31	1,602,056	122	1,390,982	1,716,394	2,234,750	6,944,182	1.20
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		42%	0.519	60%	0.685	1.20			
Pure Premium Indicated by National Relativity		29%	0.679	20%	0.885	1.56			
Pure Premium Present on Rate Level		29%	0.633	20%	0.755	1.39			
Pure Premium Derived by Formula		0.598			0.739			1.34	

CLASS 9060		CLUB - COUNTRY, GOLF, FISHING, OR YACHT - ALL EMPLOYEES & CLERICAL, SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	429,764,115	24	1,390,069	102	1,482,334	1,588,465	1,935,538	6,396,406	1.49
1/08 through 12/08	406,854,588	18	763,863	60	762,005	745,806	1,426,995	3,698,669	0.91
1/09 through 12/09	398,347,704	20	1,224,223	79	1,046,843	1,666,238	1,596,195	5,533,499	1.39
1/10 through 12/10	401,180,717	10	325,874	83	1,182,543	286,310	1,869,637	3,664,364	0.91
1/11 through 12/11	403,174,790	17	1,339,021	90	1,551,756	1,231,316	2,494,420	6,616,513	1.64
5 YR. TOTAL	2,039,321,914	89	5,043,050	414	6,025,481	5,518,135	9,322,785	25,909,451	1.27
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		67%	0.543	95%	0.728	1.27			
Pure Premium Indicated by National Relativity		16%	0.700	2%	0.918	1.62			
Pure Premium Present on Rate Level		17%	0.578	3%	0.686	1.26			
Pure Premium Derived by Formula		0.574			0.731			1.31	

CLASS 9061		CLUB NOC & CLERICAL							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	28,978,994	0	0	4	54,543	0	66,066	120,609	0.42
1/08 through 12/08	29,425,051	3	134,142	5	145,467	138,643	151,385	569,637	1.94
1/09 through 12/09	26,410,874	0	0	4	3,847	0	47,005	50,852	0.19
1/10 through 12/10	28,314,258	2	66,923	4	22,905	103,270	41,080	234,178	0.83
1/11 through 12/11	28,766,225	0	0	0	0	0	10,702	10,702	0.04
5 YR. TOTAL	141,895,402	5	201,065	17	226,762	241,913	316,238	985,978	0.70
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		23%	0.302	31%	0.393	0.70			
Pure Premium Indicated by National Relativity		38%	0.584	34%	0.737	1.32			
Pure Premium Present on Rate Level		39%	0.555	35%	0.613	1.17			
Pure Premium Derived by Formula		0.508			0.587			1.10	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9062		CASINO GAMBLING-ALL EMPLOYEES & CLERICAL, SALESPERSONS, DRIVERS							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,063,119	0	0	1	5,625	0	12,369	17,994	1.69
1/08 through 12/08	1,117,171	0	0	0	0	0	877	877	0.08
1/09 through 12/09	1,100,535	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,196,542	0	0	0	0	0	0	0	0.00
1/11 through 12/11	1,275,327	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	5,752,694	0	0	1	5,625	0	13,246	18,871	0.33
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		6%	0.098	9%	0.230	0.33			
Pure Premium Indicated by National Relativity		47%	0.644	45%	0.919	1.56			
Pure Premium Present on Rate Level		47%	0.603	46%	0.728	1.33			
Pure Premium Derived by Formula		0.592			0.769			1.36	

CLASS 9063		YMCA, YWCA, YMHA OR YWHA, INSTITUTION - ALL EMPLOYEES & CLERICAL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	215,981,836	11	449,236	32	372,335	977,410	774,995	2,573,976	1.19
1/08 through 12/08	238,357,436	8	88,915	32	497,447	166,183	1,117,717	1,870,262	0.79
1/09 through 12/09	243,760,628	10	558,806	35	360,476	556,594	730,944	2,206,820	0.91
1/10 through 12/10	259,764,675	8	295,088	43	557,359	502,567	1,167,886	2,522,900	0.97
1/11 through 12/11	264,642,367	6	411,288	35	345,928	621,588	877,510	2,256,314	0.85
5 YR. TOTAL	1,222,506,942	43	1,803,333	177	2,133,545	2,824,342	4,669,052	11,430,272	0.94
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		45%	0.322	75%	0.613	0.94			
Pure Premium Indicated by National Relativity		27%	0.427	12%	0.645	1.07			
Pure Premium Present on Rate Level		28%	0.364	13%	0.632	1.00			
Pure Premium Derived by Formula		0.362			0.619			0.98	

CLASS 9082		RESTAURANT NOC							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,769,191,243	103	3,717,326	541	5,432,142	5,318,366	8,935,932	23,403,766	1.32
1/08 through 12/08	1,801,757,906	101	4,167,304	456	5,741,557	4,653,609	10,341,591	24,904,061	1.38
1/09 through 12/09	1,723,537,084	57	2,982,115	414	5,361,241	3,389,143	8,412,005	20,144,504	1.17
1/10 through 12/10	1,736,339,362	76	4,131,655	412	4,300,496	4,027,228	7,630,067	20,089,446	1.16
1/11 through 12/11	1,827,268,554	87	5,334,843	468	7,616,954	5,410,940	9,343,003	27,705,740	1.52
5 YR. TOTAL	8,858,094,149	424	20,333,243	2,291	28,452,390	22,799,286	44,662,598	116,247,517	1.31
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	0.551	100%	0.762	1.31			
Pure Premium Indicated by National Relativity		0%	0.598	0%	0.844	1.44			
Pure Premium Present on Rate Level		0%	0.508	0%	0.727	1.24			
Pure Premium Derived by Formula		0.551			0.762			1.31	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9083		RESTAURANT: FAST FOOD							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	917,871,105	59	2,226,405	240	3,413,112	2,814,772	5,495,659	13,949,948	1.52
1/08 through 12/08	933,461,835	48	1,671,781	219	2,769,240	2,158,371	4,751,301	11,350,693	1.22
1/09 through 12/09	1,071,374,218	71	2,556,456	253	3,483,169	2,801,429	4,803,488	13,644,542	1.27
1/10 through 12/10	1,137,559,443	77	3,465,696	262	3,490,005	4,327,784	4,878,492	16,161,977	1.42
1/11 through 12/11	1,192,919,592	58	2,758,438	250	3,683,740	3,062,296	4,869,714	14,374,188	1.21
5 YR. TOTAL	5,253,186,193	313	12,678,776	1,224	16,839,266	15,164,652	24,798,654	69,481,348	1.32
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		98%	0.562	100%	0.761			1.32	
Pure Premium Indicated by National Relativity		1%	0.600	0%	0.869			1.47	
Pure Premium Present on Rate Level		1%	0.591	0%	0.759			1.35	
Pure Premium Derived by Formula		0.563			0.761		1.32		

CLASS 9084		BAR, DISCOTHEQUE, LOUNGE, NIGHT CLUB OR TAVERN							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	22,082,863	0	0	0	0	0	56,326	56,326	0.26
1/08 through 12/08	24,473,714	3	32,093	3	39,913	3,995	136,163	212,164	0.87
1/09 through 12/09	26,737,147	0	0	3	20,631	0	74,579	95,210	0.36
1/10 through 12/10	30,583,403	1	854	6	122,838	22,344	99,774	245,810	0.80
1/11 through 12/11	36,486,283	1	3,857	8	168,460	48,271	279,531	500,119	1.37
5 YR. TOTAL	140,363,410	5	36,804	20	351,842	74,610	646,373	1,109,629	0.79
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		22%	0.277	32%	0.514			0.79	
Pure Premium Indicated by National Relativity		39%	0.650	34%	0.973			1.62	
Pure Premium Present on Rate Level		39%	0.522	34%	0.676			1.20	
Pure Premium Derived by Formula		0.518			0.725		1.24		

CLASS 9089		BILLIARD HALL							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,126,847	1	12,829	0	0	17,469	0	30,298	2.69
1/08 through 12/08	739,938	1	95,150	0	0	161,888	0	257,038	34.74
1/09 through 12/09	802,602	0	0	0	0	0	0	0	0.00
1/10 through 12/10	712,081	0	0	1	14	0	629	643	0.09
1/11 through 12/11	755,887	0	0	0	0	0	1,169	1,169	0.16
5 YR. TOTAL	4,137,355	2	107,979	1	14	179,357	1,798	289,148	6.99
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		5%	2.610	7%	4.379			6.99	
Pure Premium Indicated by National Relativity		17%	0.251	18%	1.081			1.33	
Pure Premium Present on Rate Level		78%	0.423	75%	0.583			1.01	
Pure Premium Derived by Formula		0.503			0.938		1.44		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9093		ROLLER-SKATING RINK OPERATION							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	19,291,622	2	13,486	4	59,239	5,709	94,172	172,606	0.90
1/08 through 12/08	18,443,355	0	0	1	4,625	0	26,606	31,231	0.17
1/09 through 12/09	20,188,408	1	18,018	3	15,079	30,143	65,794	129,034	0.64
1/10 through 12/10	20,778,741	0	0	6	63,672	0	130,371	194,043	0.93
1/11 through 12/11	20,108,571	1	33,745	4	66,913	45,696	118,902	265,256	1.32
5 YR. TOTAL	98,810,697	4	65,249	18	209,528	81,548	435,845	792,170	0.80
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	0.278	29%	0.524	0.80			
Pure Premium Indicated by National Relativity		40%	0.576	35%	1.019	1.60			
Pure Premium Present on Rate Level		41%	0.516	36%	0.739	1.26			
Pure Premium Derived by Formula		0.495			0.775			1.27	

CLASS 9101		COLLEGE: ALL OTHER EMPLOYEES							
Industry Group: Goods and Services Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	486,863,028	57	3,306,990	230	3,036,550	4,138,980	4,845,299	15,327,819	3.15
1/08 through 12/08	513,129,634	52	2,475,697	256	3,700,792	3,007,019	4,918,211	14,101,719	2.75
1/09 through 12/09	544,606,094	74	4,605,561	245	4,337,719	4,137,259	4,571,712	17,652,251	3.24
1/10 through 12/10	511,619,268	68	3,884,743	227	3,714,647	4,977,957	5,879,574	18,456,921	3.61
1/11 through 12/11	480,620,554	57	2,950,722	254	3,391,491	3,157,306	5,582,220	15,081,739	3.14
5 YR. TOTAL	2,536,838,578	308	17,223,713	1,212	18,181,199	19,418,521	25,797,016	80,620,449	3.18
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		100%	1.396	100%	1.782	3.18			
Pure Premium Indicated by National Relativity		0%	1.717	0%	2.182	3.90			
Pure Premium Present on Rate Level		0%	1.415	0%	1.640	3.06			
Pure Premium Derived by Formula		1.396			1.782			3.18	

CLASS 9102		PARK NOC-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	217,783,418	13	1,072,143	57	1,273,231	891,059	1,509,493	4,745,926	2.18
1/08 through 12/08	218,737,277	15	739,465	62	1,249,039	2,149,645	1,428,612	5,566,761	2.55
1/09 through 12/09	211,382,383	9	999,297	59	897,093	920,033	1,211,947	4,028,370	1.91
1/10 through 12/10	221,813,003	21	1,590,907	48	711,201	2,808,687	1,158,270	6,269,065	2.83
1/11 through 12/11	242,824,975	17	1,309,674	71	1,810,170	2,005,638	2,320,073	7,445,555	3.07
5 YR. TOTAL	1,112,541,056	75	5,711,486	297	5,940,734	8,775,062	7,628,395	28,055,677	2.52
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		68%	1.047	99%	1.474	2.52			
Pure Premium Indicated by National Relativity		16%	1.528	0%	1.898	3.43			
Pure Premium Present on Rate Level		16%	1.136	1%	1.427	2.56			
Pure Premium Derived by Formula		1.138			1.474			2.61	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9154		THEATER NOC: ALL OTHER EMPLOYEES							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	48,729,525	3	320,624	13	327,884	313,055	428,005	1,389,568	2.85
1/08 through 12/08	57,092,879	2	138,926	18	486,135	104,025	267,623	996,709	1.75
1/09 through 12/09	51,888,339	3	165,645	14	113,233	119,083	324,990	722,951	1.39
1/10 through 12/10	56,803,736	0	0	9	447,312	0	261,484	708,796	1.25
1/11 through 12/11	60,299,941	3	456,076	9	196,889	485,455	387,699	1,526,119	2.53
5 YR. TOTAL	274,814,420	11	1,081,271	63	1,571,453	1,021,618	1,669,801	5,344,143	1.94
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		35%	0.965	48%	0.979	1.94			
Pure Premium Indicated by National Relativity		32%	0.894	26%	1.108	2.00			
Pure Premium Present on Rate Level		33%	0.888	26%	0.965	1.85			
Pure Premium Derived by Formula		0.917			1.009			1.93	

CLASS 9156		THEATER NOC: PLAYERS, ENTERTAINERS OR MUSICIANS							
Industry Group: Office and Clerical Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	17,681,804	2	387,813	7	644,546	123,189	298,582	1,454,130	8.22
1/08 through 12/08	20,405,241	0	0	8	304,548	0	290,544	595,092	2.92
1/09 through 12/09	21,084,201	1	4,643	4	24,908	1,616	118,041	149,208	0.71
1/10 through 12/10	21,364,324	0	0	4	158,742	0	145,289	304,031	1.42
1/11 through 12/11	23,535,308	0	0	8	202,238	0	194,262	396,500	1.68
5 YR. TOTAL	104,070,878	3	392,456	31	1,334,982	124,805	1,046,718	2,898,961	2.79
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		28%	1.660	36%	1.126	2.79			
Pure Premium Indicated by National Relativity		36%	1.015	32%	1.199	2.21			
Pure Premium Present on Rate Level		36%	1.293	32%	1.154	2.45			
Pure Premium Derived by Formula		1.296			1.158			2.45	

CLASS 9170		JANITORIAL SERVICES BY CONTRACTORS - INCLUDES WINDOW CLEANING ABOVE GROUND LEVEL & DRIVERS							
Industry Group: Goods and Services Hazard Group: G		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	1,381,027	0	0	0	0	0	1,497	1,497	0.11
1/09 through 12/09	7,707,170	0	0	5	356,992	0	502,671	859,663	11.15
1/10 through 12/10	12,889,645	6	853,807	8	174,025	904,043	201,301	2,133,176	16.55
1/11 through 12/11	16,971,433	4	422,765	11	224,431	857,231	150,272	1,654,699	9.75
5 YR. TOTAL	38,949,275	10	1,276,572	24	755,448	1,761,274	855,741	4,649,035	11.94
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		21%	5.217	32%	6.719	11.94			
Pure Premium Indicated by National Relativity		39%	3.436	34%	4.445	7.88			
Pure Premium Present on Rate Level		40%	1.588	34%	2.311	3.90			
Pure Premium Derived by Formula		3.071			4.447			7.52	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9178		ATHLETIC SPORTS OR PARK: NONCONTACT SPORTS							
Industry Group: Miscellaneous Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	6,642,518	1	41,605	7	99,283	3,605	217,716	362,209	5.45
1/08 through 12/08	8,208,912	0	0	4	22,190	0	303,536	325,726	3.97
1/09 through 12/09	9,870,326	1	6,260	2	141,491	4,608	320,068	472,427	4.79
1/10 through 12/10	9,120,038	3	271,746	16	214,871	246,649	419,565	1,152,831	12.64
1/11 through 12/11	9,977,131	0	0	11	245,322	0	485,872	731,194	7.33
5 YR. TOTAL	43,818,925	5	319,611	40	723,157	254,862	1,746,757	3,044,387	6.95
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		24%	2.380	41%	4.568			6.95	
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000			0.00	
Pure Premium Present on Rate Level		76%	2.191	59%	3.975			6.17	
Pure Premium Derived by Formula		2.236			4.218		6.45		

CLASS 9179		ATHLETIC SPORTS OR PARK: CONTACT SPORTS							
Industry Group: Miscellaneous Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	8,351,529	5	151,533	12	455,862	42,333	759,573	1,409,301	16.88
1/08 through 12/08	8,418,760	11	330,692	13	366,972	27,315	825,634	1,550,613	18.42
1/09 through 12/09	9,639,112	5	122,811	21	154,314	13,304	395,425	685,854	7.12
1/10 through 12/10	8,976,567	4	3,253	8	180,438	3,968	137,882	325,541	3.63
1/11 through 12/11	11,676,668	5	6,745	19	119,026	8,183	251,712	385,666	3.30
5 YR. TOTAL	47,062,636	30	615,034	73	1,276,612	95,103	2,370,226	4,356,975	9.26
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		37%	4.019	58%	5.238			9.26	
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000			0.00	
Pure Premium Present on Rate Level		63%	5.853	42%	9.059			14.91	
Pure Premium Derived by Formula		5.174			6.843		12.02		

CLASS 9180		AMUSEMENT DEVICE OPERATION NOC-NOT TRAVELING-& DRIVERS							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	20,488,162	1	12,470	8	35,447	137,592	90,949	276,458	1.35
1/08 through 12/08	21,283,985	2	26,750	9	149,925	104,518	239,806	520,999	2.45
1/09 through 12/09	18,070,705	0	0	13	319,983	0	402,379	722,362	4.00
1/10 through 12/10	18,785,332	0	0	9	95,079	0	208,117	303,196	1.61
1/11 through 12/11	20,141,767	0	0	5	54,383	0	277,212	331,595	1.65
5 YR. TOTAL	98,769,951	3	39,220	44	654,817	242,110	1,218,463	2,154,610	2.18
		INDEMNITY				MEDICAL		TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		31%	0.703	47%	1.479			2.18	
Pure Premium Indicated by National Relativity		34%	2.218	26%	3.891			6.11	
Pure Premium Present on Rate Level		35%	1.793	27%	2.457			4.25	
Pure Premium Derived by Formula		1.600			2.370		3.97		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9182		ATHLETIC SPORTS OR PARK: OPERATIONS & DRIVERS							
Industry Group: Miscellaneous Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	23,871,381	0	0	5	70,714	0	70,556	141,270	0.59
1/08 through 12/08	24,523,516	1	2,768	3	11,445	0	158,926	173,139	0.71
1/09 through 12/09	21,532,056	3	117,277	3	14,923	141,688	141,896	415,784	1.93
1/10 through 12/10	21,807,217	1	35,939	3	12,458	295,286	25,383	369,066	1.69
1/11 through 12/11	24,786,705	1	15,054	1	22,107	0	181,369	218,530	0.88
5 YR. TOTAL	116,520,875	6	171,038	15	131,647	436,974	578,130	1,317,789	1.13
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		23%	0.260	37%	0.871			1.13	
Pure Premium Indicated by National Relativity		38%	0.916	31%	1.514			2.43	
Pure Premium Present on Rate Level		39%	0.706	32%	1.198			1.90	
Pure Premium Derived by Formula		0.683			1.175		1.86		

CLASS 9186		CARNIVAL, CIRCUS OR AMUSEMENT DEVICE OPERATOR-TRAVELING-ALL EMPLOYEES & DRIVERS							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	434,739	0	0	1	12,733	0	40,409	53,142	12.22
1/08 through 12/08	791,862	2	5,409	2	21,429	23,416	36,912	87,166	11.01
1/09 through 12/09	1,881,621	0	0	4	31,063	0	128,201	159,264	8.46
1/10 through 12/10	2,063,344	0	0	1	60,592	0	111,968	172,560	8.36
1/11 through 12/11	2,410,155	0	0	1	75,763	0	173,885	249,648	10.36
5 YR. TOTAL	7,581,721	2	5,409	9	201,580	23,416	491,375	721,780	9.52
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		20%	2.730	33%	6.790			9.52	
Pure Premium Indicated by National Relativity		40%	4.960	33%	7.891			12.85	
Pure Premium Present on Rate Level		40%	8.172	34%	13.172			21.34	
Pure Premium Derived by Formula		5.799			9.323		15.12		

CLASS 9220		CEMETERY OPERATIONS & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	11,076,180	1	11,000	5	9,000	74,660	44,003	138,663	1.25
1/08 through 12/08	10,695,997	2	109,087	10	206,477	61,287	152,397	529,248	4.95
1/09 through 12/09	10,292,185	0	0	10	43,903	0	116,280	160,183	1.56
1/10 through 12/10	10,645,498	2	157,494	7	120,475	222,860	158,970	659,799	6.20
1/11 through 12/11	10,868,612	2	96,886	4	29,751	89,491	84,301	300,429	2.76
5 YR. TOTAL	53,578,472	7	374,467	36	409,606	448,298	555,951	1,788,322	3.34
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		27%	1.463	35%	1.874			3.34	
Pure Premium Indicated by National Relativity		36%	2.670	32%	2.923			5.59	
Pure Premium Present on Rate Level		37%	2.188	33%	2.159			4.35	
Pure Premium Derived by Formula		2.166			2.304		4.47		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

<b>CLASS</b> 9402		<b>STREET CLEANING &amp; DRIVERS</b>							
Industry Group: Miscellaneous Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	37,606,534	8	934,975	12	412,947	1,411,574	684,951	3,444,447	9.16
1/08 through 12/08	36,216,523	6	802,700	14	690,757	276,815	540,625	2,310,897	6.38
1/09 through 12/09	38,763,919	10	898,510	15	510,974	691,114	557,372	2,657,970	6.86
1/10 through 12/10	40,845,944	3	178,804	12	366,010	123,294	332,874	1,000,982	2.45
1/11 through 12/11	39,024,611	4	159,049	11	1,005,787	66,013	595,153	1,826,002	4.68
<b>5 YR. TOTAL</b>	<b>192,457,531</b>	<b>31</b>	<b>2,974,038</b>	<b>64</b>	<b>2,986,475</b>	<b>2,568,810</b>	<b>2,710,975</b>	<b>11,240,298</b>	<b>5.84</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		50%	3.097	63%	2.743	5.84			
Pure Premium Indicated by National Relativity		25%	3.093	18%	2.748	5.84			
Pure Premium Present on Rate Level		25%	3.105	19%	2.708	5.81			
Pure Premium Derived by Formula		3.098			2.737			5.84	

<b>CLASS</b> 9403		<b>GARBAGE, ASHES OR REFUSE COLLECTION &amp; DRIVERS</b>							
Industry Group: Miscellaneous Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	123,482,555	19	1,640,091	64	3,257,994	1,664,589	4,164,263	10,726,937	8.69
1/08 through 12/08	131,917,008	18	2,282,433	74	2,536,992	2,335,399	1,764,035	8,918,859	6.76
1/09 through 12/09	132,541,877	27	4,164,734	70	2,114,111	3,272,420	1,642,799	11,194,064	8.45
1/10 through 12/10	131,039,704	21	1,473,716	73	2,730,883	1,986,280	2,323,554	8,514,433	6.50
1/11 through 12/11	128,414,502	22	3,310,848	65	2,212,632	3,751,084	2,169,672	11,444,236	8.91
<b>5 YR. TOTAL</b>	<b>647,395,646</b>	<b>107</b>	<b>12,871,822</b>	<b>346</b>	<b>12,852,612</b>	<b>13,009,772</b>	<b>12,064,323</b>	<b>50,798,529</b>	<b>7.85</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		89%	3.974	100%	3.873	7.85			
Pure Premium Indicated by National Relativity		5%	4.247	0%	4.058	8.31			
Pure Premium Present on Rate Level		6%	3.843	0%	3.815	7.66			
Pure Premium Derived by Formula		3.980			3.873			7.85	

<b>CLASS</b> 9410		<b>MUNICIPAL, TOWNSHIP, COUNTY OR STATE EMPLOYEE NOC</b>							
Industry Group: Goods and Services Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	42,869,213	4	336,980	19	457,465	323,658	645,383	1,763,486	4.11
1/08 through 12/08	59,887,455	11	767,651	21	313,309	672,205	417,838	2,171,003	3.63
1/09 through 12/09	32,527,659	3	415,906	7	55,484	462,733	83,029	1,017,152	3.13
1/10 through 12/10	30,739,458	1	37,139	7	173,037	201,488	189,591	601,255	1.96
1/11 through 12/11	26,162,830	2	97,533	9	76,226	102,164	168,633	444,556	1.70
<b>5 YR. TOTAL</b>	<b>192,186,615</b>	<b>21</b>	<b>1,655,209</b>	<b>63</b>	<b>1,075,521</b>	<b>1,762,248</b>	<b>1,504,474</b>	<b>5,997,452</b>	<b>3.12</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		36%	1.421	50%	1.700	3.12			
Pure Premium Indicated by National Relativity		32%	1.014	25%	1.040	2.05			
Pure Premium Present on Rate Level		32%	1.338	25%	1.458	2.80			
Pure Premium Derived by Formula		1.264			1.475			2.74	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9501		PAINTING: SHOP ONLY & DRIVERS							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	40,342,845	3	154,547	14	210,933	227,678	276,968	870,126	2.16
1/08 through 12/08	37,663,436	5	707,942	5	213,476	720,477	171,866	1,813,761	4.82
1/09 through 12/09	32,076,934	3	233,825	8	340,677	140,280	295,739	1,010,521	3.15
1/10 through 12/10	39,302,944	1	141,420	10	167,027	148,774	200,133	657,354	1.67
1/11 through 12/11	46,678,984	7	351,827	23	869,866	484,207	803,772	2,509,672	5.38
5 YR. TOTAL	196,065,143	19	1,589,561	60	1,801,979	1,721,416	1,748,478	6,861,434	3.50
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		34%	1.730	47%	1.770	3.50			
Pure Premium Indicated by National Relativity		33%	1.358	26%	1.482	2.84			
Pure Premium Present on Rate Level		33%	1.136	27%	1.290	2.43			
Pure Premium Derived by Formula		1.411			1.566			2.98	

CLASS 9505		PAINTING: AUTOMOBILE OR CARRIAGE BODIES							
Industry Group: Manufacturing Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,636,455	0	0	1	2,389	0	6,065	8,454	0.18
1/08 through 12/08	4,289,031	0	0	4	41,580	0	26,910	68,490	1.60
1/09 through 12/09	11,360,726	0	0	7	304,713	0	190,143	494,856	4.36
1/10 through 12/10	10,279,186	0	0	1	8,057	0	9,697	17,754	0.17
1/11 through 12/11	12,198,341	0	0	0	0	0	1,591	1,591	0.01
5 YR. TOTAL	42,763,739	0	0	13	356,739	0	234,406	591,145	1.38
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		19%	0.834	25%	0.548	1.38			
Pure Premium Indicated by National Relativity		40%	1.803	37%	1.630	3.43			
Pure Premium Present on Rate Level		41%	1.252	38%	1.193	2.45			
Pure Premium Derived by Formula		1.393			1.193			2.59	

CLASS 9516		ELECTRONIC EQUIPMENT - INSTALLATION, SERVICE, OR REPAIR - SHOP AND OUTSIDE & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	59,706,498	9	423,469	13	177,670	282,620	401,826	1,285,585	2.15
1/08 through 12/08	67,344,508	9	779,538	18	483,618	606,078	668,845	2,538,079	3.77
1/09 through 12/09	62,097,027	17	1,673,853	30	582,801	1,938,183	745,175	4,940,012	7.96
1/10 through 12/10	60,785,677	12	1,273,840	25	1,321,099	2,188,901	972,416	5,756,256	9.47
1/11 through 12/11	61,110,836	7	467,934	33	532,747	465,817	637,694	2,104,192	3.44
5 YR. TOTAL	311,044,546	54	4,618,634	119	3,097,935	5,481,599	3,425,956	16,624,124	5.35
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		53%	2.481	72%	2.864	5.35			
Pure Premium Indicated by National Relativity		23%	2.515	14%	2.300	4.82			
Pure Premium Present on Rate Level		24%	2.136	14%	2.269	4.41			
Pure Premium Derived by Formula		2.406			2.702			5.11	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9519		HOUSEHOLD AND COMMERCIAL APPLIANCES-ELECTRICAL-INSTALLATION, SERVICE OR REPAIR & DRIVERS							
Industry Group: Goods and Services Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	54,849,279	5	412,614	16	518,481	486,713	771,703	2,189,511	3.99
1/08 through 12/08	44,169,047	1	173,054	10	169,863	120,189	161,626	624,732	1.41
1/09 through 12/09	30,903,977	2	119,017	18	801,300	169,797	603,534	1,693,648	5.48
1/10 through 12/10	48,390,491	6	660,429	16	828,274	652,877	1,000,321	3,141,901	6.49
1/11 through 12/11	52,553,270	3	145,876	12	367,624	227,649	332,560	1,073,709	2.04
5 YR. TOTAL	230,866,064	17	1,510,990	72	2,685,542	1,657,225	2,869,744	8,723,501	3.78
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		46%	1.818	59%	1.961	3.78			
Pure Premium Indicated by National Relativity		27%	2.155	20%	2.032	4.19			
Pure Premium Present on Rate Level		27%	1.972	21%	1.858	3.83			
Pure Premium Derived by Formula		1.951			1.954			3.91	

CLASS 9521		HOUSE FURNISHINGS INSTALLATION NOC & UPHOLSTERING							
Industry Group: Manufacturing Hazard Group: E		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	29,102,011	1	154,978	6	343,503	30,570	315,365	844,416	2.90
1/08 through 12/08	25,103,725	4	338,136	7	186,875	361,678	361,674	1,248,363	4.97
1/09 through 12/09	22,168,620	0	0	8	127,822	0	128,730	256,552	1.16
1/10 through 12/10	21,640,075	5	615,626	7	115,739	1,389,961	71,747	2,193,073	10.14
1/11 through 12/11	25,079,795	5	470,198	13	290,166	291,620	402,606	1,454,590	5.80
5 YR. TOTAL	123,094,226	15	1,578,938	41	1,064,105	2,073,829	1,280,122	5,996,994	4.87
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		34%	2.147	44%	2.725	4.87			
Pure Premium Indicated by National Relativity		33%	2.046	28%	1.764	3.81			
Pure Premium Present on Rate Level		33%	1.789	28%	1.657	3.45			
Pure Premium Derived by Formula		1.996			2.157			4.15	

CLASS 9522		UPHOLSTERING							
Industry Group: Manufacturing Hazard Group: C		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	367,082,475	8	696,817	98	2,140,748	802,751	2,075,814	5,716,130	1.56
1/08 through 12/08	317,176,329	12	784,524	73	1,046,482	373,561	1,551,868	3,756,435	1.18
1/09 through 12/09	303,069,355	12	1,041,457	76	1,607,087	794,214	1,344,475	4,787,233	1.58
1/10 through 12/10	319,108,024	14	1,732,890	63	1,220,210	1,961,887	1,361,813	6,276,800	1.97
1/11 through 12/11	354,977,593	19	1,320,562	66	1,369,654	1,333,819	2,016,248	6,040,283	1.70
5 YR. TOTAL	1,661,413,776	65	5,576,250	376	7,384,181	5,266,232	8,350,218	26,576,881	1.60
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		71%	0.780	91%	0.820	1.60			
Pure Premium Indicated by National Relativity		14%	0.979	4%	0.989	1.97			
Pure Premium Present on Rate Level		15%	0.864	5%	0.766	1.63			
Pure Premium Derived by Formula		0.820			0.824			1.64	

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9534		MOBILE CRANE AND HOISTING SERVICE CONTRACTORS-NOC-ALL OPERATIONS-INCLUDING YARD EMPLOYEES AND DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	19,333,250	4	725,305	6	113,165	654,451	192,642	1,685,563	8.72
1/08 through 12/08	20,503,384	2	501,905	3	551,628	634,924	178,992	1,867,449	9.11
1/09 through 12/09	15,134,033	3	1,505,788	10	247,073	835,377	165,031	2,753,269	18.19
1/10 through 12/10	17,734,401	2	147,039	4	600,992	100,398	263,507	1,111,936	6.27
1/11 through 12/11	15,435,962	0	0	7	325,269	0	285,633	610,902	3.96
5 YR. TOTAL	88,141,030	11	2,880,037	30	1,838,127	2,225,150	1,085,805	8,029,119	9.11
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		43%	5.353	54%	3.756			9.11	
Pure Premium Indicated by National Relativity		28%	2.458	23%	2.149			4.61	
Pure Premium Present on Rate Level		29%	4.587	23%	3.878			8.47	
Pure Premium Derived by Formula		4.320			3.414		7.73		

CLASS 9554		SIGN INSTALLATION, MAINTENANCE, REPAIR OR REMOVAL & DRIVERS							
Industry Group: Contracting Hazard Group: F		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	14,647,392	6	746,218	9	134,135	378,794	215,965	1,475,112	10.07
1/08 through 12/08	11,611,815	4	446,364	9	260,750	1,234,305	153,660	2,095,079	18.04
1/09 through 12/09	10,752,247	5	468,986	6	134,848	253,006	178,012	1,034,852	9.63
1/10 through 12/10	10,988,063	2	772,560	12	472,002	664,727	572,286	2,481,575	22.58
1/11 through 12/11	12,305,276	1	345,765	15	519,703	355,490	664,742	1,885,700	15.32
5 YR. TOTAL	60,304,793	18	2,779,893	51	1,521,438	2,886,322	1,784,665	8,972,318	14.88
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		41%	7.133	55%	7.746			14.88	
Pure Premium Indicated by National Relativity		29%	5.556	22%	5.548			11.10	
Pure Premium Present on Rate Level		30%	5.741	23%	6.054			11.80	
Pure Premium Derived by Formula		6.258			6.873		13.13		

CLASS 9586		BARBERSHOP, BEAUTY PARLOR OR HAIR STYLING SALON							
Industry Group: Goods and Services Hazard Group: A		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	PURE PREM.
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	
1/07 through 12/07	145,377,677	5	57,027	16	267,602	63,611	232,103	620,343	0.43
1/08 through 12/08	149,936,133	1	39,582	14	216,696	188,586	158,259	603,123	0.40
1/09 through 12/09	156,995,785	2	84,859	18	762,772	47,762	364,436	1,259,829	0.80
1/10 through 12/10	152,647,702	4	175,763	14	96,706	125,624	154,385	552,478	0.36
1/11 through 12/11	165,922,750	3	68,782	13	274,016	94,924	243,128	680,850	0.41
5 YR. TOTAL	770,880,047	15	426,013	75	1,617,792	520,507	1,152,311	3,716,623	0.48
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		35%	0.265	45%	0.217			0.48	
Pure Premium Indicated by National Relativity		32%	0.354	27%	0.392			0.75	
Pure Premium Present on Rate Level		33%	0.295	28%	0.280			0.58	
Pure Premium Derived by Formula		0.303			0.282		0.59		

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation



**NORTH CAROLINA**  
APPENDIX B-II

EFFECTIVE 4/1/2015

CLASS 9600		TAXIDERMIST							
Industry Group: Manufacturing Hazard Group: B		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	44,801	0	0	0	0	0	0	0	0.00
1/08 through 12/08	38,582	0	0	0	0	0	0	0	0.00
1/09 through 12/09	199,021	0	0	0	0	0	0	0	0.00
1/10 through 12/10	79,681	0	0	0	0	0	0	0	0.00
1/11 through 12/11	42,864	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	404,949	0	0	0	0	0	0	0	0.00
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	3%	0.000	0.00			
Pure Premium Indicated by National Relativity		21%	1.058	22%	1.346	2.40			
Pure Premium Present on Rate Level		76%	0.992	75%	0.903	1.90			
Pure Premium Derived by Formula		0.976		0.973		1.95			

CLASS 9620		FUNERAL DIRECTOR & DRIVERS							
Industry Group: Goods and Services Hazard Group: D		CONVERTED LOSSES						TOTAL	TOTAL
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	72,801,215	1	215,480	10	229,087	134,100	246,104	824,771	1.13
1/08 through 12/08	73,664,170	3	55,054	7	37,411	257,823	190,320	540,608	0.73
1/09 through 12/09	77,283,835	3	200,232	7	101,557	766,030	113,740	1,181,559	1.53
1/10 through 12/10	80,599,867	3	184,089	8	445,409	134,075	238,049	1,001,622	1.24
1/11 through 12/11	81,613,206	1	78,268	6	235,572	98,145	213,509	625,494	0.77
5 YR. TOTAL	385,962,293	11	733,123	38	1,049,036	1,390,173	1,001,722	4,174,054	1.08
		INDEMNITY		MEDICAL		TOTAL			
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		29%	0.462	45%	0.620	1.08			
Pure Premium Indicated by National Relativity		35%	0.544	27%	0.652	1.20			
Pure Premium Present on Rate Level		36%	0.371	28%	0.558	0.93			
Pure Premium Derived by Formula		0.458		0.611		1.07			

\* Pure Premium per \$100 of Payroll  
\*\* Pure Premium per employee  
++ Non-Standard Calculation

# NORTH CAROLINA

## APPENDIX B-III

### Adjustments to Obtain Loss Costs

The following items are combined with the derived by formula pure premium to obtain the proposed loss cost:

#### 1. Test Correction Factor

The payrolls are now extended by the loss costs presently in effect and by the indicated loss costs to determine if the required change in manual premium level as calculated in Exhibit I has been achieved. Since at first this calculation may not yield the required results, an iterative process is initiated which continuously tests the proposed loss costs including tentative test correction factors until the required change in manual premium level is obtained. The test correction factor is applied to the derived by formula pure premiums.

The factors referred to above are set out as follows:

	Test Correction Factor
Manufacturing	0.9920
Contracting	0.9993
Office & Clerical	0.9851
Goods & Services	0.9899
Miscellaneous	0.9899

#### 2. Ratios of Manual to Standard Premiums

The ratios of manual to standard premiums by industry group have also been excluded from the classification experience, and it is necessary to apply these factors to the derived by formula pure premiums.

	Ratio of Manual to Standard Premiums
Manufacturing	1.091
Contracting	1.088
Office & Clerical	1.116
Goods & Services	1.018
Miscellaneous	1.057

#### 3. Disease Loadings

The proposed manual loss costs shown in this filing include specific disease loadings for those classifications where they apply. The proposed specific disease loadings are shown on the footnotes page.

## NORTH CAROLINA

### APPENDIX B-III

#### 4. Swing Limits

As a further step, a test is made to make certain that the proposed loss costs fall within the following departures from the present loss costs:

Manufacturing	from 23% above to 27% below
Contracting	from 22% above to 28% below
Office & Clerical	from 20% above to 30% below
Goods & Services	from 21% above to 29% below
Miscellaneous	from 23% above to 27% below

These limits have been calculated in accordance with the following formula:

Max. Deviation = Effect of the final change in loss cost level by industry group plus or minus 25% rounded to the nearest 1%.

The product of the swing limits and the present loss cost sets bounds for the proposed loss cost. If the calculated loss cost falls outside of the bounds, the closest bound is chosen as the proposed loss cost. When a code is limited, the underlying pure premiums are adjusted to reflect the limited loss cost. The classifications which have been so limited are shown below. Note that classifications that are subject to special handling may fall outside of the swing limits.

An illustrative example showing the calculation of a proposed manual class loss cost is attached as Appendix B-IV. This example demonstrates the manner in which the partial pure premiums are combined to produce a total pure premium, and shows the steps in the calculation at which the rounding takes place. The loss costs for other classifications are calculated in the same manner.

#### List of Classifications Limited by the Upper Swing

#### List of Classifications Limited by the Lower Swing

1654 2791 2799 3303 4670 4683 5705 6811  
7529 8279 8602 9089 9170

4114 4283 4777 5040 6251 7431 7453 8603  
9186

## NORTH CAROLINA

### APPENDIX B-IV

#### Derivation of Proposed Loss Cost - Code 8810

As previously explained in Appendix B-I, the indicated pure premiums are developed by adjusting the limited losses by a set of conversion factors. The converted losses are then summarized into indemnity and medical and then divided by payroll (in hundreds). The derivation of the indicated pure premium for the above-captioned classification follows:

#### LIMITED LOSSES (Workers Compensation Statistical Plan)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/07 - 12/31/07	245,539	305,100	274,492	5,574,481	8,973,985	2,111,628	1,838,386	5,821,086	11,029,550
01/01/08 - 12/31/08	0	480,013	0	6,964,248	9,838,055	2,058,263	2,868,453	5,431,017	12,712,616
01/01/09 - 12/31/09	0	333,600	0	4,422,594	8,281,998	1,657,946	2,369,944	4,184,596	11,680,724
01/01/10 - 12/31/10	0	738,734	0	5,086,337	6,070,067	1,164,407	2,110,724	6,367,180	10,240,880
01/01/11 - 12/31/11	0	425,757	0	1,169,216	3,445,868	1,446,993	2,870,991	3,679,221	10,462,151

#### PRIMARY PARTIAL CONVERSION FACTORS (Appendix B-I, Section A-1)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/07 - 12/31/07	1.294	1.204	1.057	1.022	0.951	1.057	0.984	1.182	1.002
01/01/08 - 12/31/08	1.354	1.237	1.104	1.072	0.980	1.104	1.009	1.209	1.008
01/01/09 - 12/31/09	1.482	1.312	1.209	1.176	1.041	1.209	1.070	1.252	1.022
01/01/10 - 12/31/10	1.767	1.463	1.473	1.438	1.190	1.473	1.219	1.351	1.043
01/01/11 - 12/31/11	2.503	1.687	2.426	2.409	1.624	2.426	1.636	1.590	1.091

#### EXPECTED EXCESS PROVISION AND REDISTRIBUTION (Appendix B-I, Section A-2)

After the application of the primary conversion factors, the limited losses are brought to an expected unlimited level through the application of a hazard group-specific excess loss factor. The factor is shown below:

HAZARD GROUP: C	
Excess Factor	1.269

As the excess loss factor is on a combined (indemnity and medical) basis, the following portion of the indemnity expected excess losses are redistributed to medical in order to more accurately allocate expected excess losses:

Redistribution %	40%
------------------	-----

**NORTH CAROLINA**

**APPENDIX B-IV**

**Derivation of Proposed Loss Cost - Code 8810**

**EXPECTED UNLIMITED LOSSES (Limited Losses x Primary Conversion Factors, then adjusted for the Excess Provision and Redistribution)**

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/07 - 12/31/07	369,015	426,637	336,972	6,616,757	9,911,871	2,592,282	2,100,979	9,650,329	15,177,495
01/01/08 - 12/31/08	0	689,624	0	8,670,793	11,197,605	2,639,123	3,361,466	9,380,561	17,674,728
01/01/09 - 12/31/09	0	508,334	0	6,040,519	10,013,264	2,328,019	2,945,179	7,424,028	16,397,161
01/01/10 - 12/31/10	0	1,255,227	0	8,494,813	8,389,388	1,992,037	2,988,306	11,888,004	14,725,404
01/01/11 - 12/31/11	0	834,193	0	3,271,307	6,499,418	4,077,059	5,455,127	8,104,688	15,670,004

**SECONDARY CONVERSION FACTORS (Appendix B-I, Section A-3)**

Policy Period	INDUSTRY GROUP: Office and Clerical
01/01/07 - 12/31/07	0.990
01/01/08 - 12/31/08	0.989
01/01/09 - 12/31/09	0.971
01/01/10 - 12/31/10	0.972
01/01/11 - 12/31/11	0.979

**PAYROLL, FINAL CONVERTED LOSSES (Expected Unlimited Losses x Secondary Conversion Factors)**

Policy Period	Payroll	Indemnity Likely	Indemnity Not-Likely	Medical Likely	Medical Not-Likely	Total Indemnity	Total Medical	Total
01/01/07 - 12/31/07	33,629,489,124	9,815,876	12,315,092	9,553,826	15,025,720	22,130,968	24,579,546	46,710,514
01/01/08 - 12/31/08	33,422,253,454	11,185,507	15,080,959	9,277,375	17,480,306	26,266,466	26,757,681	53,024,147
01/01/09 - 12/31/09	33,383,856,419	8,125,850	13,076,240	7,208,731	15,921,643	21,202,090	23,130,374	44,332,464
01/01/10 - 12/31/10	34,937,422,883	10,193,218	12,279,199	11,555,140	14,313,093	22,472,417	25,868,233	48,340,650
01/01/11 - 12/31/11	36,469,904,892	7,194,050	12,520,175	7,934,490	15,340,934	19,714,225	23,275,424	42,989,649
<b>Total</b>	<b>171,842,926,772</b>	<b>46,514,501</b>	<b>65,271,665</b>	<b>45,529,562</b>	<b>78,081,696</b>	<b>111,786,166</b>	<b>123,611,258</b>	<b>235,397,424</b>
		<b>INDICATED PURE PREMIUM</b>				<b>0.065</b>	<b>0.072</b>	<b>0.14</b>

The present on rate level pure premiums are developed by adjusting the pure premiums underlying the current loss cost by the conversion factors calculated in Appendix B-I. The derivation of the present on rate level pure premiums for the above-captioned classification follows:

	Indemnity	Medical	Total
Pure Premiums Underlying Current Loss Cost	0.073	0.077	0.15
Conversion Factors (App. B-I, Section B)	0.949	0.955	xxx
<b>PURE PREMIUMS PRESENT ON RATE LEVEL (Underlying Pure Premiums) x (Conversion Factor)</b>	<b>0.069</b>	<b>0.074</b>	<b>0.14</b>

## NORTH CAROLINA

### APPENDIX B-IV

#### Derivation of Proposed Loss Cost - Code 8810 Industry Group - Office and Clerical, Hazard Group - C

The loss cost for the above-captioned classification is derived as follows:

	<u>Indemnity</u>	<u>Medical</u>	<u>Total</u>
1. Indicated Pure Premium	0.065	0.072	0.14
2. Pure Premium Indicated by National Relativity	0.072	0.090	0.16
3. Pure Premium Present on Rate Level	0.069	0.074	0.14
4. State Credibilities	100%	100%	xxx
5. National Credibilities	0%	0%	xxx
6. Residual Credibilities = 100% - (4) - (5)	0%	0%	xxx
7. Derived by Formula Pure Premiums = (1) x (4) + (2) x (5) + (3) x (6)	0.065	0.072	0.14
8. Test Correction Factor	0.9851	0.9851	xxx
9. Underlying Pure Premiums = (7) x (8) *	0.069	0.071	0.14
10. Ratio of Manual to Standard Premium			1.116
11. Loss Cost = (9) x (10)			0.16
12. Loss Cost Within Swing Limits			0.16
Current Loss Cost x Swing Limits			
a) Lower bound = 0.17 x 0.700 = 0.12			
b) Upper bound = 0.17 x 1.200 = 0.20			
13. Pure Premiums Underlying Proposed Loss Cost* = ((13TOT) / (9TOT)) x (9) , (13TOT) = (12) / (10)	0.069	0.071	0.14
14. Disease, Catastrophe and/or Miscellaneous Loadings			0.00
15. Final Loaded Loss Cost			0.16

\* Indemnity pure premium is adjusted for the rounded total pure premium:  
Indemnity Pure Premium = Total Pure Premium - Medical Pure Premium



# NORTH CAROLINA

## APPENDIX B-V

### I. Determination and Distribution of Premium Level Change to “F” Classifications

The Workers Compensation Statistical Plan (WCSP) data is used to determine the overall “F” classifications (F-class) premium level change as well as the individual change by the various classifications. There are three sets of pure premiums for each classification: indicated, present on rate level, and national pure premiums. All sets of pure premiums are adjusted to the common proposed level that is explained further in this exhibit. These three sets of pure premiums are credibility weighted and the results, the derived by formula pure premiums, are adjusted for additional proposed components (Section II) to determine the indicated loss costs. The payrolls are extended by the loss costs presently in effect and by the indicated loss costs. The loss costs are limited to the swing limits based on 15% above and 15% below the current loss costs. This results in the indicated loss cost level change of -2.4%.

#### Section A – Calculation of F-Class Indicated Pure Premiums

The payroll and loss data reported are from the WCSP data by class code for the latest available five policy periods.

##### Section A-1 – Calculation of Primary Conversion Factors

##### 1. Factors to Adjust to the Proposed Benefit Levels

The state losses are adjusted to the August 7, 2014 state law level. The federal losses are adjusted to the October 1, 2013 federal law level.

##### STATE ACT

Policy Period	Fatal	Permanent Total (P.T.)	Permanent Partial (P.P.)	Temporary Total (T.T.)	Medical
1/07 - 12/07	1.261	1.030	0.996	1.030	0.966
1/08 - 12/08	1.254	1.023	0.993	1.023	0.966
1/09 - 12/09	1.244	1.015	0.987	1.015	0.966
1/10 - 12/10	1.212	1.010	0.986	1.010	0.967
1/11 - 12/11	1.044	1.012	1.005	1.012	0.972

##### FEDERAL ACT

Policy Period	Fatal	Permanent Total (P.T.)	Permanent Partial (P.P.)	Temporary Total (T.T.)	Medical
1/07 - 12/07	1.040	1.027	1.007	1.027	1.000
1/08 - 12/08	1.030	1.021	1.006	1.021	1.000
1/09 - 12/09	1.020	1.016	1.005	1.016	1.000
1/10 - 12/10	1.016	1.013	1.005	1.013	1.000
1/11 - 12/11	1.011	1.009	1.004	1.009	1.000

##### 2. Factors to Adjust to the Proposed Trend Level

The following factors are applied to trend the losses in each policy year to the proposed rating year. The selected annual trends utilized were 0.990 and 1.000 for indemnity and medical, respectively.

Policy Period	Indemnity	Medical
1/07 - 12/07	0.920	1.000
1/08 - 12/08	0.929	1.000
1/09 - 12/09	0.938	1.000
1/10 - 12/10	0.948	1.000
1/11 - 12/11	0.957	1.000



## NORTH CAROLINA

### APPENDIX B-V

#### Section A-1 Calculation of Primary Conversion Factors (continued)

#### 3. Limited Loss Development Factors

The following factors are applied to develop the losses from first through fifth report to an ultimate basis utilizing countrywide data.

Policy Period	Indemnity		Medical	
	Likely-to-Develop	Not-Likely-to-Develop	Likely-to-Develop	Not-Likely-to-Develop
1/07 - 12/07	1.131	1.039	1.272	1.029
1/08 - 12/08	1.190	1.053	1.319	1.032
1/09 - 12/09	1.317	1.135	1.369	1.046
1/10 - 12/10	1.569	1.252	1.424	1.063
1/11 - 12/11	2.929	1.787	1.702	1.145

#### 4. Primary Conversion Factors = (1) x (2) x (3)

The factors above contained within Section A-1, are combined multiplicatively, resulting in the following factors for the Likely-to-Develop (L) and Not-Likely-to-Develop (NL) groupings.

##### STATE ACT

Policy Period	Fatal (L)	Fatal (NL)	P.T.*	P.P. (L)	P.P. (NL)	T.T. (L)	T.T. (NL)	Medical (L)	Medical (NL)
1/07 - 12/07	1.312	1.205	1.072	1.036	0.952	1.072	0.985	1.229	0.994
1/08 - 12/08	1.386	1.227	1.131	1.098	0.971	1.131	1.001	1.274	0.997
1/09 - 12/09	1.537	1.324	1.254	1.219	1.051	1.254	1.081	1.322	1.010
1/10 - 12/10	1.803	1.439	1.502	1.467	1.170	1.502	1.199	1.377	1.028
1/11 - 12/11	2.926	1.785	2.837	2.817	1.719	2.837	1.731	1.654	1.113

##### FEDERAL ACT

Policy Period	Fatal (L)	Fatal (NL)	P.T.*	P.P. (L)	P.P. (NL)	T.T. (L)	T.T. (NL)	Medical (L)	Medical (NL)
1/07 - 12/07	1.082	0.994	1.069	1.048	0.963	1.069	0.982	1.272	1.029
1/08 - 12/08	1.139	1.008	1.129	1.112	0.984	1.129	0.999	1.319	1.032
1/09 - 12/09	1.260	1.086	1.255	1.242	1.070	1.255	1.082	1.369	1.046
1/10 - 12/10	1.511	1.206	1.507	1.495	1.193	1.507	1.202	1.424	1.063
1/11 - 12/11	2.834	1.729	2.828	2.814	1.717	2.828	1.726	1.702	1.145

\* Permanent Total losses are always assigned to the Likely-to-Develop grouping.

## NORTH CAROLINA

### APPENDIX B-V

#### Section A-2 – Expected Excess Provision and Redistribution

To reduce distortions in individual class loss cost indications, individual claim amounts are subject to a maximum limit of \$500,000. Multiple claim accidents are limited to three times the individual claim loss limitation. After the application of the primary conversion factors, the limited losses are brought to an expected unlimited level through the application of excess loss factors by hazard group. These factors are shown below.

Hazard Group	A	B	C	D	E	F	G
(1) Excess Ratios	0.140	0.186	0.212	0.242	0.287	0.318	0.380
(2) Excess Factors 1/(1-(1))	1.163	1.229	1.269	1.319	1.403	1.466	1.613

As the excess loss factors are on a combined (indemnity and medical) basis, a portion (40%) of the indemnity expected excess losses are redistributed to medical in order to more accurately allocate expected excess losses. Since a portion of the expected excess losses are redistributed in an additive manner, the expected excess factors shown above cannot be combined multiplicatively with either the primary or secondary loss conversion factors.

#### Section A-3 – Calculation of Secondary Conversion Factors

The following factors are applied to include the proposed loss-based expenses. The state losses are adjusted to reflect the proposed loss-based expenses. The federal losses are adjusted to reflect the proposed USL&HW Special Fund Assessment and loss adjustment expense. The combined\*\* factors are based on a combined indemnity and medical loss-weighted average of the above loss-based expenses by policy period.

Policy Period	State Act	Federal Act
1/07 - 12/07	1.170	1.220
1/08 - 12/08	1.170	1.256
1/09 - 12/09	1.170	1.254
1/10 - 12/10	1.170	1.217
1/11 - 12/11	1.170	1.250

\*\* See Section B.3 for the indemnity and medical breakdown of the proposed loss-based expenses.

## NORTH CAROLINA

### APPENDIX B-V

#### Section B – Present on Rate Level

##### 1. Benefits

The current underlying pure premiums are at the current April 1, 2013 state and October 1, 2012 federal law levels. These pure premiums are adjusted to reflect the weighted effect of state and federal laws which bring losses to the August 7, 2014 state and October 1, 2013 federal law levels. The distribution of state and federal losses in regard to total losses was used to determine the weighted effects.

State Weight (St%)	0.134
Federal Weight (Fed%)	0.866

	Indemnity	Medical	Total
(a) State Laws	1.004	0.992	0.998
(b) Federal Laws	1.002	1.000	1.001
(c) Weighted Laws = [(a)xSt%] + [(b)xFed%]	1.002	0.999	1.001

##### 2. Trend

Since the trend in the current underlying pure premiums is adequate for the current rating year, additional trend is applied to bring the underlyings to the proposed rating year.

Indemnity	Medical
0.990	1.000

## NORTH CAROLINA

### APPENDIX B-V

#### Section B – Present on Rate Level (continued)

##### 3. Loss-Based Expenses

The current underlying pure premiums are adjusted to reflect the change in the weighted effect of the loss-based expense provisions.

Proposed:

STATE ACT			
	Indemnity	Medical	Total
(a) Loss Adjustment Expense	1.170	1.170	1.170
(b) Loss-Based Assessment	1.000	1.000	1.000
(c) Total = (a) + (b) - 1	1.170	1.170	1.170

FEDERAL ACT			
	Indemnity	Medical	Total
(d) Loss Adjustment Expense	1.170	1.170	1.170
(e) Loss-Based Assessment	1.123	1.000	1.070
(f) Total = (d) + (e) - 1	1.293	1.170	1.240

	Indemnity	Medical	Total
(g) Weighted Proposed Expenses = [(c) x St%] + [(f) x Fed%]	1.277	1.170	1.231

Current:

STATE			
	Indemnity	Medical	Total
(h) Loss Adjustment Expense	1.165	1.165	1.165
(i) Loss-Based Assessment	1.000	1.000	1.000
(j) Total = (h) + (i) - 1	1.165	1.165	1.165

FEDERAL			
	Indemnity	Medical	Total
(k) Loss Adjustment Expense	1.165	1.165	1.165
(l) Loss-Based Assessment	1.151	1.000	1.081
(m) Total = (k) + (l) - 1	1.316	1.165	1.246

	Indemnity	Medical	Total
(n) Weighted Current Expenses = [(j) x St%] + [(m) x Fed%]	1.296	1.165	1.235

Change:

	Indemnity	Medical	Total
Weighted Expense Change in Loss-Based Expenses = [(g) / (n)]	0.985	1.004	0.997

##### 4. Conversion Factors = (1) x (2) x (3)

The factors have been applied multiplicatively resulting in the following factors.

Indemnity	Medical
0.977	1.003

## NORTH CAROLINA

### APPENDIX B-V

#### Section C – National Pure Premiums

The latest three years of state and federal losses for states in which NCCI compiles workers compensation data are separately adjusted to the same level as the indicated and present on rate level pure premiums.

#### Class Code 9077

For Code 9077, the indicated, national and present on rate level pure premiums were calculated as described previously in Sections A, B and C but using the non-appropriated benefit changes and the federal loss-based expenses.

#### Section D – Derived by Formula Pure Premiums

The derived by formula pure premiums are calculated by a process similar to that of the industrial codes, which is described in Appendix B-I, Section D. To achieve full state credibility, a classification must have expected losses of at least: \$53,717,450 for indemnity and \$24,574,400 for medical.

## II. Calculation of Proposed Loss Costs

The following items are combined with the derived by formula pure premiums to obtain the proposed loss cost:

**A. Test Correction Factor** **1.0000**

**B. Ratio of Manual Premium to Earned Premium** **1.083**  
(determined on a countrywide basis)

#### C. Swing Limits

The classifications which were adjusted by swing limits are as follows:

List of Classifications Limited by the Upper Swing:  
7317

List of Classifications Limited by the Lower Swing:  
6872

# NORTH CAROLINA

F-CLASS

APPENDIX B-V

EFFECTIVE 4/1/2015

CLASS 6801		BOAT BUILDING-WOOD-NOC & DRIVERS-COVERAGE UNDER U.S. ACT							
Industry Group: F-Class Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	51,364	0	0	0	0	0	0	0	0.00
1/10 through 12/10	67,826	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>119,190</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		2%	0.000	2%			0.000	0.00	
Pure Premium Indicated by National Relativity		9%	0.256	10%			1.364	1.62	
Pure Premium Present on Rate Level		89%	1.343	88%			1.399	2.74	
Pure Premium Derived by Formula		1.218			1.368			2.59	

CLASS 6824		BOAT BUILDING-OR REPAIR & DRIVERS-COVERAGE UNDER U.S. ACT							
Industry Group: F-Class Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	4,968,264	1	48,114	1	38,781	75,220	54,202	216,317	4.35
1/08 through 12/08	2,886,725	0	0	0	0	0	766	766	0.03
1/09 through 12/09	1,197,963	1	122,389	1	321,750	37,620	164,613	646,372	53.96
1/10 through 12/10	1,633,343	0	0	2	9,131	0	14,585	23,716	1.45
1/11 through 12/11	1,228,221	0	0	1	31,203	0	101,095	132,298	10.77
<b>5 YR. TOTAL</b>	<b>11,914,516</b>	<b>2</b>	<b>170,503</b>	<b>5</b>	<b>400,865</b>	<b>112,840</b>	<b>335,261</b>	<b>1,019,469</b>	<b>8.56</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		15%	4.796	20%			3.761	8.56	
Pure Premium Indicated by National Relativity		42%	2.498	40%			3.500	6.00	
Pure Premium Present on Rate Level		43%	3.715	40%			3.860	7.58	
Pure Premium Derived by Formula		3.366			3.696			7.06	

CLASS 6826		MARINA & DRIVERS: COVERAGE UNDER U.S. ACT							
Industry Group: F-Class Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	1,163,356	0	0	0	0	0	0	0	0.00
1/08 through 12/08	1,249,304	0	0	1	20,170	0	23,704	43,874	3.51
1/09 through 12/09	1,321,817	0	0	1	1,536	0	3,390	4,926	0.37
1/10 through 12/10	1,175,517	0	0	0	0	0	0	0	0.00
1/11 through 12/11	1,054,217	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>5,964,211</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>21,706</b>	<b>0</b>	<b>27,094</b>	<b>48,800</b>	<b>0.82</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*			PURE PREM.*	
Indicated Pure Premium		8%	0.364	12%			0.454	0.82	
Pure Premium Indicated by National Relativity		19%	5.199	20%			2.330	7.53	
Pure Premium Present on Rate Level		73%	1.669	68%			1.948	3.62	
Pure Premium Derived by Formula		2.235			1.845			4.08	

\* Pure Premium per \$100 of Payroll  
 \*\* Pure Premium per employee  
 ++ Non-Standard Calculation

# NORTH CAROLINA

F-CLASS

APPENDIX B-V

EFFECTIVE 4/1/2015

CLASS 6843		SHIP BUILDING-IRON OR STEEL-NOC-& DRIVERS-COVERAGE UNDER U.S. ACT							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	403	0	0	0	0	0	0	0	0.00
1/10 through 12/10	635	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,038	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	1%	0.000	0.00			
Pure Premium Indicated by National Relativity		50%	4.215	49%	4.760	8.98			
Pure Premium Present on Rate Level		50%	5.250	50%	5.653	10.90			
Pure Premium Derived by Formula		4.733			5.159			9.89	

CLASS 6845		SHIP BUILDING-NAVAL & DRIVERS							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		22%	3.896	23%	3.877	7.77			
Pure Premium Present on Rate Level		78%	4.232	77%	5.053	9.29			
Pure Premium Derived by Formula		4.158			4.783			8.94	

CLASS 6872		SHIP REPAIR OR CONVERSION-ALL OPERATIONS & DRIVERS-COVERAGE UNDER U.S. ACT							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	273,500	0	0	0	0	0	0	0	0.00
1/08 through 12/08	301,909	0	0	0	0	0	0	0	0.00
1/09 through 12/09	447,947	0	0	0	0	0	0	0	0.00
1/10 through 12/10	48,970	0	0	0	0	0	0	0	0.00
1/11 through 12/11	1,924	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,074,250	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.000	8%	0.000	0.00			
Pure Premium Indicated by National Relativity		46%	3.491	46%	3.861	7.35			
Pure Premium Present on Rate Level		47%	6.312	46%	4.793	11.11			
Pure Premium Derived by Formula		4.573			3.981			8.55	

\* Pure Premium per \$100 of Payroll  
 \*\* Pure Premium per employee  
 ++ Non-Standard Calculation

# NORTH CAROLINA

F-CLASS

APPENDIX B-V

EFFECTIVE 4/1/2015

CLASS 6874		PAINTING: SHIP HULLS-COVERAGE UNDER U.S. ACT							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	37,379	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>37,379</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	3%	0.000	0.00			
Pure Premium Indicated by National Relativity		22%	5.927	23%	5.844	11.77			
Pure Premium Present on Rate Level		76%	8.312	74%	8.899	17.21			
Pure Premium Derived by Formula		7.621			7.929			15.55	

CLASS 7309		STEVEDORING NOC							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	10,806	0	0	0	0	0	0	0	0.00
1/08 through 12/08	89,652	0	0	0	0	0	0	0	0.00
1/09 through 12/09	26,367	0	0	0	0	0	0	0	0.00
1/10 through 12/10	44,514	0	0	0	0	0	0	0	0.00
1/11 through 12/11	71,175	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>242,514</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	0.000	6%	0.000	0.00			
Pure Premium Indicated by National Relativity		41%	7.012	43%	7.406	14.42			
Pure Premium Present on Rate Level		55%	5.971	51%	7.240	13.21			
Pure Premium Derived by Formula		6.159			6.877			13.04	

CLASS 7313		COAL DOCK OPERATION & STEVEDORING							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	104,706	0	0	0	0	0	0	0	0.00
1/08 through 12/08	2,406	0	0	0	0	0	0	0	0.00
1/09 through 12/09	1,020	0	0	0	0	0	0	0	0.00
1/10 through 12/10	1,229	0	0	0	0	0	0	0	0.00
1/11 through 12/11	33,715	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>143,076</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		2%	0.000	2%	0.000	0.00			
Pure Premium Indicated by National Relativity		19%	0.666	20%	1.178	1.84			
Pure Premium Present on Rate Level		79%	1.477	78%	1.613	3.09			
Pure Premium Derived by Formula		1.293			1.494			2.79	

\* Pure Premium per \$100 of Payroll  
 \*\* Pure Premium per employee  
 ++ Non-Standard Calculation



# NORTH CAROLINA

F-CLASS

APPENDIX B-V

EFFECTIVE 4/1/2015

CLASS 7317		STEVEDORING: BY HAND OR HAND TRUCKS EXCLUSIVELY							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	253,663	0	0	0	0	0	0	0	0.00
1/08 through 12/08	384,383	1	36,043	0	0	0	0	36,043	9.38
1/09 through 12/09	244,906	0	0	0	0	0	0	0	0.00
1/10 through 12/10	247,941	0	0	0	0	0	0	0	0.00
1/11 through 12/11	512,350	0	0	1	264,291	0	58,219	322,510	62.95
<b>5 YR. TOTAL</b>	<b>1,643,243</b>	<b>1</b>	<b>36,043</b>	<b>1</b>	<b>264,291</b>	<b>0</b>	<b>58,219</b>	<b>358,553</b>	<b>21.82</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	18.277	9%	3.543	21.82			
Pure Premium Indicated by National Relativity		41%	4.876	43%	4.016	8.89			
Pure Premium Present on Rate Level		52%	4.142	48%	3.310	7.45			
Pure Premium Derived by Formula		5.432			3.635			9.07	

CLASS 7323		STEVEDORING: EXPLOSIVE MATERIALS-UNDER CONTRACT							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		0%	0.000	0%	0.000	0.00			
Pure Premium Present on Rate Level		100%	3.287	100%	0.648	3.94			
Pure Premium Derived by Formula		3.287			0.648			3.94	

CLASS 7327		STEVEDORING: CONTAINERIZED FREIGHT & DRIVERS							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
<b>5 YR. TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.00</b>
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		20%	4.342	21%	6.416	10.76			
Pure Premium Present on Rate Level		80%	5.080	79%	7.502	12.58			
Pure Premium Derived by Formula		4.932			7.274			12.21	

\* Pure Premium per \$100 of Payroll  
 \*\* Pure Premium per employee  
 ++ Non-Standard Calculation

# NORTH CAROLINA

F-CLASS

APPENDIX B-V

EFFECTIVE 4/1/2015

CLASS 7350		FREIGHT HANDLING NOC-COVERAGE UNDER U.S. ACT							
Industry Group: F-Class Hazard Group: F		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	138,238	0	0	0	0	0	0	0	0.00
1/08 through 12/08	252,161	0	0	0	0	0	0	0	0.00
1/09 through 12/09	323,948	0	0	0	0	0	0	0	0.00
1/10 through 12/10	328,562	0	0	0	0	0	0	0	0.00
1/11 through 12/11	295,158	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	1,338,067	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		7%	0.000	9%	0.000	0.00			
Pure Premium Indicated by National Relativity		28%	4.934	30%	5.267	10.20			
Pure Premium Present on Rate Level		65%	4.753	61%	4.478	9.23			
Pure Premium Derived by Formula		4.471			4.312			8.78	

CLASS 8709		STEVEDORING: TALLIERS AND CHECKING CLERKS ENGAGED IN CONNECTION WITH STEVEDORE WORK							
Industry Group: F-Class Hazard Group: G		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	24,548	0	0	0	0	0	0	0	0.00
1/08 through 12/08	591	0	0	0	0	0	0	0	0.00
1/09 through 12/09	148,334	0	0	1	11,974	0	8,038	20,012	13.49
1/10 through 12/10	293,146	0	0	0	0	0	0	0	0.00
1/11 through 12/11	410,315	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	876,934	0	0	1	11,974	0	8,038	20,012	2.28
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		4%	1.365	6%	0.917	2.28			
Pure Premium Indicated by National Relativity		20%	1.365	21%	1.583	2.95			
Pure Premium Present on Rate Level		76%	1.695	73%	2.272	3.97			
Pure Premium Derived by Formula		1.616			2.046			3.66	

CLASS 8726		STEAMSHIP LINE OR AGENCY-PORT EMPLOYEES: SUPERINTENDENTS, CAPTAINS, ENGINEERS, STEWARDS OR THEIR ASSISTANTS, PAY CLERKS							
Industry Group: F-Class Hazard Group: E		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	163,565	0	0	0	0	0	0	0	0.00
1/08 through 12/08	158,584	0	0	0	0	0	0	0	0.00
1/09 through 12/09	95,152	0	0	0	0	0	0	0	0.00
1/10 through 12/10	67,136	0	0	0	0	0	0	0	0.00
1/11 through 12/11	69,290	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	553,727	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		3%	0.000	4%	0.000	0.00			
Pure Premium Indicated by National Relativity		23%	2.109	24%	1.383	3.49			
Pure Premium Present on Rate Level		74%	1.169	72%	1.307	2.48			
Pure Premium Derived by Formula		1.350			1.273			2.62	

\* Pure Premium per \$100 of Payroll  
 \*\* Pure Premium per employee  
 ++ Non-Standard Calculation

# NORTH CAROLINA

F-CLASS

APPENDIX B-V

EFFECTIVE 4/1/2015

CLASS 9077		UNITED STATES ARMED SERVICE RISK-ALL EMPLOYEES & DRIVERS							
Industry Group: F-Class Hazard Group: C		CONVERTED LOSSES							
POLICY PERIOD	PAYROLL	INDEMNITY LIKELY		INDEMNITY NOT-LIKELY		MED LIKELY	MED NOT-LIKELY	TOTAL	TOTAL
		CASES	AMOUNT	CASES	AMOUNT	AMOUNT	AMOUNT	AMOUNT	PURE PREM.
1/07 through 12/07	0	0	0	0	0	0	0	0	0.00
1/08 through 12/08	0	0	0	0	0	0	0	0	0.00
1/09 through 12/09	0	0	0	0	0	0	0	0	0.00
1/10 through 12/10	0	0	0	0	0	0	0	0	0.00
1/11 through 12/11	0	0	0	0	0	0	0	0	0.00
5 YR. TOTAL	0	0	0	0	0	0	0	0	0.00
		INDEMNITY			MEDICAL			TOTAL	
		CRED.	PURE PREM.*	CRED.	PURE PREM.*	PURE PREM.*			
Indicated Pure Premium		0%	0.000	0%	0.000	0.00			
Pure Premium Indicated by National Relativity		6%	0.357	6%	2.083	2.44			
Pure Premium Present on Rate Level		94%	0.898	94%	0.722	1.62			
Pure Premium Derived by Formula		0.866			0.804			1.67	

\* Pure Premium per \$100 of Payroll  
 \*\* Pure Premium per employee  
 ++ Non-Standard Calculation

## NORTH CAROLINA

### APPENDIX B-V

#### Derivation of Proposed Loss Cost - Code 6824

The indicated pure premiums are developed by adjusting the limited losses by a set of conversion factors. The converted losses are then summarized into indemnity and medical and then divided by payroll (in hundreds). The derivation of the indicated pure premium for the above-captioned classification follows:

#### STATE ACT - LIMITED LOSSES (Workers Compensation Statistical Plan)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/07 - 12/31/07	0	0	0	0	0	0	0	0	640
01/01/08 - 12/31/08	0	0	0	0	0	0	0	0	0
01/01/09 - 12/31/09	0	0	0	0	0	0	0	0	0
01/01/10 - 12/31/10	0	0	0	0	0	0	0	0	0
01/01/11 - 12/31/11	0	0	0	0	0	0	0	0	0

#### FEDERAL ACT - LIMITED LOSSES (Workers Compensation Statistical Plan)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/07 - 12/31/07	0	0	0	29,406	25,793	0	0	29,976	25,782
01/01/08 - 12/31/08	0	0	0	0	0	0	0	0	403
01/01/09 - 12/31/09	0	0	0	61,403	187,373	0	0	7,859	61,208
01/01/10 - 12/31/10	0	0	0	0	0	0	4,878	0	6,987
01/01/11 - 12/31/11	0	0	0	0	11,360	0	0	0	46,005

#### STATE ACT - PRIMARY PARTIAL CONVERSION FACTORS (Appendix B-IV, Section A-1)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/07 - 12/31/07	1.312	1.205	1.072	1.036	0.952	1.072	0.985	1.229	0.994
01/01/08 - 12/31/08	1.386	1.227	1.131	1.098	0.971	1.131	1.001	1.274	0.997
01/01/09 - 12/31/09	1.537	1.324	1.254	1.219	1.051	1.254	1.081	1.322	1.010
01/01/10 - 12/31/10	1.803	1.439	1.502	1.467	1.170	1.502	1.199	1.377	1.028
01/01/11 - 12/31/11	2.926	1.785	2.837	2.817	1.719	2.837	1.731	1.654	1.113

#### FEDERAL ACT - PRIMARY PARTIAL CONVERSION FACTORS (Appendix B-IV, Section A-1)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/07 - 12/31/07	1.082	0.994	1.069	1.048	0.963	1.069	0.982	1.272	1.029
01/01/08 - 12/31/08	1.139	1.008	1.129	1.112	0.984	1.129	0.999	1.319	1.032
01/01/09 - 12/31/09	1.260	1.086	1.255	1.242	1.070	1.255	1.082	1.369	1.046
01/01/10 - 12/31/10	1.511	1.206	1.507	1.495	1.193	1.507	1.202	1.424	1.063
01/01/11 - 12/31/11	2.834	1.729	2.828	2.814	1.717	2.828	1.726	1.702	1.145

## NORTH CAROLINA

### APPENDIX B-V

#### Derivation of Proposed Loss Cost - Code 6824

#### EXPECTED EXCESS PROVISION AND REDISTRIBUTION (Appendix B-IV, Section A-2)

After the application of the primary conversion factors, the limited losses are brought to an expected unlimited level through the application of a hazard group-specific excess loss factor. The factor is shown below:

	HAZARD GROUP: F
Excess Factor	1.466

As the excess loss factor is on a combined (indemnity and medical) basis, the following portion of the indemnity expected excess losses are redistributed to medical in order to more accurately allocate expected excess losses:

Redistribution %	40%
------------------	-----

#### STATE ACT - EXPECTED UNLIM LOSSES (Lim Losses x Primary Conv Factors, then adjusted for the Excess Provision and Redistribution)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/07 - 12/31/07	0	0	0	0	0	0	0	0	933
01/01/08 - 12/31/08	0	0	0	0	0	0	0	0	0
01/01/09 - 12/31/09	0	0	0	0	0	0	0	0	0
01/01/10 - 12/31/10	0	0	0	0	0	0	0	0	0
01/01/11 - 12/31/11	0	0	0	0	0	0	0	0	0

#### FEDERAL ACT - EXPECTED UNLIM LOSSES (Lim Losses x Primary Conv Factors, then adjusted for the Excess Provision and Redistribution)

Policy Period	Fatal Likely	Fatal Not-Likely	Permanent Total	Permanent Partial Likely	Permanent Partial Not-Likely	Temporary Total Likely	Temporary Total Not-Likely	Medical Likely	Medical Not-Likely
01/01/07 - 12/31/07	0	0	0	39,438	31,788	0	0	61,656	43,533
01/01/08 - 12/31/08	0	0	0	0	0	0	0	0	610
01/01/09 - 12/31/09	0	0	0	97,599	256,579	0	0	30,000	131,270
01/01/10 - 12/31/10	0	0	0	0	0	0	7,503	0	11,984
01/01/11 - 12/31/11	0	0	0	0	24,962	0	0	0	80,876

#### STATE ACT - SECONDARY CONVERSION FACTORS (Appendix B-IV, Section A-3)

	INDUSTRY GROUP: F-Class
Policy Period	
01/01/07 - 12/31/07	1.170
01/01/08 - 12/31/08	1.170
01/01/09 - 12/31/09	1.170
01/01/10 - 12/31/10	1.170
01/01/11 - 12/31/11	1.170

#### FEDERAL ACT - SECONDARY CONVERSION FACTORS (Appendix B-IV, Section A-3)

	INDUSTRY GROUP: F-Class
Policy Period	
01/01/07 - 12/31/07	1.220
01/01/08 - 12/31/08	1.256
01/01/09 - 12/31/09	1.254
01/01/10 - 12/31/10	1.217
01/01/11 - 12/31/11	1.250

**NORTH CAROLINA**

**APPENDIX B-V**

**Derivation of Proposed Loss Cost - Code 6824**

**TOTAL - PAYROLL, FINAL CONVERTED LOSSES**

Policy Period	Payroll	Indemnity Likely	Indemnity Not-Likely	Medical Likely	Medical Not-Likely	Total Indemnity	Total Medical	Total
01/01/07 - 12/31/07	4,968,264	48,114	38,781	75,220	54,202	86,895	129,422	216,317
01/01/08 - 12/31/08	2,886,725	0	0	0	766	0	766	766
01/01/09 - 12/31/09	1,197,963	122,389	321,750	37,620	164,613	444,139	202,233	646,372
01/01/10 - 12/31/10	1,633,343	0	9,131	0	14,585	9,131	14,585	23,716
01/01/11 - 12/31/11	1,228,221	0	31,203	0	101,095	31,203	101,095	132,298
<b>Total</b>	<b>11,914,516</b>	<b>170,503</b>	<b>400,865</b>	<b>112,840</b>	<b>335,261</b>	<b>571,368</b>	<b>448,101</b>	<b>1,019,469</b>
<b>INDICATED PURE PREMIUM</b>						<b>4.796</b>	<b>3.761</b>	<b>8.56</b>

The present on rate level pure premiums are developed by adjusting the pure premiums underlying the current loss cost by the conversion factors. The derivation of the present on rate level pure premiums for the above-captioned classification follows:

	Indemnity	Medical	Total
Pure Premiums Underlying Current Loss Cost	3.802	3.848	7.65
Conversion Factors (Section B)	0.977	1.003	xxx
<b>PURE PREMIUMS PRESENT ON RATE LEVEL (Underlying Pure Premiums) x (Conversion Factor)</b>	<b>3.715</b>	<b>3.860</b>	<b>7.58</b>

**NORTH CAROLINA**

**APPENDIX B-V**

**Derivation of Proposed Loss Cost - Code 6824**

Industry Group - F-Class, Hazard Group - F

The loss cost for the above-captioned classification is derived as follows:

	<u>Indemnity</u>	<u>Medical</u>	<u>Total</u>
1. Indicated Pure Premium	4.796	3.761	8.56
2. Pure Premium Indicated by National Relativity	2.498	3.500	6.00
3. Pure Premium Present on Rate Level	3.715	3.860	7.58
4. State Credibilities	15%	20%	xxx
5. National Credibilities	42%	40%	xxx
6. Residual Credibilities = 100% - (4) - (5)	43%	40%	xxx
7. Derived by Formula Pure Premiums = (1) x (4) + (2) x (5) + (3) x (6)	3.366	3.696	7.06
8. Test Correction Factor	1.0000	1.0000	xxx
9. Underlying Pure Premiums = (7) x (8) *	3.364	3.696	7.06
10. Ratio of Manual to Standard Premium			1.083
11. Loss Cost = (9) x (10)			7.65
12. Loss Cost Within Swing Limits			7.65
Current Loss Cost x Swing Limits			
a) Lower bound = 8.33 x 0.850 = 7.09			
b) Upper bound = 8.33 x 1.150 = 9.57			
13. Pure Premiums Underlying Proposed Loss Cost* = ((13TOT) / (9TOT)) x (9) , (13TOT) = (12) / (10)	3.364	3.696	7.06
14. Disease, Catastrophe and/or Miscellaneous Loadings			0.00
15. Final Loaded Loss Cost			7.65

\* Indemnity pure premium is adjusted for the rounded total pure premium:  
Indemnity Pure Premium = Total Pure Premium - Medical Pure Premium

# NORTH CAROLINA LAW MEMO

## APPENDIX C-I

### Increase in the Maximum Weekly Benefit

Effective: January 1, 2014

Change in the maximum weekly benefit for:

Fatal Injury:	From	\$884.00	to	\$904.00
Total Disability:	From	\$884.00	to	\$904.00
Permanent Partial Disability:	From	\$884.00	to	\$904.00

**Total Effect: +0.2%**

SAWW effective 01/01/2013 = \$802.81 (actual).

110 % of \$802.81 rounded to the nearest \$2.00 dollars is \$884.00.

SAWW effective 01/01/2014 = \$822.19 (actual).

110 % of \$822.19 rounded to the nearest \$2.00 dollars is \$904.00.



# NORTH CAROLINA LAW MEMO

## APPENDIX C-I

### Impact By Type of Injury Due to the Increase in the Maximum Weekly Benefit, Effective January 1, 2014

<u>Type of Injury</u>	<u>Percentage of Losses (a)</u>	<u>Effect (%)</u>	
Fatal	1.4%	0.5	
Permanent Total	1.6%	0.5	
Permanent Partial	34.6%	0.4	
Temporary Total	13.1%	0.5	
Total Indemnity	50.7%	0.4	(b)
Medical	49.3%	0.0	
Total Losses	100.0%	0.2	(b)

(a) Proportions within indemnity are based on the 24-month period ending 12/31/2010 on the 4/1/2013 law level and developed to an ultimate basis by type of injury. The indemnity/medical split is based on policy years 2011 and 2012 financial call data projected to 1/1/2014.

(b) Weighted average.

## NORTH CAROLINA

### APPENDIX C-II

#### Analysis of North Carolina Senate Bill 744 Effective August 7, 2014

**Effective August 7, 2014, North Carolina Senate Bill 744 changed the state's workers compensation reimbursement laws for prescription drugs and pharmaceutical services. NCCI estimates that Senate Bill 744 will result in an impact of -0.4% on overall workers compensation costs in North Carolina.**

**Additional changes to Industrial Commission hearings and certain processing fees related to §97-73 are effective July 1, 2015. Any cost impact from these changes will be reflected in subsequent experience.**

#### **Summary of Enacted Changes**

Senate Bill 744 (SB 744) contains the following provisions:

- The reimbursement for prescription drugs and professional pharmaceutical services shall be limited to ninety-five percent (95%) of the average wholesale price (AWP) of the product, calculated on a per unit basis as of the date of dispensing.
- If a health care provider seeking reimbursement for drugs dispensed by a physician does not include the original manufacturer's National Drug Code (NDC) number on the bills and reports required by this section, reimbursement shall be limited to one hundred percent (100%) of the AWP of the least expensive clinically equivalent drug.
- No outpatient provider, other than a licensed pharmacy, may receive reimbursement for a Schedule II or a Schedule III controlled substance dispensed in excess of an initial five-day supply, commencing upon the employee's initial treatment following injury. Reimbursement for the five-day supply controlled substance dispensing shall be made at the rates outlined above

The above reimbursement limitations, effective August 7, 2014, do not affect situations where the employer/carrier and the provider seeking reimbursement have directly contracted for a lower reimbursement amount.

Prior to August 7, 2014, there were no limitations on reimbursements for prescription drugs in North Carolina.

Effective July 1, 2015, SB 744 also makes administrative changes to § 97-73 regarding the Industrial Commission's authority to charge fees for certain hearings or the processing of certain agreements.

## NORTH CAROLINA

### APPENDIX C-II

#### Analysis of North Carolina Senate Bill 744 Effective August 7, 2014

##### Actuarial Analysis

In this analysis, NCCI relies primarily on two data sources:

- Detailed medical data underlying the calculations in this analysis are based on NCCI's Medical Data Call for North Carolina for Service Year 2013.
- A repackaged or relabeled indicator field from First Databank's National Drug Data File™ (NDDF), Descriptive and Pricing Data, was used to distinguish repackaged or relabeled drugs from the drugs dispensed in their original packaging from the manufacturer reported within the Medical Data Call for North Carolina for Service Year 2013. The share of benefit costs attributed to medical benefits is based on the latest two policy years of NCCI's Financial Call data for North Carolina projected to the effective date of the benefit change.

##### **Repackaged/Non-Repackaged Drugs**

In order to determine the cost impact associated with repackaged or relabeled drugs, NCCI compared the paid amount of repackaged or relabeled drugs to the expected payment for drugs if they had been dispensed in their original packaging from the manufacturer (i.e., not repackaged or relabeled).

*Note: Since the original manufacturer NDC for a repackaged drug is not collected in the NC medical data call, the AWP's of clinically equivalent drugs were reviewed. An average of these individual AWP's was used to establish a proxy for the non-reported original manufacturer NDC for repackaged drugs. The proxy determination was done separately for brand name drugs and generic drugs. More specifically, the proxy AWP for repackaged brand name drugs was based on clinically equivalent brand name drugs and the proxy AWP for repackaged generic drugs was based on clinically equivalent generic drugs.*

The prior and revised reimbursements for each repackaged or relabeled drug were calculated as follows:

- Prior Reimbursement = Prior Paid Amount
- Revised Reimbursement = Average of AWP's for clinically equivalent drugs that are not repackaged or relabeled x total units of repackaged or relabeled drug x 95%

In order to determine the cost impact associated with non-repackaged drugs, NCCI compared the paid amount of the non-repackaged drugs to the new maximum reimbursements.

## NORTH CAROLINA

### APPENDIX C-II

#### Analysis of North Carolina Senate Bill 744 Effective August 7, 2014

The prior and revised reimbursements for each non-repackaged or relabeled drug were calculated as follows:

- Prior Reimbursement = Prior Paid Amount
- Revised Reimbursement = AWP x total units of drug x 95%

where a "unit" is the quantity of the drug dispensed per prescription.

The prior and revised reimbursements are then summed over all the transaction-level data to obtain total prior and total revised costs. The direct impact on drug costs is the ratio of total revised costs to total prior costs.

The impact on total prescription drugs due to SB 744 is summarized in the table below:

Type of Prescription Drug	Cost Distribution	Estimated Impact
Repackaged	3.4%	-66.8%
Non-Repackaged	96.6%	-3.7%
Total Prescription Drugs	100.0%	-5.8%

The above -5.8% impact on total prescription drugs is then multiplied by the North Carolina percentage of medical costs attributed to prescription drug payments (13.0%) to arrive at an estimated -0.8% impact on medical costs. The resulting impact on medical costs is then multiplied by the percentage of North Carolina benefit costs attributed to medical benefits (49.4%) to arrive at a -0.4% impact on overall North Carolina workers compensation system costs.

#### Schedule II and III Controlled Substances

In North Carolina, Schedule II and Schedule III controlled substances that are currently dispensed by entities other than a pharmacy represent 0.5% of total drug costs, or 0.1% (= 0.5% x 13.0%) of total medical costs. In this analysis, NCCI has assumed that to the extent non-pharmaceutical entities prescribe such drugs in excess of a five-day supply they will be dispensed instead by licensed pharmacies and thus be reimbursed at the revised drug fee schedule rates. Thus the cost impact due to this provision is already reflected in the above analysis.

The above-mentioned estimated impacts due to enacted North Carolina SB 744 are summarized in the following table:

	(A) Impact on Type of Service	(B) Medical Cost Distribution	(C) Impact on Medical Costs (A) x (B)	(D) Impact on Overall Costs 0.494 x (C)
Prescription Drugs	-5.8%	13.0%	-0.8%	-0.4%



**NORTH CAROLINA**

**APPENDIX C-III**

**Longshore and Harbor Workers' Compensation Act Law Memo**

**Impact By Type of Injury Due to the Increase in the Minimum  
and Maximum Weekly Benefit, Effective October 1, 2013**

<u>Type of Injury</u>	<u>Percentage of Losses (a)</u>	<u>Effect (%)</u>	
Fatal	1.9%	0.3	
Permanent Total	6.3%	0.3	
Permanent Partial	36.5%	0.1	
Temporary Total	11.8%	0.3	
Total Indemnity	56.5%	0.2	(b)
Medical	43.5%	0.0	
Total Losses	100.0%	0.1	(b)

(a) Nationwide losses under Longshore and Harbor Workers' Act for the three-year policy period ending 12/31/2010 on the 10/1/2012 law level and developed to an ultimate report.

(b) Weighted average.



## NORTH CAROLINA

### APPENDIX C-IV

#### Longshore and Harbor Workers' Compensation Act Assessment

The F-class and Program II, Option II maritime class voluntary loss costs and assigned risk rates include the following provision for the federal assessment:

1) Estimated Total Expense Needed for 2014*	118,000,000
2) Compensation Payments Reported (on indemnity only) in 2013*	956,178,453
3) Assessment Rate on Indemnity Losses (1) / (2)	12.3%

#### Breakdown of Losses Under the Longshore and Harbor Workers Act

4) Indemnity Losses (Combination of 1st through 3rd reports) #	72,700,502
5) Medical Losses (Combination of 1st through 3rd reports) #	55,940,902
6) Total Losses (4) + (5)	128,641,404
7) Assessment Rate on Total Losses { (3) x (4) } / (6)	7.0%

\* Source: U.S. Department of Labor

# Source: NCCI Workers Compensation Statistical Plan data





## NORTH CAROLINA

### APPENDIX D

#### Data Reporting Requirements - G.S. 58-36-15 (g) and (h)

##### Item (g)

- (1) A detailed list of the rates, loss costs, rules, and policy forms filed, accompanied by a list of those superseded; and
- (2) A detailed description, properly referenced, of all changes in policy forms, rules, prospective loss costs, and rates, including the effect of each change.

##### Response

See the summary page at the beginning of Exhibit RB-1 and Appendix E.

##### Item (h)

- (1) North Carolina earned premiums at the actual and current rate level; losses and loss adjustment expenses, each on paid and incurred bases without trending or other modification for the experience period, including the loss ratio anticipated at the time the rates were promulgated for the experience period;
- (2) Credibility factor development and application;
- (3) Loss development factor derivation and application on both paid and incurred bases and in both numbers and dollars of claims;
- (4) Trending factor development and application;
- (5) Changes in premium base resulting from rating exposure trends;
- (6) Limiting factor development and application;
- (7) Overhead expense development and application of commission and brokerage, other acquisition expenses, general expenses, taxes, licenses and fees;
- (8) Percent rate or prospective loss costs change;
- (9) Final proposed rates;
- (10) Investment earnings, consisting of investment income and realized plus unrealized capital gains, from loss, loss expense, and unearned premium reserves;
- (11) Identification of applicable statistical plans and programs and a certification of compliance with them;
- (12) Investment earnings on capital and surplus;
- (13) Level of capital and surplus needed to support premium writings without endangering the solvency of member companies; and
- (14) Such other information that may be required by any rule adopted by the Commissioner.

##### Response

To the extent that G. S. 58-36-15 (h) applies to workers' compensation insurance voluntary loss costs and residual market rate filings, the required information is included in the 11 NCAC 10.1111 responses.



NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/14</u>	<u>Proposed 04/01/15</u>	<u>Percent Change</u>
0005	2.64	2.43	-8.0%
0008	2.29	2.11	-7.9%
0016	9.00	6.98	-22.4%
0034	3.96	3.75	-5.3%
0035	2.66	2.35	-11.7%
0036	3.71	3.97	7.0%
0037	3.91	3.93	0.5%
0042	4.44	4.57	2.9%
0050	7.07	6.39	-9.6%
0059	0.39	0.38	-2.6%
0065	0.09	0.09	0.0%
0066	0.09	0.09	0.0%
0067	0.09	0.09	0.0%
0079	3.64	3.61	-0.8%
0083	3.46	3.73	7.8%
0106	23.08	21.15	-8.4%
0113	5.12	5.03	-1.8%
0170	3.61	3.16	-12.5%
0251	4.62	4.30	-6.9%
0400	7.22	6.64	-8.0%
0401	8.74	8.89	1.7%
0763	1.87	1.83	-2.1%
0771	0.40	0.43	7.5%
0908	148.00	129.00	-12.8%
0913	432.00	501.00	16.0%
0917	4.70	4.98	6.0%
1005	10.26	6.68	-34.9%
1164	7.65	6.88	-10.1%
1165	5.03	4.15	-17.5%
1320	2.85	2.40	-15.8%
1322	10.36	9.82	-5.2%
1430	6.83	7.44	8.9%
1438	4.12	4.12	0.0%
1452	2.56	2.85	11.3%
1463	9.02	8.49	-5.9%
1470	3.86	3.73	-3.4%
1473	1.96	1.73	-11.7%
1474	2.36	2.18	-7.6%
1624	3.31	3.14	-5.1%
1642	3.07	2.64	-14.0%
1654	17.89	22.00	23.0%
1655	4.39	3.53	-19.6%
1699	4.46	3.92	-12.1%
1701	5.56	5.92	6.5%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/14</u>	<u>Proposed 04/01/15</u>	<u>Percent Change</u>
1710	5.46	5.41	-0.9%
1741	2.91	2.67	-8.2%
1747	1.90	1.97	3.7%
1748	3.17	3.33	5.0%
1803	8.45	7.74	-8.4%
1852	2.36	2.28	-3.4%
1853	1.27	1.20	-5.5%
1860	1.80	1.87	3.9%
1924	2.71	2.28	-15.9%
1925	3.04	3.16	3.9%
2002	2.50	2.14	-14.4%
2003	2.92	3.21	9.9%
2014	4.78	4.48	-6.3%
2016	1.76	1.71	-2.8%
2021	2.25	1.93	-14.2%
2039	2.37	2.33	-1.7%
2041	3.16	3.07	-2.8%
2065	3.74	3.58	-4.3%
2070	5.55	5.05	-9.0%
2081	2.78	2.41	-13.3%
2089	2.90	2.67	-7.9%
2095	4.25	4.23	-0.5%
2105	2.67	2.79	4.5%
2110	1.83	1.99	8.7%
2111	4.56	4.73	3.7%
2112	2.55	2.77	8.6%
2114	1.36	1.61	18.4%
2121	1.62	1.29	-20.4%
2130	2.13	2.08	-2.3%
2131	2.38	2.24	-5.9%
2143	2.55	2.27	-11.0%
2157	4.86	4.30	-11.5%
2172	1.98	1.93	-2.5%
2174	3.41	3.20	-6.2%
2211	7.97	8.82	10.7%
2220	2.61	2.66	1.9%
2286	1.57	1.35	-14.0%
2288	3.50	4.06	16.0%
2300	2.54	2.43	-4.3%
2302	1.78	1.76	-1.1%
2305	2.71	2.62	-3.3%
2361	2.14	2.06	-3.7%
2362	1.51	1.51	0.0%
2380	2.18	2.21	1.4%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/14</u>	<u>Proposed 04/01/15</u>	<u>Percent Change</u>
2386	1.29	1.17	-9.3%
2388	2.14	1.93	-9.8%
2402	1.96	2.32	18.4%
2413	2.33	2.33	0.0%
2416	2.00	2.29	14.5%
2417	1.81	1.49	-17.7%
2501	2.16	2.17	0.5%
2503	1.48	1.28	-13.5%
2534	1.98	1.82	-8.1%
2570	4.60	4.73	2.8%
2585	4.02	3.62	-10.0%
2586	2.85	2.72	-4.6%
2587	3.95	3.37	-14.7%
2589	1.82	1.87	2.7%
2600	2.18	2.20	0.9%
2623	5.01	5.33	6.4%
2651	2.30	1.84	-20.0%
2660	2.43	2.39	-1.6%
2670	1.39	1.33	-4.3%
2683	1.37	1.21	-11.7%
2688	3.18	2.93	-7.9%
2702	19.43	18.91	-2.7%
2705	49.79	59.29	19.1%
2709	10.74	10.44	-2.8%
2710	8.71	8.43	-3.2%
2714	4.55	3.89	-14.5%
2727	7.74	7.45	-3.7%
2731	3.56	3.49	-2.0%
2735	4.23	4.11	-2.8%
2759	4.79	5.17	7.9%
2790	1.75	1.67	-4.6%
2791	1.60	1.96	22.5%
2797	6.20	5.78	-6.8%
2799	2.69	3.28	21.9%
2802	4.06	4.56	12.3%
2835	2.58	2.52	-2.3%
2836	2.17	1.88	-13.4%
2841	3.85	3.45	-10.4%
2881	2.67	3.04	13.9%
2883	3.45	3.49	1.2%
2913	2.65	2.31	-12.8%
2915	2.38	2.21	-7.1%
2916	2.85	2.62	-8.1%
2923	1.90	1.90	0.0%

**NORTH CAROLINA**

**APPENDIX E**

**Loss Costs Comparison**

<b><u>Class Code</u></b>	<b><u>Current 04/01/14</u></b>	<b><u>Proposed 04/01/15</u></b>	<b><u>Percent Change</u></b>
2942	1.92	1.93	0.5%
2960	3.61	3.79	5.0%
3004	1.48	1.53	3.4%
3018	2.73	2.97	8.8%
3022	6.23	6.71	7.7%
3027	2.19	2.11	-3.7%
3028	3.49	2.71	-22.3%
3030	5.44	5.36	-1.5%
3040	6.02	5.33	-11.5%
3041	4.79	4.78	-0.2%
3042	4.06	3.72	-8.4%
3064	4.88	4.75	-2.7%
3076	3.29	3.20	-2.7%
3081	3.86	3.93	1.8%
3082	4.42	3.59	-18.8%
3085	4.70	4.63	-1.5%
3110	4.90	4.78	-2.4%
3111	2.86	2.42	-15.4%
3113	2.05	1.90	-7.3%
3114	3.11	2.68	-13.8%
3118	2.07	1.83	-11.6%
3119	0.80	0.79	-1.3%
3122	2.01	1.76	-12.4%
3126	2.77	2.66	-4.0%
3131	1.23	1.19	-3.3%
3132	2.67	2.85	6.7%
3145	2.16	1.93	-10.6%
3146	2.18	2.00	-8.3%
3169	3.55	3.58	0.8%
3175	3.83	3.76	-1.8%
3179	1.42	1.58	11.3%
3180	1.74	1.72	-1.1%
3188	1.51	1.25	-17.2%
3220	2.37	1.96	-17.3%
3223	2.27	2.62	15.4%
3224	2.70	3.02	11.9%
3227	2.89	2.91	0.7%
3240	2.36	2.44	3.4%
3241	2.90	2.81	-3.1%
3255	2.12	2.04	-3.8%
3257	2.72	3.00	10.3%
3270	2.75	2.68	-2.5%
3300	3.68	3.04	-17.4%
3303	2.38	2.92	22.7%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/14</u>	<u>Proposed 04/01/15</u>	<u>Percent Change</u>
3307	3.26	3.79	16.3%
3315	4.15	3.93	-5.3%
3334	4.49	3.97	-11.6%
3336	2.84	2.74	-3.5%
3365	7.80	6.87	-11.9%
3372	3.88	3.58	-7.7%
3373	4.73	4.32	-8.7%
3383	1.04	0.99	-4.8%
3385	0.89	0.85	-4.5%
3400	2.86	2.83	-1.0%
3507	2.37	2.17	-8.4%
3515	1.76	1.56	-11.4%
3516	1.14	1.19	4.4%
3548	1.64	1.41	-14.0%
3559	1.97	2.06	4.6%
3574	0.75	0.69	-8.0%
3581	1.71	1.31	-23.4%
3612	2.06	2.12	2.9%
3620	5.72	5.77	0.9%
3629	1.52	1.64	7.9%
3632	2.79	2.74	-1.8%
3634	1.57	1.54	-1.9%
3635	2.04	2.08	2.0%
3638	1.35	1.24	-8.1%
3642	1.11	1.12	0.9%
3643	1.87	1.68	-10.2%
3647	2.12	1.94	-8.5%
3648	1.29	1.29	0.0%
3681	0.99	0.84	-15.2%
3685	1.06	1.07	0.9%
3719	1.45	1.44	-0.7%
3724	4.20	3.86	-8.1%
3726	7.16	5.98	-16.5%
3803	2.26	2.38	5.3%
3807	1.80	1.65	-8.3%
3808	2.63	3.08	17.1%
3821	5.64	5.34	-5.3%
3822	4.86	4.47	-8.0%
3824	3.85	3.69	-4.2%
3826	0.94	0.74	-21.3%
3827	1.68	1.66	-1.2%
3830	1.23	1.15	-6.5%
3851	4.46	3.62	-18.8%
3865	1.80	1.84	2.2%



**NORTH CAROLINA**

**APPENDIX E**

**Loss Costs Comparison**

<b><u>Class Code</u></b>	<b><u>Current 04/01/14</u></b>	<b><u>Proposed 04/01/15</u></b>	<b><u>Percent Change</u></b>
3881	3.77	3.77	0.0%
4000	4.98	4.45	-10.6%
4021	4.45	4.44	-0.2%
4024	3.47	3.07	-11.5%
4034	5.32	5.15	-3.2%
4036	2.32	2.13	-8.2%
4038	2.63	2.32	-11.8%
4053	2.63	1.96	-25.5%
4061	3.53	2.95	-16.4%
4062	1.84	2.00	8.7%
4101	2.63	2.69	2.3%
4109	0.60	0.51	-15.0%
4110	1.34	1.16	-13.4%
4111	1.65	1.48	-10.3%
4113	1.80	1.89	5.0%
4114	5.80	4.24	-26.9%
4130	3.70	3.50	-5.4%
4131	4.27	4.19	-1.9%
4133	2.71	2.07	-23.6%
4149	0.55	0.45	-18.2%
4206	2.78	2.65	-4.7%
4207	1.18	1.28	8.5%
4239	2.78	2.78	0.0%
4240	2.50	2.12	-15.2%
4243	1.74	1.72	-1.1%
4244	1.92	1.82	-5.2%
4250	1.47	1.75	19.0%
4251	1.91	2.00	4.7%
4263	3.59	3.38	-5.8%
4273	2.39	2.43	1.7%
4279	2.15	2.16	0.5%
4282	2.72	2.53	-7.0%
4283	3.01	2.20	-26.9%
4299	1.99	1.91	-4.0%
4301	1.15	1.11	-3.5%
4304	3.97	3.91	-1.5%
4307	1.50	1.53	2.0%
4351	1.16	1.20	3.4%
4352	1.22	1.25	2.5%
4360	1.60	1.37	-14.4%
4361	1.24	1.05	-15.3%
4410	3.34	3.33	-0.3%
4417	2.35	2.08	-11.5%
4420	7.76	7.70	-0.8%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/14</u>	<u>Proposed 04/01/15</u>	<u>Percent Change</u>
4431	1.32	1.23	-6.8%
4432	1.23	1.13	-8.1%
4439	1.90	1.73	-8.9%
4452	3.24	2.86	-11.7%
4459	2.50	2.61	4.4%
4470	2.07	1.95	-5.8%
4484	2.54	2.26	-11.0%
4493	2.82	2.12	-24.8%
4511	0.45	0.40	-11.1%
4557	2.36	2.41	2.1%
4558	1.46	1.28	-12.3%
4568	2.52	2.18	-13.5%
4581	1.03	0.77	-25.2%
4583	6.44	5.49	-14.8%
4611	0.61	0.62	1.6%
4635	2.77	2.80	1.1%
4653	2.10	2.15	2.4%
4665	8.13	7.21	-11.3%
4670	4.65	5.71	22.8%
4683	2.64	3.24	22.7%
4686	2.02	1.91	-5.4%
4692	0.53	0.50	-5.7%
4693	0.79	0.81	2.5%
4703	1.94	1.99	2.6%
4717	1.99	2.03	2.0%
4720	1.64	1.63	-0.6%
4740	1.90	2.11	11.1%
4741	1.62	1.94	19.8%
4751	3.22	3.37	4.7%
4771	2.27	2.45	7.9%
4777	7.55	5.52	-26.9%
4825	0.99	0.94	-5.1%
4828	1.80	1.68	-6.7%
4829	1.97	1.64	-16.8%
4902	3.18	3.17	-0.3%
4923	1.12	1.04	-7.1%
5020	7.64	6.94	-9.2%
5022	6.32	6.67	5.5%
5037	28.29	20.89	-26.2%
5040	15.05	10.84	-28.0%
5057	9.83	8.31	-15.5%
5059	26.88	19.42	-27.8%
5069	29.10	21.69	-25.5%
5102	6.66	5.93	-11.0%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/14</u>	<u>Proposed 04/01/15</u>	<u>Percent Change</u>
5146	6.59	6.04	-8.3%
5160	3.76	3.34	-11.2%
5183	4.67	4.66	-0.2%
5188	5.18	5.74	10.8%
5190	4.52	4.57	1.1%
5191	0.77	0.68	-11.7%
5192	4.05	3.59	-11.4%
5213	7.02	7.08	0.9%
5215	3.87	4.08	5.4%
5221	4.11	4.33	5.4%
5222	10.55	10.81	2.5%
5223	4.71	4.33	-8.1%
5348	4.61	4.95	7.4%
5402	4.16	4.71	13.2%
5403	6.54	6.65	1.7%
5437	5.96	5.97	0.2%
5443	3.84	4.28	11.5%
5445	8.18	8.66	5.9%
5462	6.58	6.14	-6.7%
5472	4.84	4.46	-7.9%
5473	9.82	10.59	7.8%
5474	6.50	6.50	0.0%
5478	3.92	3.64	-7.1%
5479	6.75	7.10	5.2%
5480	5.63	5.80	3.0%
5491	3.29	2.79	-15.2%
5506	6.80	6.08	-10.6%
5507	4.55	4.60	1.1%
5508	12.74	13.09	2.7%
5535	7.16	7.69	7.4%
5537	5.54	5.71	3.1%
5551	17.05	17.04	-0.1%
5606	1.87	1.59	-15.0%
5610	6.76	6.69	-1.0%
5645	14.10	14.26	1.1%
5703	18.21	17.84	-2.0%
5705	14.25	17.38	22.0%
5951	0.34	0.35	2.9%
6003	7.06	8.46	19.8%
6005	6.23	5.98	-4.0%
6017	6.08	5.09	-16.3%
6018	3.76	3.62	-3.7%
6045	3.39	3.83	13.0%
6204	11.31	11.10	-1.9%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/14</u>	<u>Proposed 04/01/15</u>	<u>Percent Change</u>
6206	4.36	4.10	-6.0%
6213	2.78	2.62	-5.8%
6214	3.17	3.08	-2.8%
6216	7.63	7.40	-3.0%
6217	6.96	6.35	-8.8%
6229	4.37	4.12	-5.7%
6233	4.21	3.72	-11.6%
6235	8.16	7.53	-7.7%
6236	11.61	12.26	5.6%
6237	1.95	1.96	0.5%
6251	12.00	8.64	-28.0%
6252	6.15	5.33	-13.3%
6260	5.51	5.35	-2.9%
6306	6.18	5.55	-10.2%
6319	6.28	5.96	-5.1%
6325	5.76	5.78	0.3%
6400	5.76	6.02	4.5%
6503	2.50	2.05	-18.0%
6504	2.50	2.33	-6.8%
6702	6.28	5.55	-11.6%
6703	12.93	11.03	-14.7%
6704	6.98	6.17	-11.6%
6801	3.02	2.80	-7.3%
6811	6.47	7.95	22.9%
6824	8.33	7.65	-8.2%
6826	3.98	4.42	11.1%
6834	2.75	2.97	8.0%
6836	5.48	4.55	-17.0%
6843	11.99	10.71	-10.7%
6845	10.20	9.68	-5.1%
6854	5.39	4.75	-11.9%
6872	12.24	10.41	-15.0%
6874	18.93	16.84	-11.0%
6882	4.74	4.69	-1.1%
6884	7.56	6.56	-13.2%
7016	3.60	3.04	-15.6%
7024	4.00	3.38	-15.5%
7038	5.37	5.01	-6.7%
7046	6.73	6.50	-3.4%
7047	7.41	6.04	-18.5%
7050	11.06	9.96	-9.9%
7090	5.97	5.57	-6.7%
7098	7.48	7.22	-3.5%
7099	13.86	12.91	-6.9%

NORTH CAROLINA

APPENDIX E

Loss Costs Comparison

<u>Class Code</u>	<u>Current 04/01/14</u>	<u>Proposed 04/01/15</u>	<u>Percent Change</u>
7133	5.85	5.14	-12.1%
7151	7.11	6.25	-12.1%
7152	14.63	12.41	-15.2%
7153	7.90	6.94	-12.2%
7222	8.17	8.10	-0.9%
7228	8.16	7.56	-7.4%
7229	11.34	11.09	-2.2%
7230	8.03	9.29	15.7%
7231	8.54	8.33	-2.5%
7232	10.56	10.58	0.2%
7309	14.52	14.12	-2.8%
7313	3.40	3.02	-11.2%
7317	8.21	9.44	15.0%
7323	4.37	4.27	-2.3%
7327	13.81	13.22	-4.3%
7333	5.30	4.55	-14.2%
7335	5.89	5.06	-14.1%
7337	10.91	9.05	-17.0%
7350	10.16	9.51	-6.4%
7360	4.00	4.67	16.8%
7370	6.39	6.35	-0.6%
7380	4.98	4.93	-1.0%
7382	5.36	5.60	4.5%
7390	5.04	5.16	2.4%
7394	6.26	5.13	-18.1%
7395	6.96	5.70	-18.1%
7398	12.90	10.19	-21.0%
7402	0.17	0.16	-5.9%
7403	4.38	4.80	9.6%
7405	1.95	2.02	3.6%
7420	17.97	15.26	-15.1%
7421	1.66	1.30	-21.7%
7422	2.26	2.11	-6.6%
7425	4.13	3.29	-20.3%
7431	2.27	1.66	-26.9%
7445	0.65	0.67	3.1%
7453	0.76	0.55	-27.6%
7502	3.25	2.77	-14.8%
7515	1.67	1.34	-19.8%
7520	3.65	3.32	-9.0%
7529	12.56	15.32	22.0%
7538	12.39	10.76	-13.2%
7539	2.85	2.23	-21.8%
7540	6.06	5.69	-6.1%

**NORTH CAROLINA**

**APPENDIX E**

**Loss Costs Comparison**

<b><u>Class Code</u></b>	<b><u>Current 04/01/14</u></b>	<b><u>Proposed 04/01/15</u></b>	<b><u>Percent Change</u></b>
7580	3.29	3.40	3.3%
7590	5.43	4.92	-9.4%
7600	5.77	5.61	-2.8%
7605	2.74	2.45	-10.6%
7610	0.55	0.56	1.8%
7705	8.27	8.90	7.6%
7710	5.03	5.21	3.6%
7711	5.03	5.21	3.6%
7720	2.52	2.38	-5.6%
7723	3.25	3.14	-3.4%
7855	5.17	4.57	-11.6%
8001	2.92	2.68	-8.2%
8002	2.09	1.93	-7.7%
8006	3.06	3.09	1.0%
8008	1.54	1.37	-11.0%
8010	1.43	1.34	-6.3%
8013	0.49	0.46	-6.1%
8015	0.83	0.80	-3.6%
8017	1.74	1.64	-5.7%
8018	2.47	2.23	-9.7%
8021	2.22	2.33	5.0%
8031	3.59	3.32	-7.5%
8032	2.23	1.86	-16.6%
8033	2.16	1.85	-14.4%
8037	1.74	1.56	-10.3%
8039	2.54	2.35	-7.5%
8044	3.81	3.44	-9.7%
8045	0.58	0.51	-12.1%
8046	3.00	2.67	-11.0%
8047	0.95	0.97	2.1%
8058	3.35	3.12	-6.9%
8072	0.72	0.69	-4.2%
8102	1.51	1.35	-10.6%
8103	3.00	2.61	-13.0%
8105	2.53	2.27	-10.3%
8106	4.71	4.29	-8.9%
8107	4.06	3.84	-5.4%
8111	2.09	2.07	-1.0%
8116	3.24	2.91	-10.2%
8203	5.98	6.47	8.2%
8204	3.16	2.81	-11.1%
8209	3.28	3.15	-4.0%
8215	3.63	3.46	-4.7%
8227	5.27	4.61	-12.5%

**NORTH CAROLINA**

**APPENDIX E**

**Loss Costs Comparison**

<b><u>Class Code</u></b>	<b><u>Current 04/01/14</u></b>	<b><u>Proposed 04/01/15</u></b>	<b><u>Percent Change</u></b>
8232	4.19	4.35	3.8%
8233	3.32	2.98	-10.2%
8235	5.18	4.90	-5.4%
8236	6.15	5.61	-8.8%
8263	6.38	6.25	-2.0%
8264	5.45	4.76	-12.7%
8265	7.06	6.19	-12.3%
8279	6.27	7.58	20.9%
8288	9.28	8.41	-9.4%
8291	4.59	4.46	-2.8%
8292	3.79	3.69	-2.6%
8293	11.91	11.84	-0.6%
8304	4.76	4.40	-7.6%
8350	9.32	8.31	-10.8%
8380	2.69	2.57	-4.5%
8381	2.74	2.13	-22.3%
8385	3.04	2.62	-13.8%
8392	2.73	2.56	-6.2%
8393	1.83	1.69	-7.7%
8500	6.29	5.99	-4.8%
8601	0.68	0.56	-17.6%
8602	0.74	0.88	18.9%
8603	0.15	0.11	-26.7%
8606	3.35	3.17	-5.4%
8709	4.36	3.96	-9.2%
8710	2.40	2.25	-6.3%
8719	3.40	3.25	-4.4%
8720	1.96	1.99	1.5%
8721	0.32	0.29	-9.4%
8723	0.17	0.16	-5.9%
8725	2.21	2.11	-4.5%
8726	2.72	2.84	4.4%
8734	0.54	0.53	-1.9%
8737	0.49	0.47	-4.1%
8738	1.00	0.94	-6.0%
8742	0.40	0.39	-2.5%
8745	5.15	4.80	-6.8%
8748	0.69	0.67	-2.9%
8755	0.44	0.45	2.3%
8799	0.58	0.49	-15.5%
8800	1.10	1.09	-0.9%
8803	0.09	0.09	0.0%
8805	0.23	0.22	-4.3%
8810	0.17	0.16	-5.9%

**NORTH CAROLINA**

**APPENDIX E**

**Loss Costs Comparison**

<b><u>Class Code</u></b>	<b><u>Current 04/01/14</u></b>	<b><u>Proposed 04/01/15</u></b>	<b><u>Percent Change</u></b>
8814	0.21	0.19	-9.5%
8815	0.43	0.39	-9.3%
8820	0.15	0.15	0.0%
8824	3.48	3.15	-9.5%
8825	1.76	1.64	-6.8%
8826	3.17	3.02	-4.7%
8831	1.35	1.25	-7.4%
8832	0.38	0.38	0.0%
8833	1.58	1.44	-8.9%
8835	2.53	2.60	2.8%
8842	2.23	2.16	-3.1%
8848	2.77	2.48	-10.5%
8849	3.28	3.16	-3.7%
8855	0.17	0.16	-5.9%
8856	0.17	0.16	-5.9%
8864	1.61	1.53	-5.0%
8868	0.48	0.47	-2.1%
8869	1.25	1.12	-10.4%
8871	0.16	0.12	-25.0%
8901	0.22	0.20	-9.1%
9012	1.34	1.25	-6.7%
9014	2.82	2.72	-3.5%
9015	3.54	3.46	-2.3%
9016	3.02	2.92	-3.3%
9019	2.49	2.61	4.8%
9033	1.87	1.85	-1.1%
9040	2.87	3.09	7.7%
9044	1.69	1.59	-5.9%
9052	2.06	2.18	5.8%
9058	1.48	1.34	-9.5%
9060	1.35	1.31	-3.0%
9061	1.24	1.10	-11.3%
9062	1.42	1.37	-3.5%
9063	1.06	0.99	-6.6%
9077	1.79	1.81	1.1%
9082	1.31	1.32	0.8%
9083	1.44	1.33	-7.6%
9084	1.27	1.25	-1.6%
9089	1.07	1.29	20.6%
9093	1.33	1.28	-3.8%
9101	3.25	3.21	-1.2%
9102	2.78	2.74	-1.4%
9154	2.01	2.02	0.5%
9156	2.87	2.70	-5.9%



**NORTH CAROLINA**

**APPENDIX E**

**Loss Costs Comparison**

<b><u>Class Code</u></b>	<b><u>Current 04/01/14</u></b>	<b><u>Proposed 04/01/15</u></b>	<b><u>Percent Change</u></b>
9170	4.15	5.02	21.0%
9178	6.68	6.75	1.0%
9179	16.16	12.58	-22.2%
9180	4.61	4.15	-10.0%
9182	2.06	1.94	-5.8%
9186	23.13	16.89	-27.0%
9220	4.63	4.51	-2.6%
9402	6.31	6.11	-3.2%
9403	8.31	8.21	-1.2%
9410	2.98	2.76	-7.4%
9501	2.71	3.22	18.8%
9505	2.73	2.80	2.6%
9516	4.69	5.15	9.8%
9519	4.08	3.94	-3.2%
9521	3.85	4.49	16.6%
9522	1.82	1.78	-2.2%
9534	9.47	8.41	-11.2%
9554	13.19	14.27	8.2%
9586	0.61	0.59	-3.3%
9600	2.12	2.11	-0.5%
9620	0.99	1.08	9.1%

## 11 NCAC 10.1111 – WORKERS COMPENSATION

### Item

- 1 North Carolina losses and loss adjustment expenses, each on paid and incurred bases without trending or other modification for the experience period.
- 1(a) The filer shall include loss and loss adjustment expense data from all companies writing North Carolina workers compensation insurance. In addition, if exposures are used in the calculation of premiums at present rates, the filer shall provide all available exposure data from these companies. If the experience of any company that writes more than one percent of the North Carolina workers compensation written premium has been excluded from any trend or loss development calculations, the filer shall identify the company and its market share and provide an explanation for its exclusion. The filer shall also estimate the aggregate market share of other companies whose experience is excluded from such calculations.

### Response

See Exhibit RB-1 for loss and loss adjustment expense data.

See Exhibit RB-1, Appendix A-IV for a list of the companies excluded from the loss cost level and trend calculations. Loss development calculations include only data for matching companies for specific valuations (See Exhibit RB-1, Appendix A-II). Aside from the carriers listed in Appendix A-IV, the aggregate market share of the carriers excluded from any of the individual year loss development link ratio calculations is approximately four percent.

## 11 NCAC 10.1111 – WORKERS COMPENSATION

### Item

- 1(b) If any identifiable group of policies is excluded from the calculation of classification differentials, the filer shall describe those policies, indicate their market share, and provide an explanation for their exclusion.

### Response

This request refers to policies excluded from the calculation of "classification differentials." The response has been prepared under the assumption that the interest is in policies excluded from the calculation of the industry group differentials. The Rate Bureau is advised by the National Council on Compensation Insurance as follows:

Industry group differentials distribute the overall pure premium level change among the five industry groups: manufacturing, contracting, office & clerical, goods & services, and miscellaneous. The losses and premium used to derive the industry group differentials are, hence, based on losses and premium from class codes in the five industry groups (See Exhibit RB-1, Appendix A-V). A description of the class codes excluded from this calculation is listed below along with an explanation of their exclusion.

Discontinued class codes - Because loss costs are no longer calculated for these class codes, if data is not reassigned to another class code, the loss and premium experience is not included in the industry group differential calculation.

Disease codes and non-ratable codes - Because of the current ratemaking procedures for these codes, their experience does not directly influence the loss cost calculation. It, therefore, is not considered when determining other class codes' loss costs through the industry group differentials. Loss costs for disease codes and loss costs for non-ratable codes are a certain percentage of their respective ratable portions.

Federal classifications - Loss costs for the federal classes (F-classes) are calculated separately from non F-class loss costs. F-class experience is not allowed to influence the industry group differentials that are used to derive non F-class loss costs.

Maritime codes - The ratemaking procedure for maritime codes varies by class code. Item B-1101 established the combination of rates for several industrial class codes with several F-classifications. Similar to F-classes, we do not allow maritime experience to influence the industry group differentials that are used to derive non-maritime loss costs.

Statistical classifications - The experience reported under statistical classes is not directly associated with a certain code or industry group. For this reason, it is not included in the industry group differential calculation. Examples of experience in this classification category are expense constant premium and the additional premium charged for increased liability limits.

Concerning their percentage of the market share, the excluded data mentioned above normally represents less than 1% of the payroll for the five WCSP policy periods combined.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 1(c) The filer shall clearly describe all adjustments to losses, loss adjustment expenses, expenses as defined in G.S. 58-36-100(c), and exposures included in the filing.

Response

See Exhibits RB-1, RB-3, RB-5, and the attached Exhibit 1(c).

North Carolina Policy Year Premium On-level Factors

Section A - Historical Premium Level and Expense Constant Changes

Voluntary Market			Assigned Risk Market		
<u>Date</u>	<u>Pure Premium Level Change</u>	<u>Expense Constant</u>	<u>Date</u>	<u>Premium Level Change</u>	<u>Expense Constant</u>
4/1/04	0.990	n/a	4/1/04	1.050	\$210
4/1/05	1.020	n/a	4/1/05	1.040	\$210
4/1/06	1.094	n/a	4/1/06	1.087	\$210
4/1/07	1.073	n/a	4/1/07	1.076	\$250
4/1/08	1.016	n/a	4/1/08	1.041	\$250
4/1/09	0.956	n/a	4/1/09	0.962	\$250
4/1/10	0.904	n/a	4/1/10	1.000	\$250
4/1/11	1.006	n/a	4/1/11	1.041	\$250
1/1/13 *	0.991	n/a	1/1/13 *	0.991	\$250
4/1/13	0.995	n/a	4/1/13	1.048	\$250
4/1/14	1.003	n/a	4/1/14	1.042	\$250

Section B - Factors adjusting assigned risk and voluntary premium to present pure premium level

	<u>Policy Year 2012</u>	<u>Policy Year 2011</u>	<u>Policy Year 2010</u>	<u>Policy Year 2009</u>	<u>Policy Year 2008</u>	<u>Policy Year 2007</u>	<u>Policy Year 2006</u>	<u>Policy Year 2005</u>
(1) Assigned Risk Market Share	0.054	0.041	0.043	0.051	0.067	0.093	0.118	0.145
(2) Voluntary Market Share	0.946	0.959	0.957	0.949	0.933	0.907	0.882	0.855
(3) Assigned Risk Standard Prem. Adj. Factor	0.645	0.638	0.649	0.647	0.647	0.689	0.757	0.866
(4) Voluntary Standard Prem. Adj. Factor	0.989	0.991	0.961	0.887	0.864	0.893	0.965	1.031
(5) Current Premium Index A/R to Voluntary	1.630	1.630	1.630	1.630	1.630	1.630	1.630	1.630
(6) Final Premium Adjustment Factor = [ ((1)x(3))/(5) + (2)x(4) ]	0.957	0.966	0.937	0.862	0.832	0.849	0.906	0.959

\* Impact of Item Filing B-1425.

North Carolina Policy Year Loss On-level Factors

Section C - Historical Benefit Level Changes

Indemnity		Medical	
<u>Date</u>	<u>Benefit Level Change</u>	<u>Date</u>	<u>Benefit Level Change</u>
1/1/04	1.012	1/1/04	1.000
1/1/05	1.003	1/1/05	1.000
1/1/06	1.001	1/1/06	1.000
1/1/07	1.009	1/1/07	1.000
1/1/08	1.004	1/1/08	1.000
1/1/09	1.006	1/1/09	1.000
1/1/10	1.005	1/1/10	1.000
1/1/11	1.003	1/1/11	1.000
6/24/11 *	0.979	6/24/11 *	0.993
1/1/12	1.002	1/1/12	1.000
1/1/13	1.005	1/1/13	1.013
2/1/13	1.000	2/1/13	0.992
4/1/13	1.000	4/1/13	0.976

Section D - Factors adjusting policy year indemnity and medical losses to present benefit level

	<u>Policy Year 2012</u>	<u>Policy Year 2011</u>	<u>Policy Year 2010</u>	<u>Policy Year 2009</u>	<u>Policy Year 2008</u>	<u>Policy Year 2007</u>	<u>Policy Year 2006</u>	<u>Policy Year 2005</u>
(1) Indemnity Loss On-level Factor	1.003	1.003	0.990	0.992	0.998	1.002	1.008	1.013
(2) Medical Loss On-level Factor	0.983	0.980	0.975	0.974	0.974	0.974	0.974	0.974

\* House Bill 709.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 1(d) The filer shall provide the latest available written and earned premiums and market shares for the ten largest writers of North Carolina workers compensation insurance.

Response

See attached Exhibit 1(d).

Ten Largest Writers of Workers Compensation  
Insurance in North Carolina

	<u>Written Premium</u>	<u>Earned Premium</u>	Written Premium <u>Market Share</u>
Travelers Grp	114,973	113,304	8.5%
Hartford Fire & Casualty Group	109,629	108,553	8.1%
WR Berkley Corp Group	109,260	106,150	8.1%
Liberty Mutual Insurance Group	101,375	104,877	7.5%
Builders Mutual Group	79,196	77,645	5.8%
Zurich Insurance Group	54,021	56,353	4.0%
American International Group	47,336	47,009	3.5%
Blue Cross Blue Shield of Michigan	39,283	35,107	2.9%
Old Republic Group	34,382	34,120	2.5%
American Financial Group	32,204	29,900	2.4%

Note: The premium figures are based on calendar year 2013 Annual Statement data and shown in thousands of dollars.



11 NCAC 10.1111 – WORKERS COMPENSATION

Item

1(e) The filer shall provide the following information on losses and loss adjustment expenses:

- (i) For each of the latest three available accident and calendar years, undeveloped and untrended losses and loss adjustment expenses;
- (ii) For each accident year and policy year included in the filing, paid losses, case basis reserves, loss development, incurred allocated loss adjustment expenses (if collected separately from losses), incurred unallocated (or combined allocated and unallocated) loss adjustment expenses, applied trend factors, and trended incurred losses and loss adjustment expenses.

Response

- (i) See attached Exhibit 1(e), page 1\*.
- (ii) See attached Exhibit 1(e), page 1 for paid losses and case basis reserves.

See RB-1, Appendix A-II for loss development.

See RB-1, Exhibit II and attached Exhibit 1(e), page 2 for loss adjustment expense data\*.

See RB-1, Appendix A-III and Exhibit I for the applied trend factors and trended losses.

\* The Rate Bureau is advised by NCCI that incurred losses and loss adjustment expense data on a policy year and accident year basis by state is not regularly collected. In North Carolina, NCCI collects such data through a special Financial Call. The results are attached as Exhibit 1(e), page 2. Note that not all large companies have responded to the Call and this data has not been used in any loss cost level calculations.

### Undeveloped and untrended losses and loss adjustment expenses

#### North Carolina

<u>Year</u>	Accident Year Direct Losses <u>Incurred</u>	Accident Year Direct LAE <u>Incurred</u>	Calendar Year Direct Losses <u>Incurred</u>	Calendar Year Direct LAE <u>Incurred</u>
2011	+	+	810,491,747	129,316,164
2012	+	+	889,373,554	144,691,332
2013	+	+	796,691,272	139,454,963

### Policy year paid losses and case basis reserves

#### North Carolina

<u>Policy Year*</u>	Indemnity <u>Paid Losses</u>	Indemnity <u>Case Reserves</u>	Medical <u>Paid Losses</u>	Medical <u>Case Reserves</u>
2005	360,406,250	17,558,320	302,260,906	32,489,673
2006	369,296,347	20,028,894	302,568,182	24,211,990
2007	404,806,250	23,626,880	335,863,473	39,096,484
2008	348,510,392	27,185,088	288,079,103	28,903,259
2009	300,915,313	39,338,030	258,422,774	38,812,773
2010	272,604,634	55,594,198	259,980,298	49,748,414
2011	211,404,097	76,902,724	247,159,535	68,182,955
2012	97,499,024	101,045,358	181,015,887	120,074,460

\* PY data is valued as of 12/31/13.

+ AY incurred losses and LAE data by state is not collected in the Calendar-Accident Year Call for Experience.

North Carolina Loss Adjustment Expense Data \*

**Policy Year**

Policy Year <sup>^</sup>	Defense & Cost Containment Expense		Adjusting & Other Expense		Total LAE	
	<u>Paid</u>	<u>Unpaid</u>	<u>Paid</u>	<u>Unpaid</u>	<u>Paid</u>	<u>Unpaid</u>
2008	56,067,475	14,353,219	55,322,907	6,209,572	111,390,382	20,562,791
2009	51,064,221	16,117,640	48,053,279	8,239,332	99,117,500	24,356,972
2010	47,612,777	22,256,892	44,524,201	11,065,900	92,136,978	33,322,792
2011	43,675,765	36,793,864	39,568,012	15,393,395	83,243,777	52,187,259
2012	24,171,011	53,181,304	30,385,956	25,437,116	54,556,967	78,618,420

**Accident Year**

Accident Year <sup>^</sup>	Defense & Cost Containment Expense		Adjusting & Other Expense		Total LAE	
	<u>Paid</u>	<u>Unpaid</u>	<u>Paid</u>	<u>Unpaid</u>	<u>Paid</u>	<u>Unpaid</u>
2008	61,569,232	14,626,561	58,057,095	6,059,838	119,626,327	20,686,399
2009	49,429,011	17,288,264	53,309,992	7,556,519	102,739,003	24,844,783
2010	49,440,973	19,385,853	45,795,727	10,527,861	95,236,700	29,913,714
2011	46,465,783	29,795,913	40,333,417	13,657,570	86,799,200	43,453,483
2012	34,404,165	46,486,275	36,533,177	21,491,314	70,937,342	67,977,589
2013	10,815,095	64,270,914	23,022,954	36,031,444	33,838,049	100,302,358

**Calendar Year**

Calendar Year	Defense & Cost Containment Expense		Adjusting & Other Expense		Total LAE	
	<u>Paid</u>	<u>Unpaid</u>	<u>Paid</u>	<u>Unpaid</u>	<u>Paid</u>	<u>Unpaid</u>
2008	59,020,046	236,849,809	71,300,557	104,369,104	130,320,603	341,218,913
2009	64,392,918	245,864,767	61,713,803	114,473,909	126,106,721	360,338,676
2010	66,345,393	254,305,752	66,130,220	116,601,749	132,475,613	370,907,501
2011	64,685,342	251,007,151	65,604,747	116,140,905	130,290,089	367,148,056
2012	67,065,374	261,559,576	58,894,560	119,505,289	125,959,934	381,064,865
2013	70,074,373	266,329,422	67,484,320	125,758,557	137,558,693	392,087,979

\* Please see the response to Item 1(e).

<sup>^</sup> PY and AY data is valued as of 12/31/13.

## 11 NCAC 10.1111 – WORKERS COMPENSATION

### Item

- 2 Credibility factor development and application. The filer shall provide all information related to the derivation of all credibility factors contained in the filing, including the following:
- (a) A description of all data reviewed;
  - (b) A complete description of the methodology used to derive these factors;
  - (c) A description of alternative methodologies used in the last three years;
  - (d) A description of the criteria used to select a methodology;
  - (e) Specific details on the application of these criteria in the selection of a methodology for this filing;
  - (f) Details on the application of the methodology to this filing.

### Response

Credibility is utilized in the filing with the Workers Compensation Statistical Plan data, as described in the attached Exhibit 2 (pages 1-3) and RB-1, Appendices A-V and B-I.

The following is a memorandum regarding credibility factor development and application. The NCRB has used credibility procedures in each of the previous three loss cost/rate filings as well as in this filing.

Industry Group Differentials:

NCCI employs five industry group classifications. In some states, the volume of data in the industry groups is relatively low, potentially allowing random fluctuations to influence the industry group differentials. A credibility-weighting procedure is used to minimize such random fluctuations.

The procedure implemented essentially weights the indicated industry group change with the statewide change depending on the indemnity claim count volume in each industry group. The full credibility standard (i.e., the number of compensable claims needed for full credibility) is 12,000 lost-time claims for each industry group. This full credibility standard was also used in North Carolina filings effective 4/1/2013 and 4/1/2014. Partial credibilities are calculated using the square root of the ratio of actual compensable cases to the applicable full credibility standard.

The determined full credibility standards and the partial credibility formula were a result of NCCI's examination of the inherent variability in each industry group. These standards were chosen to moderate the effect of random fluctuations in the industry group differentials.

Pure Premium Calculation:

The workers compensation classification ratemaking methodology relies on three estimates of the class pure premiums: the indicated pure premium (based on the latest available class experience for the state), the present-on-rate level pure premium (based on the prior pure premium update by the industry group change), and the national pure premium (based on class data nationally). The final (derived by formula) pure premium is a credibility-weighted combination of these three component pure premiums.

The credibility weights are based on the volume of information used to calculate the pure premiums. Expected losses are used to measure the volume of data for a class. Expected losses for a class are calculated by taking the pure premium underlying the current loss costs, adjusting it to the proposed level, and multiplying by payroll (in hundreds). This is done separately for indemnity and medical. The volume of expected losses required for 100% credibility is as follows:

Indemnity	850 x indemnity average cost per case
Medical	400 x medical average cost per case

Note that the medical average cost per case is computed as total medical loss dollars (including medical-only) divided by the number of lost-time claims. This methodology was also used in North Carolina filings effective 4/1/2013 and 4/1/2014.

The credibility applied to the indicated pure premiums is calculated via the following state partial credibility formula:

$$\text{State Partial Credibility} = \left[ \frac{\text{Expected Losses}}{\text{Full Credibility Standard}} \right]^{0.4}$$

For the pure premiums indicated by national relativity, credibility is determined by the number of actual cases. The full credibility standards, which are based on three years of data, are as follows:

Indemnity	1,150 compensable cases
Medical	1,000 compensable cases

This methodology was also used in North Carolina filings effective 4/1/2013 and 4/1/2014.

Partial credibilities are assigned using a credibility formula similar to that used for indicated pure premiums but based on the number of cases nationally for the class code. In no instance is the national credibility permitted to exceed 50% of the complement of the state credibility.

$$\text{National Credibility} = \text{The smaller of} \\ \left[ \frac{\text{Cases Nationally}}{\text{Full Credibility Standard}} \right]^{0.4} \text{ and } \left[ \frac{(1 - \text{state credibility})}{2} \right]$$

The residual credibility (100% minus the sum of the state and national credibilities) is assigned to the present on rate level pure premiums.

An empirical study was performed to determine what full credibility standards and what partial credibility formula should be used to limit the fluctuations in the formula pure premiums.

## North Carolina

## Credibility Criteria - Policy Periods 1/1/07 to 12/31/11

	(1)	(2)	(3)	(4)
Loss Group	Lost-Time Cases	Converted Indicated Losses*	Average Cost Per Case [(2) / (1)]	Index for Credibility
Indemnity	92,898	4,171,756,258	44,907	850
Medical	92,898	4,341,445,979	46,733	400
Total		8,513,202,237		

Injury Group	(5) Converted Expected Losses**	(6) Adjustment of Indicateds to Expecteds (5) / (2)	(7) Full Standard for State Credibility (Expected Losses) [(3)x(4)]xtot(6)	(8) Full Standard for National Credibility (Lost-Time Cases)
Indemnity	3,656,311,421		32,712,504	1,150
Medical	3,639,880,618		16,020,072	1,000
Total	7,296,192,039	0.857		

State credibility exponent: 0.4

National credibility exponent: 0.4

Percentage of the complement of state credibility that the national credibility is limited to: 50%

\* These expected unlimited losses are at ultimate, on-level, trended, and include the proposed experience and loss-based expense changes as well as any miscellaneous premium adjustments.

\*\* These expected losses are payroll extended underlying pure premiums adjusted to include the proposed experience, trend, benefit and loss-based expense changes as well as any miscellaneous premium adjustments.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 3(a) The filer shall provide all information related to the derivation of all loss development factors contained in the filing, including the following:
- (i) A description of all data reviewed;
  - (ii) A complete description of the methodology used to derive these factors;
  - (iii) A description of alternative methodologies used in the last three years;
  - (iv) A description of the criteria used to select a methodology;
  - (v) Specific details on the application of these criteria in the selection of a methodology for this filing;
  - (vi) Details on the application of the methodology to this filing.

Response

- (i) See Exhibits RB-1, RB-3, and RB-5.
- (ii) See Exhibits RB-1, RB-3, and RB-5.
- (iii) The methodologies used in the previous three filings are similar to those used in the current filing except for the methodology changes described in the response to Item 10(c).
- (iv) See Exhibits RB-1, RB-3, and RB-5.
- (v) See Exhibits RB-1, RB-3, and RB-5.
- (vi) See Exhibits RB-1, RB-3, and RB-5.



11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 3(b) The filer shall provide at least the latest five available years of the aggregate loss data described in Sub-items (3)(b)(i) through (iii) of this Rule for matching companies for all pairs of successive evaluation dates. The filer shall also provide the corresponding loss development factors and five-year average factors derivable from the data.
- (i) Data on both a policy year and an accident year basis;
  - (ii) Data separated into indemnity and medical portions, as well as combined data;
  - (iii) Data separated into paid, case incurred and incurred but not reported\* portions, as well as combined data.

Response

See attached Exhibit 3(b) for all requested data.

\* The Rate Bureau is advised by NCCI that bulk and IBNR reserves are not collected on the ratemaking financial calls.

North Carolina - Paid

Policy Year Development Factors

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>1st</u>	<u>2nd</u>	<u>Dev't</u>	<u>1st</u>	<u>2nd</u>	<u>Dev't</u>	<u>1st</u>	<u>2nd</u>	<u>Dev't</u>
2007	109,025,940	225,313,155	2.067	195,104,900	260,731,497	1.336	304,130,840	486,044,652	1.598
2008	103,179,829	212,900,460	2.063	182,946,680	240,329,225	1.314	286,126,509	453,229,685	1.584
2009	97,118,560	196,500,091	2.023	166,995,776	220,742,281	1.322	264,114,336	417,242,372	1.580
2010	100,769,748	205,144,803	2.036	174,595,598	234,597,710	1.344	275,365,346	439,742,513	1.597
2011	104,413,688	211,404,097	2.025	188,904,007	247,159,535	1.308	293,317,695	458,563,632	1.563
2-yr avg			2.031			1.326			1.580
3-yr avg			2.028			1.325			1.580
4-yr avg			2.037			1.322			1.581
5-yr avg			2.043			1.325			1.584

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>2nd</u>	<u>3rd</u>	<u>Dev't</u>	<u>2nd</u>	<u>3rd</u>	<u>Dev't</u>	<u>2nd</u>	<u>3rd</u>	<u>Dev't</u>
2006	197,802,549	275,524,121	1.393	242,428,192	271,724,256	1.121	440,230,741	547,248,377	1.243
2007	225,331,220	307,531,926	1.365	260,731,497	290,385,203	1.114	486,062,717	597,917,129	1.230
2008	212,357,541	280,118,332	1.319	239,717,186	264,681,448	1.104	452,074,727	544,799,780	1.205
2009	196,428,548	261,697,050	1.332	220,515,334	243,006,438	1.102	416,943,882	504,703,488	1.210
2010	205,144,803	272,604,634	1.329	234,597,710	259,980,298	1.108	439,742,513	532,584,932	1.211
2-yr avg			1.331			1.105			1.211
3-yr avg			1.327			1.105			1.209
4-yr avg			1.336			1.107			1.214
5-yr avg			1.348			1.110			1.220

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>3rd</u>	<u>4th</u>	<u>Dev't</u>	<u>3rd</u>	<u>4th</u>	<u>Dev't</u>	<u>3rd</u>	<u>4th</u>	<u>Dev't</u>
2005	267,952,246	311,963,635	1.164	264,032,444	280,567,924	1.063	531,984,690	592,531,559	1.114
2006	274,393,848	320,715,538	1.169	270,575,650	285,796,339	1.056	544,969,498	606,511,877	1.113
2007	307,531,926	356,952,109	1.161	290,385,203	310,251,847	1.068	597,917,129	667,203,956	1.116
2008	280,096,765	322,708,578	1.152	264,445,223	278,412,329	1.053	544,541,988	601,120,907	1.104
2009	261,697,050	300,915,313	1.150	243,006,438	258,422,774	1.063	504,703,488	559,338,087	1.108
2-yr avg			1.151			1.058			1.106
3-yr avg			1.154			1.061			1.109
4-yr avg			1.158			1.060			1.110
5-yr avg			1.159			1.061			1.111

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>4th</u>	<u>5th</u>	<u>Dev't</u>	<u>4th</u>	<u>5th</u>	<u>Dev't</u>	<u>4th</u>	<u>5th</u>	<u>Dev't</u>
2004	305,401,391	330,720,251	1.083	267,869,707	282,294,699	1.054	573,271,098	613,014,950	1.069
2005	308,944,771	332,740,785	1.077	278,542,340	289,591,278	1.040	587,487,111	622,332,063	1.059
2006	320,758,241	350,738,936	1.093	285,796,339	298,453,046	1.044	606,554,580	649,191,982	1.070
2007	356,657,972	384,834,364	1.079	309,973,267	323,111,196	1.042	666,631,239	707,945,560	1.062
2008	322,708,578	348,510,392	1.080	278,412,329	288,079,103	1.035	601,120,907	636,589,495	1.059
2-yr avg			1.080			1.039			1.061
3-yr avg			1.084			1.040			1.064
4-yr avg			1.082			1.040			1.063
5-yr avg			1.082			1.043			1.064

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>5th</u>	<u>6th</u>	<u>Dev't</u>	<u>5th</u>	<u>6th</u>	<u>Dev't</u>	<u>5th</u>	<u>6th</u>	<u>Dev't</u>
2003	301,207,724	317,645,090	1.055	237,137,674	243,625,715	1.027	538,345,398	561,270,805	1.043
2004	327,764,468	340,323,081	1.038	280,269,656	287,102,616	1.024	608,034,124	627,425,697	1.032
2005	332,740,785	353,408,335	1.062	289,591,278	298,462,806	1.031	622,332,063	651,871,141	1.047
2006	343,402,740	359,930,453	1.048	291,749,849	299,081,278	1.025	635,152,589	659,011,731	1.038
2007	384,038,106	404,808,254	1.054	322,045,912	335,865,536	1.043	706,084,018	740,673,790	1.049
2-yr avg			1.051			1.034			1.044
3-yr avg			1.055			1.033			1.045
4-yr avg			1.051			1.031			1.042
5-yr avg			1.051			1.030			1.042

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>6th</u>	<u>7th</u>	<u>Dev't</u>	<u>6th</u>	<u>7th</u>	<u>Dev't</u>	<u>6th</u>	<u>7th</u>	<u>Dev't</u>
2002	290,353,003	298,852,134	1.029	221,578,763	224,605,617	1.014	511,931,766	523,457,751	1.023
2003	315,787,617	325,950,220	1.032	242,243,186	247,225,972	1.021	558,030,803	573,176,192	1.027
2004	340,323,081	351,498,872	1.033	281,718,617	291,241,434	1.034	622,041,698	642,740,306	1.033
2005	344,059,746	357,225,336	1.038	291,132,530	299,450,947	1.029	635,192,276	656,676,283	1.034
2006	357,845,489	369,296,347	1.032	297,606,036	302,568,182	1.017	655,451,525	671,864,529	1.025
2-yr avg			1.035			1.023			1.030
3-yr avg			1.034			1.027			1.031
4-yr avg			1.034			1.025			1.030
5-yr avg			1.033			1.023			1.028

North Carolina - Paid

Policy Year Development Factors, Continued

Indemnity Losses				Medical Losses			Total Losses		
<u>PY</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>
2001	289,393,349	295,161,613	1.020	207,141,615	210,384,135	1.016	496,534,964	505,545,748	1.018
2002	295,474,347	300,284,473	1.016	221,842,437	226,474,281	1.021	517,316,784	526,758,754	1.018
2003	324,136,799	331,009,067	1.021	246,223,074	249,975,135	1.015	570,359,873	580,984,202	1.019
2004	343,200,553	351,409,692	1.024	288,814,495	293,958,632	1.018	632,015,048	645,368,324	1.021
2005	352,578,741	360,406,250	1.022	296,022,301	302,260,906	1.021	648,601,042	662,667,156	1.022
2-yr avg			1.023			1.020			1.022
3-yr avg			1.022			1.018			1.021
4-yr avg			1.021			1.019			1.020
5-yr avg			1.021			1.018			1.020

  

Indemnity Losses				Medical Losses			Total Losses		
<u>PY</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>
2000	280,694,116	284,378,128	1.013	204,731,941	207,866,580	1.015	485,426,057	492,244,708	1.014
2001	288,888,825	292,899,978	1.014	205,219,444	208,312,060	1.015	494,108,269	501,212,038	1.014
2002	297,400,216	301,159,680	1.013	224,759,776	229,306,645	1.020	522,159,992	530,466,325	1.016
2003	327,699,601	331,363,870	1.011	247,816,733	250,316,616	1.010	575,516,334	581,680,486	1.011
2004	345,409,165	354,163,275	1.025	288,629,099	295,554,216	1.024	634,038,264	649,717,491	1.025
2-yr avg			1.018			1.017			1.018
3-yr avg			1.016			1.018			1.017
4-yr avg			1.016			1.017			1.017
5-yr avg			1.015			1.017			1.016

  

Indemnity Losses				Medical Losses			Total Losses		
<u>PY</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>
1999	277,517,666	281,275,429	1.014	197,105,674	200,140,277	1.015	474,623,340	481,415,706	1.014
2000	274,080,475	276,086,134	1.007	201,475,783	204,475,989	1.015	475,556,258	480,562,123	1.011
2001	291,308,984	293,860,766	1.009	207,471,551	209,084,268	1.008	498,780,535	502,945,034	1.008
2002	295,709,616	300,785,508	1.017	225,381,593	229,129,328	1.017	521,091,209	529,914,836	1.017
2003	324,450,241	328,013,827	1.011	245,578,152	248,948,617	1.014	570,028,393	576,962,444	1.012
2-yr avg			1.014			1.016			1.015
3-yr avg			1.012			1.013			1.012
4-yr avg			1.011			1.014			1.012
5-yr avg			1.012			1.014			1.012

  

Indemnity Losses				Medical Losses			Total Losses		
<u>PY</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>
1998	263,215,138	265,372,338	1.008	197,151,912	198,861,923	1.009	460,367,050	464,234,261	1.008
1999	272,177,577	274,287,919	1.008	193,210,359	194,963,365	1.009	465,387,936	469,251,284	1.008
2000	276,048,835	278,142,924	1.008	204,474,342	206,787,384	1.011	480,523,177	484,930,308	1.009
2001	285,350,793	287,888,445	1.009	204,110,326	207,429,338	1.016	489,461,119	495,317,783	1.012
2002	299,708,810	302,222,161	1.008	228,380,972	231,899,660	1.015	528,089,782	534,121,821	1.011
2-yr avg			1.009			1.016			1.012
3-yr avg			1.008			1.014			1.011
4-yr avg			1.008			1.013			1.010
5-yr avg			1.008			1.012			1.010

  

Indemnity Losses				Medical Losses			Total Losses		
<u>PY</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>
1997	174,350,946	175,038,842	1.004	130,193,736	131,091,928	1.007	304,544,682	306,130,770	1.005
1998	254,918,989	256,105,986	1.005	190,153,730	191,865,749	1.009	445,072,719	447,971,735	1.007
1999	273,691,130	276,107,191	1.009	194,426,469	196,808,560	1.012	468,117,599	472,915,751	1.010
2000	273,476,869	275,453,456	1.007	203,759,275	205,914,873	1.011	477,236,144	481,368,329	1.009
2001	280,579,696	282,487,242	1.007	204,263,954	205,957,182	1.008	484,843,650	488,444,424	1.007
2-yr avg			1.007			1.010			1.008
3-yr avg			1.008			1.010			1.009
4-yr avg			1.007			1.010			1.008
5-yr avg			1.006			1.009			1.008

  

Indemnity Losses				Medical Losses			Total Losses		
<u>PY</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>
1996	144,043,524	144,890,280	1.006	112,455,445	113,155,581	1.006	256,498,969	258,045,861	1.006
1997	166,627,460	167,258,874	1.004	124,469,175	125,165,972	1.006	291,096,635	292,424,846	1.005
1998	255,776,462	257,410,141	1.006	191,378,464	193,043,614	1.009	447,154,926	450,453,755	1.007
1999	271,352,138	274,032,949	1.010	194,266,707	196,710,632	1.013	465,618,845	470,743,581	1.011
2000	272,745,296	274,118,482	1.005	204,320,593	206,309,081	1.010	477,065,889	480,427,563	1.007
2-yr avg			1.008			1.012			1.009
3-yr avg			1.007			1.011			1.008
4-yr avg			1.006			1.010			1.008
5-yr avg			1.006			1.009			1.007

North Carolina - Paid

Policy Year Development Factors, Continued

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>13th</u>	<u>14th</u>	<u>Dev't</u>	<u>13th</u>	<u>14th</u>	<u>Dev't</u>	<u>13th</u>	<u>14th</u>	<u>Dev't</u>
1995	122,920,708	123,152,784	1.002	104,447,204	104,885,664	1.004	227,367,912	228,038,448	1.003
1996	140,502,287	141,141,813	1.005	108,510,855	110,410,854	1.018	249,013,142	251,552,667	1.010
1997	166,733,517	167,186,805	1.003	124,742,066	125,403,436	1.005	291,475,583	292,590,241	1.004
1998	255,103,204	255,609,030	1.002	191,425,737	192,430,064	1.005	446,528,941	448,039,094	1.003
1999	271,811,094	273,420,606	1.006	195,308,142	197,534,733	1.011	467,119,236	470,955,339	1.008
2-yr avg			1.004			1.008			1.006
3-yr avg			1.004			1.007			1.005
4-yr avg			1.004			1.010			1.006
5-yr avg			1.004			1.009			1.006

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>14th</u>	<u>15th</u>	<u>Dev't</u>	<u>14th</u>	<u>15th</u>	<u>Dev't</u>	<u>14th</u>	<u>15th</u>	<u>Dev't</u>
1994	121,584,517	121,818,647	1.002	97,239,714	97,654,172	1.004	218,824,231	219,472,819	1.003
1995	119,696,990	119,827,853	1.001	101,677,800	102,081,945	1.004	221,374,790	221,909,798	1.002
1996	140,654,690	140,981,069	1.002	110,193,821	110,709,978	1.005	250,848,511	251,691,047	1.003
1997	165,148,309	165,422,799	1.002	124,145,181	124,902,546	1.006	289,293,490	290,325,345	1.004
1998	255,319,365	257,166,652	1.007	192,226,246	193,864,469	1.009	447,545,611	451,031,121	1.008
2-yr avg			1.005			1.008			1.006
3-yr avg			1.004			1.007			1.005
4-yr avg			1.003			1.006			1.004
5-yr avg			1.003			1.006			1.004

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>15th</u>	<u>16th</u>	<u>Dev't</u>	<u>15th</u>	<u>16th</u>	<u>Dev't</u>	<u>15th</u>	<u>16th</u>	<u>Dev't</u>
1993	149,601,069	150,051,064	1.003	129,643,986	130,072,121	1.003	279,245,055	280,123,185	1.003
1994	120,141,978	120,486,770	1.003	96,021,934	96,320,981	1.003	216,163,912	216,807,751	1.003
1995	119,651,812	119,780,706	1.001	101,977,512	102,504,118	1.005	221,629,324	222,284,824	1.003
1996	138,816,342	139,109,711	1.002	109,807,266	110,393,968	1.005	248,623,608	249,503,679	1.004
1997	164,811,911	165,602,877	1.005	124,399,896	125,673,937	1.010	289,211,807	291,276,814	1.007
2-yr avg			1.004			1.008			1.006
3-yr avg			1.003			1.007			1.005
4-yr avg			1.003			1.006			1.004
5-yr avg			1.003			1.005			1.004

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>16th</u>	<u>17th</u>	<u>Dev't</u>	<u>16th</u>	<u>17th</u>	<u>Dev't</u>	<u>16th</u>	<u>17th</u>	<u>Dev't</u>
1992	183,595,272	184,143,897	1.003	161,367,400	162,250,576	1.005	344,962,672	346,394,473	1.004
1993	149,317,354	150,056,084	1.005	129,480,645	130,495,419	1.008	278,797,999	280,551,503	1.006
1994	120,483,719	120,646,316	1.001	96,320,291	96,531,373	1.002	216,804,010	217,177,689	1.002
1995	119,649,843	119,781,712	1.001	102,265,784	102,714,006	1.004	221,915,627	222,495,718	1.003
1996	139,109,711	139,542,107	1.003	110,393,968	111,236,612	1.008	249,503,679	250,778,719	1.005
2-yr avg			1.002			1.006			1.004
3-yr avg			1.002			1.005			1.003
4-yr avg			1.003			1.006			1.004
5-yr avg			1.003			1.005			1.004

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>17th</u>	<u>18th</u>	<u>Dev't</u>	<u>17th</u>	<u>18th</u>	<u>Dev't</u>	<u>17th</u>	<u>18th</u>	<u>Dev't</u>
1991	241,835,984	242,796,984	1.004	203,936,390	205,573,730	1.008	445,772,374	448,370,714	1.006
1992	183,582,060	183,992,062	1.002	162,019,773	162,683,324	1.004	345,601,833	346,675,386	1.003
1993	150,056,084	150,559,927	1.003	130,495,419	132,013,521	1.012	280,551,503	282,573,448	1.007
1994	120,619,841	120,823,964	1.002	96,504,835	96,746,964	1.003	217,124,676	217,570,928	1.002
1995	119,781,712	119,904,624	1.001	102,714,006	102,999,685	1.003	222,495,718	222,904,309	1.002
2-yr avg			1.002			1.003			1.002
3-yr avg			1.002			1.006			1.004
4-yr avg			1.002			1.006			1.004
5-yr avg			1.002			1.006			1.004

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>18th</u>	<u>19th</u>	<u>Dev't</u>	<u>18th</u>	<u>19th</u>	<u>Dev't</u>	<u>18th</u>	<u>19th</u>	<u>Dev't</u>
1990	254,465,733	255,236,620	1.003	199,047,491	199,870,667	1.004	453,513,224	455,107,287	1.004
1991	242,695,493	243,849,235	1.005	205,422,861	207,144,363	1.008	448,118,354	450,993,598	1.006
1992	183,992,062	184,363,649	1.002	162,683,324	163,186,404	1.003	346,675,386	347,550,053	1.003
1993	150,571,892	150,653,846	1.001	132,047,252	132,280,860	1.002	282,619,144	282,934,706	1.001
1994	120,823,964	121,055,930	1.002	96,746,964	96,917,755	1.002	217,570,928	217,973,685	1.002
2-yr avg			1.002			1.002			1.002
3-yr avg			1.002			1.002			1.002
4-yr avg			1.003			1.004			1.003
5-yr avg			1.003			1.004			1.003

North Carolina - Paid+Case  
Policy Year Development Factors

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>1st</u>	<u>2nd</u>	<u>Dev't</u>	<u>1st</u>	<u>2nd</u>	<u>Dev't</u>	<u>1st</u>	<u>2nd</u>	<u>Dev't</u>
2007	234,748,394	332,508,714	1.416	301,737,231	332,650,726	1.102	536,485,625	665,159,440	1.240
2008	219,372,926	302,192,557	1.378	287,973,706	309,812,659	1.076	507,346,632	612,005,216	1.206
2009	205,017,023	282,272,513	1.377	257,270,728	279,994,364	1.088	462,287,751	562,266,877	1.216
2010	212,163,865	290,425,187	1.369	277,307,680	295,288,418	1.065	489,471,545	585,713,605	1.197
2011	217,923,214	288,306,821	1.323	306,729,188	315,342,490	1.028	524,652,402	603,649,311	1.151
2-yr avg			1.346			1.047			1.174
3-yr avg			1.356			1.060			1.188
4-yr avg			1.362			1.064			1.193
5-yr avg			1.373			1.072			1.202

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>2nd</u>	<u>3rd</u>	<u>Dev't</u>	<u>2nd</u>	<u>3rd</u>	<u>Dev't</u>	<u>2nd</u>	<u>3rd</u>	<u>Dev't</u>
2006	294,049,833	351,100,516	1.194	315,428,124	329,091,279	1.043	609,477,957	680,191,795	1.116
2007	332,527,279	385,731,100	1.160	333,347,765	348,619,082	1.046	665,875,044	734,350,182	1.103
2008	301,598,452	345,742,364	1.146	309,185,536	308,384,786	0.997	610,783,988	654,127,150	1.071
2009	282,198,062	321,572,434	1.140	279,758,864	288,985,298	1.033	561,956,926	610,557,732	1.086
2010	290,425,187	328,198,832	1.130	295,288,418	309,728,712	1.049	585,713,605	637,927,544	1.089
2-yr avg			1.135			1.041			1.088
3-yr avg			1.139			1.026			1.082
4-yr avg			1.144			1.031			1.087
5-yr avg			1.154			1.034			1.093

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>3rd</u>	<u>4th</u>	<u>Dev't</u>	<u>3rd</u>	<u>4th</u>	<u>Dev't</u>	<u>3rd</u>	<u>4th</u>	<u>Dev't</u>
2005	342,301,876	365,376,168	1.067	315,022,031	321,496,038	1.021	657,323,907	686,872,206	1.045
2006	349,826,050	373,142,736	1.067	328,028,617	326,743,670	0.996	677,854,667	699,886,406	1.033
2007	385,731,100	411,859,883	1.068	348,619,082	368,437,747	1.057	734,350,182	780,297,630	1.063
2008	345,720,840	369,822,799	1.070	308,148,571	316,135,217	1.026	653,869,411	685,958,016	1.049
2009	321,572,434	340,253,343	1.058	288,985,298	297,235,547	1.029	610,557,732	637,488,890	1.044
2-yr avg			1.064			1.028			1.047
3-yr avg			1.065			1.037			1.052
4-yr avg			1.066			1.027			1.047
5-yr avg			1.066			1.026			1.047

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>4th</u>	<u>5th</u>	<u>Dev't</u>	<u>4th</u>	<u>5th</u>	<u>Dev't</u>	<u>4th</u>	<u>5th</u>	<u>Dev't</u>
2004	353,413,568	369,213,210	1.045	316,205,906	325,983,522	1.031	669,619,474	695,196,732	1.038
2005	362,052,884	374,754,311	1.035	319,749,384	328,725,602	1.028	681,802,268	703,479,913	1.032
2006	373,185,439	387,290,844	1.038	326,743,670	332,319,272	1.017	699,929,109	719,610,116	1.028
2007	411,565,747	422,023,084	1.025	368,159,231	375,371,256	1.020	779,724,978	797,394,340	1.023
2008	369,822,799	375,695,480	1.016	316,135,217	316,982,362	1.003	685,958,016	692,677,842	1.010
2-yr avg			1.021			1.012			1.017
3-yr avg			1.026			1.013			1.020
4-yr avg			1.029			1.017			1.023
5-yr avg			1.032			1.020			1.026

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>5th</u>	<u>6th</u>	<u>Dev't</u>	<u>5th</u>	<u>6th</u>	<u>Dev't</u>	<u>5th</u>	<u>6th</u>	<u>Dev't</u>
2003	338,233,640	345,629,916	1.022	271,545,067	274,661,055	1.011	609,778,707	620,290,971	1.017
2004	366,152,267	372,734,566	1.018	323,560,204	329,034,216	1.017	689,712,471	701,768,782	1.017
2005	374,754,311	386,126,938	1.030	328,725,602	338,801,030	1.031	703,479,913	724,927,968	1.030
2006	379,669,954	387,771,288	1.021	325,380,712	326,032,720	1.002	705,050,666	713,804,008	1.012
2007	421,226,826	428,435,134	1.017	374,305,972	374,962,020	1.002	795,532,798	803,397,154	1.010
2-yr avg			1.019			1.002			1.011
3-yr avg			1.023			1.012			1.017
4-yr avg			1.022			1.013			1.017
5-yr avg			1.022			1.013			1.017

  

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>6th</u>	<u>7th</u>	<u>Dev't</u>	<u>6th</u>	<u>7th</u>	<u>Dev't</u>	<u>6th</u>	<u>7th</u>	<u>Dev't</u>
2002	315,401,936	318,971,640	1.011	251,138,791	249,916,292	0.995	566,540,727	568,887,932	1.004
2003	343,772,251	348,094,803	1.013	273,312,827	277,482,393	1.015	617,085,078	625,577,196	1.014
2004	372,734,566	378,115,013	1.014	323,557,086	329,670,906	1.019	696,291,652	707,785,919	1.017
2005	376,365,855	379,265,169	1.008	330,841,475	336,549,849	1.017	707,207,330	715,815,018	1.012
2006	385,191,666	389,325,241	1.011	324,411,530	326,780,172	1.007	709,603,196	716,105,413	1.009
2-yr avg			1.010			1.012			1.011
3-yr avg			1.011			1.014			1.013
4-yr avg			1.012			1.015			1.013
5-yr avg			1.011			1.011			1.011

North Carolina - Paid+Case

Policy Year Development Factors, Continued

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>
2001	308,445,019	310,412,800	1.006	226,023,434	225,114,939	0.996	534,468,453	535,527,739	1.002
2002	315,251,091	318,042,109	1.009	247,342,639	254,993,343	1.031	562,593,730	573,035,452	1.019
2003	346,281,382	349,686,221	1.010	276,479,495	278,533,604	1.007	622,760,877	628,219,825	1.009
2004	369,491,427	372,382,755	1.008	327,281,783	331,501,931	1.013	696,773,210	703,884,686	1.010
2005	374,295,276	377,964,570	1.010	332,766,822	334,750,579	1.006	707,062,098	712,715,149	1.008
2-yr avg			1.009			1.010			1.009
3-yr avg			1.009			1.009			1.009
4-yr avg			1.009			1.014			1.012
5-yr avg			1.009			1.011			1.010
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>
2000	294,454,809	296,013,904	1.005	224,600,063	227,064,120	1.011	519,054,872	523,078,024	1.008
2001	303,999,348	305,145,770	1.004	219,881,477	223,548,662	1.017	523,880,825	528,694,432	1.009
2002	314,851,521	317,314,702	1.008	252,715,707	257,699,181	1.020	567,567,228	575,013,883	1.013
2003	346,175,833	347,420,756	1.004	275,845,288	276,947,415	1.004	622,021,121	624,368,171	1.004
2004	366,334,562	367,617,464	1.004	325,966,045	324,936,482	0.997	692,300,607	692,553,946	1.000
2-yr avg			1.004			1.001			1.002
3-yr avg			1.005			1.007			1.006
4-yr avg			1.005			1.010			1.007
5-yr avg			1.005			1.010			1.007
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>
1999	291,976,647	293,655,616	1.006	217,718,630	222,619,317	1.023	509,695,277	516,274,933	1.013
2000	285,179,175	285,737,498	1.002	220,453,929	221,719,852	1.006	505,633,104	507,457,350	1.004
2001	303,554,776	304,349,282	1.003	222,708,153	228,804,525	1.027	526,262,929	533,153,807	1.013
2002	311,564,246	312,067,389	1.002	253,756,604	252,573,828	0.995	565,320,850	564,641,217	0.999
2003	339,851,531	340,487,570	1.002	271,137,783	273,522,134	1.009	610,989,314	614,009,704	1.005
2-yr avg			1.002			1.002			1.002
3-yr avg			1.002			1.010			1.006
4-yr avg			1.002			1.009			1.005
5-yr avg			1.003			1.012			1.007
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>
1998	271,709,071	272,760,530	1.004	210,625,662	211,527,747	1.004	482,334,733	484,288,277	1.004
1999	284,365,269	284,578,503	1.001	215,648,223	215,286,430	0.998	500,013,492	499,864,933	1.000
2000	285,700,199	287,013,361	1.005	221,718,205	224,197,517	1.011	507,418,404	511,210,878	1.007
2001	295,739,848	296,218,829	1.002	223,717,255	225,604,522	1.008	519,457,103	521,823,351	1.005
2002	310,990,691	312,559,533	1.005	251,821,692	256,113,305	1.017	562,812,383	568,672,838	1.010
2-yr avg			1.004			1.013			1.008
3-yr avg			1.004			1.012			1.007
4-yr avg			1.003			1.009			1.006
5-yr avg			1.003			1.008			1.005
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>
1997	179,227,625	179,297,971	1.000	136,779,103	139,032,912	1.016	316,006,728	318,330,883	1.007
1998	262,138,118	262,961,005	1.003	202,677,515	205,107,910	1.012	464,815,633	468,068,915	1.007
1999	283,981,714	286,064,756	1.007	214,749,534	215,323,360	1.003	498,731,248	501,388,116	1.005
2000	282,063,028	282,174,683	1.000	221,085,733	221,676,457	1.003	503,148,761	503,851,140	1.001
2001	288,900,668	289,637,132	1.003	222,437,248	223,587,349	1.005	511,337,916	513,224,481	1.004
2-yr avg			1.002			1.004			1.003
3-yr avg			1.003			1.004			1.003
4-yr avg			1.003			1.006			1.004
5-yr avg			1.003			1.008			1.005
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>
1996	147,957,389	148,713,474	1.005	121,552,929	121,644,139	1.001	269,510,318	270,357,613	1.003
1997	170,690,135	171,643,358	1.006	132,443,116	133,627,657	1.009	303,133,251	305,271,015	1.007
1998	262,631,481	263,763,557	1.004	204,620,625	202,711,056	0.991	467,252,106	466,474,613	0.998
1999	281,305,928	282,055,412	1.003	212,753,615	214,153,016	1.007	494,059,543	496,208,428	1.004
2000	279,395,744	280,551,392	1.004	220,042,100	220,736,748	1.003	499,437,844	501,288,140	1.004
2-yr avg			1.004			1.005			1.004
3-yr avg			1.004			1.000			1.002
4-yr avg			1.004			1.003			1.003
5-yr avg			1.004			1.002			1.003

North Carolina - Paid+Case

Policy Year Development Factors, Continued

Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>13th</u>	<u>14th</u>	<u>Dev't</u>	<u>13th</u>	<u>14th</u>	<u>Dev't</u>	<u>13th</u>	<u>14th</u>	<u>Dev't</u>
1995	124,197,961	124,785,437	1.005	108,939,187	109,754,977	1.007	233,137,148	234,540,414	1.006
1996	144,282,651	144,225,112	1.000	116,462,639	117,081,059	1.005	260,745,290	261,306,171	1.002
1997	171,108,000	171,128,865	1.000	133,203,751	133,699,256	1.004	304,311,751	304,828,121	1.002
1998	261,389,066	261,500,067	1.000	200,874,629	202,115,561	1.006	462,263,695	463,615,628	1.003
1999	279,833,557	280,128,531	1.001	212,746,445	215,618,616	1.014	492,580,002	495,747,147	1.006
2-yr avg			1.001			1.010			1.005
3-yr avg			1.000			1.008			1.004
4-yr avg			1.000			1.007			1.003
5-yr avg			1.001			1.007			1.004
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>14th</u>	<u>15th</u>	<u>Dev't</u>	<u>14th</u>	<u>15th</u>	<u>Dev't</u>	<u>14th</u>	<u>15th</u>	<u>Dev't</u>
1994	123,457,605	123,418,173	1.000	99,370,182	99,910,522	1.005	222,827,787	223,328,695	1.002
1995	121,327,097	121,326,687	1.000	106,655,559	106,603,992	1.000	227,982,656	227,930,679	1.000
1996	143,737,989	143,655,048	0.999	116,864,026	117,066,674	1.002	260,602,015	260,721,722	1.000
1997	169,085,370	169,455,233	1.002	132,431,952	134,003,488	1.012	301,517,322	303,458,721	1.006
1998	261,210,402	261,734,374	1.002	201,911,743	200,946,207	0.995	463,122,145	462,680,581	0.999
2-yr avg			1.002			1.004			1.003
3-yr avg			1.001			1.003			1.002
4-yr avg			1.001			1.002			1.001
5-yr avg			1.001			1.003			1.001
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>15th</u>	<u>16th</u>	<u>Dev't</u>	<u>15th</u>	<u>16th</u>	<u>Dev't</u>	<u>15th</u>	<u>16th</u>	<u>Dev't</u>
1993	152,940,333	152,888,272	1.000	137,923,688	137,693,833	0.998	290,864,021	290,582,105	0.999
1994	121,741,504	121,916,355	1.001	98,278,284	99,572,881	1.013	220,019,788	221,489,236	1.007
1995	121,150,646	121,253,136	1.001	106,499,559	108,031,816	1.014	227,650,205	229,284,952	1.007
1996	141,490,322	141,636,171	1.001	116,163,963	116,380,146	1.002	257,654,285	258,016,317	1.001
1997	168,736,840	168,975,893	1.001	133,494,338	133,694,384	1.001	302,231,178	302,670,277	1.001
2-yr avg			1.001			1.002			1.001
3-yr avg			1.001			1.006			1.003
4-yr avg			1.001			1.008			1.004
5-yr avg			1.001			1.006			1.003
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>16th</u>	<u>17th</u>	<u>Dev't</u>	<u>16th</u>	<u>17th</u>	<u>Dev't</u>	<u>16th</u>	<u>17th</u>	<u>Dev't</u>
1992	186,916,254	187,022,175	1.001	172,791,260	168,625,191	0.976	359,707,514	355,647,366	0.989
1993	152,154,562	152,180,357	1.000	137,470,887	136,094,363	0.990	289,625,449	288,274,720	0.995
1994	121,913,304	121,866,513	1.000	99,572,191	99,498,276	0.999	221,485,495	221,364,789	0.999
1995	121,122,273	121,304,172	1.002	107,793,482	107,498,119	0.997	228,915,755	228,802,291	1.000
1996	141,636,171	141,611,661	1.000	116,380,146	116,500,707	1.001	258,016,317	258,112,368	1.000
2-yr avg			1.001			0.999			1.000
3-yr avg			1.001			0.999			1.000
4-yr avg			1.001			0.997			0.999
5-yr avg			1.001			0.993			0.997
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>17th</u>	<u>18th</u>	<u>Dev't</u>	<u>17th</u>	<u>18th</u>	<u>Dev't</u>	<u>17th</u>	<u>18th</u>	<u>Dev't</u>
1991	248,394,051	248,632,050	1.001	219,160,178	219,006,435	0.999	467,554,229	467,638,485	1.000
1992	186,460,338	186,787,011	1.002	168,603,773	169,376,837	1.005	355,064,111	356,163,848	1.003
1993	152,180,357	152,236,320	1.000	136,094,363	136,020,608	0.999	288,274,720	288,256,928	1.000
1994	121,840,038	121,930,011	1.001	99,471,738	98,836,518	0.994	221,311,776	220,766,529	0.998
1995	121,304,172	121,259,076	1.000	107,498,119	107,484,803	1.000	228,802,291	228,743,879	1.000
2-yr avg			1.001			0.997			0.999
3-yr avg			1.000			0.998			0.999
4-yr avg			1.001			1.000			1.000
5-yr avg			1.001			0.999			1.000
Indemnity Losses			Medical Losses			Total Losses			
<u>PY</u>	<u>18th</u>	<u>19th</u>	<u>Dev't</u>	<u>18th</u>	<u>19th</u>	<u>Dev't</u>	<u>18th</u>	<u>19th</u>	<u>Dev't</u>
1990	259,362,608	259,378,487	1.000	211,540,031	211,866,998	1.002	470,902,639	471,245,485	1.001
1991	248,530,559	248,552,463	1.000	219,342,818	220,188,094	1.004	467,873,377	468,740,557	1.002
1992	186,787,011	186,790,766	1.000	169,376,837	168,713,624	0.996	356,163,848	355,504,390	0.998
1993	152,248,285	152,036,981	0.999	136,054,339	136,128,192	1.001	288,302,624	288,165,173	1.000
1994	121,930,011	122,013,159	1.001	98,836,518	99,119,205	1.003	220,766,529	221,132,364	1.002
2-yr avg			1.000			1.002			1.001
3-yr avg			1.000			1.000			1.000
4-yr avg			1.000			1.001			1.001
5-yr avg			1.000			1.001			1.001

North Carolina - Paid

Accident Year Development Factors

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>1st</u>	<u>2nd</u>	<u>Dev't</u>	<u>1st</u>	<u>2nd</u>	<u>Dev't</u>	<u>1st</u>	<u>2nd</u>	<u>Dev't</u>
2008	43,759,179	162,634,385	3.717	114,588,468	229,963,714	2.007	158,347,647	392,598,099	2.479
2009	38,011,217	145,716,094	3.834	102,378,214	205,721,545	2.009	140,389,431	351,437,639	2.503
2010	39,061,292	147,655,598	3.780	101,040,115	205,145,341	2.030	140,101,407	352,800,939	2.518
2011	39,396,558	153,539,387	3.897	106,703,347	221,237,748	2.073	146,099,905	374,777,135	2.565
2012	38,802,144	154,300,798	3.977	106,863,374	218,958,314	2.049	145,665,518	373,259,112	2.562
2-yr avg			3.937			2.061			2.564
3-yr avg			3.885			2.051			2.548
4-yr avg			3.872			2.040			2.537
5-yr avg			3.841			2.034			2.525

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>2nd</u>	<u>3rd</u>	<u>Dev't</u>	<u>2nd</u>	<u>3rd</u>	<u>Dev't</u>	<u>2nd</u>	<u>3rd</u>	<u>Dev't</u>
2007	152,772,004	252,647,329	1.654	226,985,282	267,270,487	1.177	379,757,286	519,917,816	1.369
2008	162,634,385	270,309,000	1.662	229,962,279	269,947,630	1.174	392,596,664	540,256,630	1.376
2009	145,152,596	230,245,596	1.586	205,185,774	239,594,224	1.168	350,338,370	469,839,820	1.341
2010	147,389,043	235,172,196	1.596	204,611,488	241,916,311	1.182	352,000,531	477,088,507	1.355
2011	153,539,387	239,625,272	1.561	221,237,748	256,646,047	1.160	374,777,135	496,271,319	1.324
2-yr avg			1.579			1.171			1.340
3-yr avg			1.581			1.170			1.340
4-yr avg			1.601			1.171			1.349
5-yr avg			1.612			1.172			1.353

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>3rd</u>	<u>4th</u>	<u>Dev't</u>	<u>3rd</u>	<u>4th</u>	<u>Dev't</u>	<u>3rd</u>	<u>4th</u>	<u>Dev't</u>
2006	229,383,679	289,970,703	1.264	248,941,207	271,550,378	1.091	478,324,886	561,521,081	1.174
2007	252,647,329	311,137,264	1.232	267,270,487	287,717,174	1.077	519,917,816	598,854,438	1.152
2008	269,929,025	329,088,139	1.219	269,543,101	291,171,859	1.080	539,472,126	620,259,998	1.150
2009	230,201,397	281,805,514	1.224	239,322,115	257,141,229	1.074	469,523,512	538,946,743	1.148
2010	235,172,196	288,164,964	1.225	241,916,311	261,845,621	1.082	477,088,507	550,010,585	1.153
2-yr avg			1.225			1.078			1.151
3-yr avg			1.223			1.079			1.150
4-yr avg			1.225			1.078			1.151
5-yr avg			1.233			1.081			1.155

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>4th</u>	<u>5th</u>	<u>Dev't</u>	<u>4th</u>	<u>5th</u>	<u>Dev't</u>	<u>4th</u>	<u>5th</u>	<u>Dev't</u>
2005	289,494,653	325,047,860	1.123	278,527,678	295,417,746	1.061	568,022,331	620,465,606	1.092
2006	288,443,759	324,197,503	1.124	270,224,607	282,391,581	1.045	558,668,366	606,589,084	1.086
2007	311,180,996	350,965,460	1.128	287,717,174	305,437,807	1.062	598,898,170	656,403,267	1.096
2008	329,071,167	369,221,723	1.122	290,933,646	304,137,260	1.045	620,004,813	673,358,983	1.086
2009	281,805,514	312,746,604	1.110	257,141,229	269,832,609	1.049	538,946,743	582,579,213	1.081
2-yr avg			1.116			1.047			1.084
3-yr avg			1.120			1.052			1.088
4-yr avg			1.121			1.050			1.087
5-yr avg			1.121			1.052			1.088

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>5th</u>	<u>6th</u>	<u>Dev't</u>	<u>5th</u>	<u>6th</u>	<u>Dev't</u>	<u>5th</u>	<u>6th</u>	<u>Dev't</u>
2004	307,663,626	327,690,963	1.065	247,464,823	256,653,776	1.037	555,128,449	584,344,739	1.053
2005	322,374,066	340,577,381	1.056	293,537,090	303,511,840	1.034	615,911,156	644,089,221	1.046
2006	324,197,503	348,254,283	1.074	282,391,581	291,127,860	1.031	606,589,084	639,382,143	1.054
2007	349,097,120	368,267,861	1.055	303,805,694	314,304,763	1.035	652,902,814	682,572,624	1.045
2008	369,221,306	393,414,267	1.066	304,125,361	313,291,591	1.030	673,346,667	706,705,858	1.050
2-yr avg			1.061			1.033			1.048
3-yr avg			1.065			1.032			1.050
4-yr avg			1.063			1.033			1.049
5-yr avg			1.063			1.033			1.050

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>6th</u>	<u>7th</u>	<u>Dev't</u>	<u>6th</u>	<u>7th</u>	<u>Dev't</u>	<u>6th</u>	<u>7th</u>	<u>Dev't</u>
2003	298,505,754	311,305,085	1.043	233,497,073	237,972,949	1.019	532,002,827	549,278,034	1.032
2004	324,700,158	336,577,677	1.037	254,490,303	259,953,763	1.021	579,190,461	596,531,440	1.030
2005	340,577,381	357,697,189	1.050	293,209,697	302,095,025	1.030	633,787,078	659,792,214	1.041
2006	338,510,832	354,330,053	1.047	282,546,600	289,803,823	1.026	621,057,432	644,133,876	1.037
2007	367,107,604	383,817,148	1.046	313,048,310	324,962,019	1.038	680,155,914	708,779,167	1.042
2-yr avg			1.047			1.032			1.040
3-yr avg			1.048			1.031			1.040
4-yr avg			1.045			1.029			1.038
5-yr avg			1.045			1.027			1.036



North Carolina - Paid

Accident Year Development Factors, Continued

Indemnity Losses			Medical Losses			Total Losses			
AY	7th	8th	Dev't	7th	8th	Dev't	7th	8th	Dev't
2002	286,235,009	292,692,309	1.023	211,365,241	214,667,825	1.016	497,600,250	507,360,134	1.020
2003	309,075,186	316,715,603	1.025	236,215,952	241,858,801	1.024	545,291,138	558,574,404	1.024
2004	335,836,736	344,729,381	1.026	259,525,357	266,684,670	1.028	595,362,093	611,414,051	1.027
2005	347,908,324	358,025,080	1.029	303,410,877	310,438,020	1.023	651,319,201	668,463,100	1.026
2006	351,821,153	360,563,733	1.025	287,591,441	292,511,797	1.017	639,412,594	653,075,530	1.021
2-yr avg			1.027			1.020			1.024
3-yr avg			1.027			1.023			1.025
4-yr avg			1.026			1.023			1.025
5-yr avg			1.026			1.022			1.024

  

Indemnity Losses			Medical Losses			Total Losses			
AY	8th	9th	Dev't	8th	9th	Dev't	8th	9th	Dev't
2001	283,644,069	288,833,288	1.018	208,194,388	211,832,813	1.017	491,838,457	500,666,101	1.018
2002	287,588,119	291,768,458	1.015	210,912,155	214,378,734	1.016	498,500,274	506,147,192	1.015
2003	314,422,373	320,478,312	1.019	240,516,615	245,512,536	1.021	554,938,988	565,990,848	1.020
2004	339,557,657	345,289,748	1.017	263,359,473	266,396,671	1.012	602,917,130	611,686,419	1.015
2005	352,975,673	360,675,283	1.022	307,009,563	314,729,857	1.025	659,985,236	675,405,140	1.023
2-yr avg			1.020			1.019			1.019
3-yr avg			1.019			1.019			1.019
4-yr avg			1.018			1.019			1.018
5-yr avg			1.018			1.018			1.018

  

Indemnity Losses			Medical Losses			Total Losses			
AY	9th	10th	Dev't	9th	10th	Dev't	9th	10th	Dev't
2000	281,783,416	285,036,464	1.012	202,181,608	203,839,649	1.008	483,965,024	488,876,113	1.010
2001	279,620,326	282,514,641	1.010	205,241,626	207,649,688	1.012	484,861,952	490,164,329	1.011
2002	288,985,564	291,215,524	1.008	212,761,960	215,155,630	1.011	501,747,524	506,371,154	1.009
2003	317,001,257	321,150,462	1.013	243,102,923	246,387,508	1.014	560,104,180	567,537,970	1.013
2004	340,055,990	347,106,039	1.021	261,596,203	265,950,168	1.017	601,652,193	613,056,207	1.019
2-yr avg			1.017			1.016			1.016
3-yr avg			1.014			1.014			1.014
4-yr avg			1.013			1.014			1.013
5-yr avg			1.013			1.012			1.012

  

Indemnity Losses			Medical Losses			Total Losses			
AY	10th	11th	Dev't	10th	11th	Dev't	10th	11th	Dev't
1999	275,067,922	278,442,827	1.012	197,715,918	200,634,600	1.015	472,783,840	479,077,427	1.013
2000	277,137,352	278,811,350	1.006	198,278,230	200,891,680	1.013	475,415,582	479,703,030	1.009
2001	282,043,034	284,665,355	1.009	207,479,143	209,739,862	1.011	489,522,177	494,405,217	1.010
2002	282,700,126	286,922,806	1.015	209,433,721	212,414,262	1.014	492,133,847	499,337,068	1.015
2003	314,294,729	317,076,152	1.009	241,815,612	244,973,577	1.013	556,110,341	562,049,729	1.011
2-yr avg			1.012			1.014			1.013
3-yr avg			1.011			1.013			1.012
4-yr avg			1.010			1.013			1.011
5-yr avg			1.010			1.013			1.012

  

Indemnity Losses			Medical Losses			Total Losses			
AY	11th	12th	Dev't	11th	12th	Dev't	11th	12th	Dev't
1998	233,943,470	235,699,148	1.008	179,593,997	181,904,188	1.013	413,537,467	417,603,336	1.010
1999	267,626,491	269,827,550	1.008	192,436,971	194,478,227	1.011	460,063,462	464,305,777	1.009
2000	278,662,808	280,584,840	1.007	200,888,237	202,816,307	1.010	479,551,045	483,401,147	1.008
2001	278,204,686	280,378,462	1.008	205,170,973	208,697,002	1.017	483,375,659	489,075,464	1.012
2002	284,808,610	287,475,736	1.009	211,250,634	214,391,703	1.015	496,059,244	501,867,439	1.012
2-yr avg			1.009			1.016			1.012
3-yr avg			1.008			1.014			1.011
4-yr avg			1.008			1.013			1.010
5-yr avg			1.008			1.013			1.010

  

Indemnity Losses			Medical Losses			Total Losses			
AY	12th	13th	Dev't	12th	13th	Dev't	12th	13th	Dev't
1997	161,109,686	161,779,907	1.004	117,128,484	117,485,490	1.003	278,238,170	279,265,397	1.004
1998	226,038,361	226,943,776	1.004	173,929,296	175,377,355	1.008	399,967,657	402,321,131	1.006
1999	269,281,929	270,986,071	1.006	193,852,313	195,518,556	1.009	463,134,242	466,504,627	1.007
2000	275,419,603	277,169,727	1.006	200,141,319	202,053,785	1.010	475,560,922	479,223,512	1.008
2001	273,523,989	275,154,048	1.006	205,351,554	207,235,759	1.009	478,875,543	482,389,807	1.007
2-yr avg			1.006			1.010			1.008
3-yr avg			1.006			1.009			1.007
4-yr avg			1.006			1.009			1.007
5-yr avg			1.005			1.008			1.006

North Carolina - Paid

Accident Year Development Factors, Continued

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>13th</u>	<u>14th</u>	<u>Dev't</u>	<u>13th</u>	<u>14th</u>	<u>Dev't</u>	<u>13th</u>	<u>14th</u>	<u>Dev't</u>
1996	137,556,300	138,112,415	1.004	112,957,338	113,559,006	1.005	250,513,638	251,671,421	1.005
1997	155,680,379	155,955,387	1.002	112,408,997	114,075,238	1.015	268,089,376	270,030,625	1.007
1998	226,588,258	228,217,174	1.007	174,833,419	177,029,190	1.013	401,421,677	405,246,364	1.010
1999	268,349,996	270,297,210	1.007	193,892,568	195,885,354	1.010	462,242,564	466,182,564	1.009
2000	274,532,674	276,071,387	1.006	200,762,155	202,584,219	1.009	475,294,829	478,655,606	1.007
2-yr avg			1.007			1.010			1.008
3-yr avg			1.007			1.011			1.009
4-yr avg			1.006			1.012			1.008
5-yr avg			1.005			1.010			1.008

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>14th</u>	<u>15th</u>	<u>Dev't</u>	<u>14th</u>	<u>15th</u>	<u>Dev't</u>	<u>14th</u>	<u>15th</u>	<u>Dev't</u>
1995	121,058,679	121,351,033	1.002	100,944,161	101,631,593	1.007	222,002,840	222,982,626	1.004
1996	134,464,157	135,003,712	1.004	109,573,139	109,951,268	1.003	244,037,296	244,954,980	1.004
1997	155,230,937	155,491,278	1.002	113,679,995	113,877,172	1.002	268,910,932	269,368,450	1.002
1998	225,441,558	226,042,144	1.003	175,490,746	176,969,045	1.008	400,932,304	403,011,189	1.005
1999	268,926,220	270,508,509	1.006	194,964,730	196,687,124	1.009	463,890,950	467,195,633	1.007
2-yr avg			1.005			1.009			1.006
3-yr avg			1.004			1.006			1.005
4-yr avg			1.004			1.006			1.005
5-yr avg			1.003			1.006			1.004

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>15th</u>	<u>16th</u>	<u>Dev't</u>	<u>15th</u>	<u>16th</u>	<u>Dev't</u>	<u>15th</u>	<u>16th</u>	<u>Dev't</u>
1994	134,122,844	134,549,345	1.003	112,660,358	112,865,426	1.002	246,783,202	247,414,771	1.003
1995	118,345,665	118,599,352	1.002	98,664,515	99,191,387	1.005	217,010,180	217,790,739	1.004
1996	134,660,755	134,958,314	1.002	109,768,323	110,226,365	1.004	244,429,078	245,184,679	1.003
1997	152,915,552	153,078,560	1.001	112,616,594	112,813,595	1.002	265,532,146	265,892,155	1.001
1998	225,780,225	227,643,603	1.008	176,820,433	179,758,005	1.017	402,600,658	407,401,608	1.012
2-yr avg			1.005			1.010			1.007
3-yr avg			1.004			1.008			1.005
4-yr avg			1.003			1.007			1.005
5-yr avg			1.003			1.006			1.005

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>16th</u>	<u>17th</u>	<u>Dev't</u>	<u>16th</u>	<u>17th</u>	<u>Dev't</u>	<u>16th</u>	<u>17th</u>	<u>Dev't</u>
1993	157,863,201	158,169,415	1.002	142,499,397	143,111,127	1.004	300,362,598	301,280,542	1.003
1994	132,851,913	133,401,711	1.004	111,300,307	112,010,287	1.006	244,152,220	245,411,998	1.005
1995	118,564,307	118,707,434	1.001	99,171,666	99,792,271	1.006	217,735,973	218,499,705	1.004
1996	134,224,962	134,477,384	1.002	109,606,454	110,161,043	1.005	243,831,416	244,638,427	1.003
1997	152,517,010	152,713,767	1.001	112,414,819	112,759,966	1.003	264,931,829	265,473,733	1.002
2-yr avg			1.002			1.004			1.003
3-yr avg			1.001			1.005			1.003
4-yr avg			1.002			1.005			1.004
5-yr avg			1.002			1.005			1.003

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>17th</u>	<u>18th</u>	<u>Dev't</u>	<u>17th</u>	<u>18th</u>	<u>Dev't</u>	<u>17th</u>	<u>18th</u>	<u>Dev't</u>
1992	202,607,275	203,347,721	1.004	171,184,107	172,264,144	1.006	373,791,382	375,611,865	1.005
1993	157,421,029	158,040,903	1.004	142,704,547	143,218,279	1.004	300,125,576	301,259,182	1.004
1994	133,398,660	133,802,453	1.003	112,009,597	112,737,409	1.006	245,408,257	246,539,862	1.005
1995	118,635,504	118,907,387	1.002	99,695,604	100,324,258	1.006	218,331,108	219,231,645	1.004
1996	134,477,384	134,905,900	1.003	110,161,043	110,946,711	1.007	244,638,427	245,852,611	1.005
2-yr avg			1.003			1.007			1.005
3-yr avg			1.003			1.006			1.005
4-yr avg			1.003			1.006			1.005
5-yr avg			1.003			1.006			1.005

  

Indemnity Losses			Medical Losses			Total Losses			
<u>AY</u>	<u>18th</u>	<u>19th</u>	<u>Dev't</u>	<u>18th</u>	<u>19th</u>	<u>Dev't</u>	<u>18th</u>	<u>19th</u>	<u>Dev't</u>
1991	251,214,705	252,070,464	1.003	209,508,036	211,261,432	1.008	460,722,741	463,331,896	1.006
1992	203,088,632	203,665,889	1.003	172,035,938	173,030,672	1.006	375,124,570	376,696,561	1.004
1993	158,040,903	158,250,004	1.001	143,218,279	144,169,206	1.007	301,259,182	302,419,210	1.004
1994	133,810,996	133,912,317	1.001	112,764,042	112,908,835	1.001	246,575,038	246,821,152	1.001
1995	118,907,387	119,174,715	1.002	100,324,258	100,719,841	1.004	219,231,645	219,894,556	1.003
2-yr avg			1.002			1.003			1.002
3-yr avg			1.001			1.004			1.003
4-yr avg			1.002			1.005			1.003
5-yr avg			1.002			1.005			1.004

North Carolina - Paid+Case  
 Accident Year Development Factors

Indemnity Losses			Medical Losses			Total Losses			
AY	1st	2nd	Dev't	1st	2nd	Dev't	1st	2nd	Dev't
2008	156,320,373	283,171,019	1.811	250,932,631	321,448,474	1.281	407,253,004	604,619,493	1.485
2009	139,494,179	248,185,190	1.779	230,559,672	278,661,456	1.209	370,053,851	526,846,646	1.424
2010	141,510,086	251,828,797	1.780	226,957,367	288,827,530	1.273	368,467,453	540,656,327	1.467
2011	143,228,024	257,049,984	1.795	256,065,606	304,129,808	1.188	399,293,630	561,179,792	1.405
2012	143,585,218	246,627,436	1.718	252,099,556	304,091,006	1.206	395,684,774	550,718,442	1.392
2-yr avg			1.757			1.197			1.399
3-yr avg			1.764			1.222			1.421
4-yr avg			1.768			1.219			1.422
5-yr avg			1.777			1.231			1.435

  

Indemnity Losses			Medical Losses			Total Losses			
AY	2nd	3rd	Dev't	2nd	3rd	Dev't	2nd	3rd	Dev't
2007	271,949,365	345,249,456	1.270	318,406,002	328,710,621	1.032	590,355,367	673,960,077	1.142
2008	283,171,019	357,408,100	1.262	321,747,336	338,938,107	1.053	604,918,355	696,346,207	1.151
2009	247,447,774	303,338,318	1.226	278,075,475	284,429,508	1.023	525,523,249	587,767,826	1.118
2010	251,527,395	308,372,292	1.226	288,251,932	299,909,914	1.040	539,779,327	608,282,206	1.127
2011	257,049,984	305,493,113	1.188	304,129,808	311,461,168	1.024	561,179,792	616,954,281	1.099
2-yr avg			1.207			1.032			1.113
3-yr avg			1.213			1.029			1.115
4-yr avg			1.226			1.035			1.124
5-yr avg			1.234			1.034			1.127

  

Indemnity Losses			Medical Losses			Total Losses			
AY	3rd	4th	Dev't	3rd	4th	Dev't	3rd	4th	Dev't
2006	311,833,387	351,989,556	1.129	309,790,485	322,440,233	1.041	621,623,872	674,429,789	1.085
2007	345,249,456	377,449,694	1.093	329,437,355	340,184,016	1.033	674,686,811	717,633,710	1.064
2008	356,983,371	395,712,625	1.108	338,520,406	341,900,122	1.010	695,503,777	737,612,747	1.061
2009	303,294,212	333,916,832	1.101	284,157,419	297,540,951	1.047	587,451,631	631,457,783	1.075
2010	308,372,292	336,453,684	1.091	299,909,914	312,257,076	1.041	608,282,206	648,710,760	1.066
2-yr avg			1.096			1.044			1.071
3-yr avg			1.100			1.033			1.067
4-yr avg			1.098			1.033			1.067
5-yr avg			1.104			1.034			1.070

  

Indemnity Losses			Medical Losses			Total Losses			
AY	4th	5th	Dev't	4th	5th	Dev't	4th	5th	Dev't
2005	352,574,400	369,893,547	1.049	333,381,778	342,399,425	1.027	685,956,178	712,292,972	1.038
2006	350,358,142	368,043,777	1.050	321,166,530	317,433,048	0.988	671,524,672	685,476,825	1.021
2007	377,493,426	394,385,053	1.045	340,184,016	356,398,426	1.048	717,677,442	750,783,479	1.046
2008	395,695,653	411,520,290	1.040	341,661,910	343,373,283	1.005	737,357,563	754,893,573	1.024
2009	333,916,832	345,468,706	1.035	297,540,951	303,723,206	1.021	631,457,783	649,191,912	1.028
2-yr avg			1.038			1.013			1.026
3-yr avg			1.040			1.025			1.033
4-yr avg			1.043			1.016			1.030
5-yr avg			1.044			1.018			1.031

  

Indemnity Losses			Medical Losses			Total Losses			
AY	5th	6th	Dev't	5th	6th	Dev't	5th	6th	Dev't
2004	349,043,628	362,154,742	1.038	275,887,092	281,004,815	1.019	624,930,720	643,159,557	1.029
2005	367,033,626	378,941,653	1.032	340,713,824	352,260,097	1.034	707,747,450	731,201,750	1.033
2006	368,043,777	382,835,271	1.040	317,433,048	328,056,252	1.033	685,476,825	710,891,523	1.037
2007	392,272,020	402,863,734	1.027	354,728,999	362,082,860	1.021	747,001,019	764,946,594	1.024
2008	411,519,873	419,388,561	1.019	343,361,384	346,657,093	1.010	754,881,257	766,045,654	1.015
2-yr avg			1.023			1.016			1.020
3-yr avg			1.029			1.021			1.025
4-yr avg			1.030			1.025			1.027
5-yr avg			1.031			1.023			1.028

  

Indemnity Losses			Medical Losses			Total Losses			
AY	6th	7th	Dev't	6th	7th	Dev't	6th	7th	Dev't
2003	331,327,926	336,491,611	1.016	271,818,077	272,205,163	1.001	603,146,003	608,696,774	1.009
2004	359,060,779	363,092,079	1.011	278,458,681	283,493,924	1.018	637,519,460	646,586,003	1.014
2005	378,941,653	387,017,498	1.021	337,946,385	344,186,820	1.018	716,888,038	731,204,318	1.020
2006	372,639,324	378,127,691	1.015	318,744,007	319,814,017	1.003	691,383,331	697,941,708	1.009
2007	401,703,477	406,832,622	1.013	360,826,407	361,448,741	1.002	762,529,884	768,281,363	1.008
2-yr avg			1.014			1.003			1.009
3-yr avg			1.016			1.008			1.012
4-yr avg			1.015			1.010			1.013
5-yr avg			1.015			1.008			1.012

North Carolina - Paid+Case

Accident Year Development Factors, Continued

Indemnity Losses				Medical Losses			Total Losses		
<u>AY</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>	<u>7th</u>	<u>8th</u>	<u>Dev't</u>
2002	308,697,056	310,961,714	1.007	236,009,853	235,686,487	0.999	544,706,909	546,648,201	1.004
2003	334,151,422	338,649,305	1.013	270,777,747	278,794,888	1.030	604,929,169	617,444,193	1.021
2004	362,351,138	365,572,313	1.009	283,065,518	288,513,203	1.019	645,416,656	654,085,516	1.013
2005	376,930,827	379,238,378	1.006	348,075,243	354,090,307	1.017	725,006,070	733,328,685	1.011
2006	374,931,231	378,941,489	1.011	317,101,918	320,402,198	1.010	692,033,149	699,343,687	1.011
2-yr avg			1.009			1.014			1.011
3-yr avg			1.009			1.015			1.012
4-yr avg			1.010			1.019			1.014
5-yr avg			1.009			1.015			1.012
Indemnity Losses				Medical Losses			Total Losses		
<u>AY</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>	<u>8th</u>	<u>9th</u>	<u>Dev't</u>
2001	299,853,568	302,102,142	1.007	227,342,167	228,926,846	1.007	527,195,735	531,028,988	1.007
2002	305,562,374	306,745,453	1.004	231,733,620	233,790,485	1.009	537,295,994	540,535,938	1.006
2003	336,356,075	340,311,610	1.012	277,452,702	283,533,365	1.022	613,808,777	623,844,975	1.016
2004	360,372,427	362,239,823	1.005	285,171,087	286,702,669	1.005	645,543,514	648,942,492	1.005
2005	374,029,579	376,112,699	1.006	350,642,234	351,209,631	1.002	724,671,813	727,322,330	1.004
2-yr avg			1.006			1.004			1.005
3-yr avg			1.008			1.010			1.008
4-yr avg			1.007			1.010			1.008
5-yr avg			1.007			1.009			1.008
Indemnity Losses				Medical Losses			Total Losses		
<u>AY</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>	<u>9th</u>	<u>10th</u>	<u>Dev't</u>
2000	293,182,252	294,897,780	1.006	221,999,686	221,576,135	0.998	515,181,938	516,473,915	1.003
2001	292,492,995	293,273,589	1.003	222,265,526	226,524,269	1.019	514,758,521	519,797,858	1.010
2002	303,656,228	304,437,623	1.003	231,610,580	232,485,622	1.004	535,266,808	536,923,245	1.003
2003	336,634,333	337,311,699	1.002	280,596,936	280,876,202	1.001	617,231,269	618,187,901	1.002
2004	356,975,800	358,262,038	1.004	281,705,704	280,216,219	0.995	638,681,504	638,478,257	1.000
2-yr avg			1.003			0.998			1.001
3-yr avg			1.003			1.000			1.002
4-yr avg			1.003			1.005			1.004
5-yr avg			1.004			1.003			1.004
Indemnity Losses				Medical Losses			Total Losses		
<u>AY</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>	<u>10th</u>	<u>11th</u>	<u>Dev't</u>
1999	288,912,381	290,518,067	1.006	212,861,046	218,235,320	1.025	501,773,427	508,753,387	1.014
2000	286,779,759	287,432,712	1.002	215,824,768	215,562,400	0.999	502,604,527	502,995,112	1.001
2001	292,801,982	294,572,316	1.006	226,353,724	233,101,409	1.030	519,155,706	527,673,725	1.016
2002	295,522,372	296,095,736	1.002	226,724,240	227,222,120	1.002	522,246,612	523,317,856	1.002
2003	329,811,942	330,682,939	1.003	275,242,260	276,266,230	1.004	605,054,202	606,949,169	1.003
2-yr avg			1.003			1.003			1.003
3-yr avg			1.004			1.012			1.007
4-yr avg			1.003			1.009			1.006
5-yr avg			1.004			1.012			1.007
Indemnity Losses				Medical Losses			Total Losses		
<u>AY</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>	<u>11th</u>	<u>12th</u>	<u>Dev't</u>
1998	242,020,978	242,026,440	1.000	196,921,831	198,814,127	1.010	438,942,809	440,840,567	1.004
1999	279,468,315	279,418,436	1.000	210,040,612	211,160,559	1.005	489,508,927	490,578,995	1.002
2000	287,284,170	288,193,908	1.003	215,558,957	216,479,132	1.004	502,843,127	504,673,040	1.004
2001	287,827,369	288,526,393	1.002	228,357,467	230,757,109	1.011	516,184,836	519,283,502	1.006
2002	293,981,540	295,510,159	1.005	226,054,727	232,102,218	1.027	520,036,267	527,612,377	1.015
2-yr avg			1.004			1.019			1.011
3-yr avg			1.003			1.014			1.008
4-yr avg			1.003			1.012			1.007
5-yr avg			1.002			1.011			1.006
Indemnity Losses				Medical Losses			Total Losses		
<u>AY</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>	<u>12th</u>	<u>13th</u>	<u>Dev't</u>
1997	163,758,191	164,359,276	1.004	119,581,228	120,929,710	1.011	283,339,419	285,288,986	1.007
1998	232,164,532	234,001,651	1.008	190,690,977	193,029,433	1.012	422,855,509	427,031,084	1.010
1999	278,872,815	280,700,587	1.007	210,534,645	211,954,319	1.007	489,407,460	492,654,906	1.007
2000	283,028,672	283,434,834	1.001	213,804,144	213,972,728	1.001	496,832,816	497,407,562	1.001
2001	281,596,441	282,124,491	1.002	227,370,680	227,296,097	1.000	508,967,121	509,420,588	1.001
2-yr avg			1.002			1.001			1.001
3-yr avg			1.003			1.003			1.003
4-yr avg			1.005			1.005			1.005
5-yr avg			1.004			1.006			1.005

North Carolina - Paid+Case

Accident Year Development Factors, Continued

Indemnity Losses			Medical Losses			Total Losses			
AY	13th	14th	Dev't	13th	14th	Dev't	13th	14th	Dev't
1996	140,941,710	141,483,134	1.004	121,457,367	121,457,228	1.000	262,399,077	262,940,362	1.002
1997	158,136,278	158,130,082	1.000	116,113,364	117,236,937	1.010	274,249,642	275,367,019	1.004
1998	233,646,133	234,425,580	1.003	192,485,497	190,751,664	0.991	426,131,630	425,177,244	0.998
1999	277,993,183	278,387,102	1.001	210,081,888	210,867,858	1.004	488,075,071	489,254,960	1.002
2000	280,793,094	281,433,365	1.002	212,676,043	213,659,637	1.005	493,469,137	495,093,002	1.003
2-yr avg			1.002			1.005			1.003
3-yr avg			1.002			1.000			1.001
4-yr avg			1.002			1.003			1.002
5-yr avg			1.002			1.002			1.002

  

Indemnity Losses			Medical Losses			Total Losses			
AY	14th	15th	Dev't	14th	15th	Dev't	14th	15th	Dev't
1995	122,708,826	123,280,732	1.005	105,694,600	106,710,162	1.010	228,403,426	229,990,894	1.007
1996	137,792,046	137,814,469	1.000	116,829,138	116,267,753	0.995	254,621,184	254,082,222	0.998
1997	157,395,631	157,319,293	1.000	116,841,694	117,238,541	1.003	274,237,325	274,557,834	1.001
1998	231,649,964	232,175,704	1.002	189,213,221	191,641,616	1.013	420,863,185	423,817,320	1.007
1999	277,016,112	277,689,161	1.002	209,947,234	212,790,346	1.014	486,963,346	490,479,507	1.007
2-yr avg			1.002			1.014			1.007
3-yr avg			1.001			1.010			1.005
4-yr avg			1.001			1.006			1.003
5-yr avg			1.002			1.007			1.004

  

Indemnity Losses			Medical Losses			Total Losses			
AY	15th	16th	Dev't	15th	16th	Dev't	15th	16th	Dev't
1994	137,458,547	137,496,687	1.000	118,269,787	118,804,766	1.005	255,728,334	256,301,453	1.002
1995	120,272,992	120,494,125	1.002	103,738,427	105,091,916	1.013	224,011,419	225,586,041	1.007
1996	137,471,512	137,447,793	1.000	116,084,808	116,055,188	1.000	253,556,320	253,502,981	1.000
1997	154,738,567	154,810,411	1.000	115,968,914	115,942,160	1.000	270,707,481	270,752,571	1.000
1998	231,913,785	232,207,733	1.001	191,493,004	190,066,568	0.993	423,406,789	422,274,301	0.997
2-yr avg			1.001			0.997			0.999
3-yr avg			1.000			0.998			0.999
4-yr avg			1.001			1.002			1.001
5-yr avg			1.001			1.002			1.001

  

Indemnity Losses			Medical Losses			Total Losses			
AY	16th	17th	Dev't	16th	17th	Dev't	16th	17th	Dev't
1993	159,930,643	159,613,313	0.998	153,202,952	147,263,521	0.961	313,133,595	306,876,834	0.980
1994	135,799,255	135,201,402	0.996	117,359,678	116,120,040	0.989	253,158,933	251,321,442	0.993
1995	120,459,080	120,550,242	1.001	105,072,195	106,502,388	1.014	225,531,275	227,052,630	1.007
1996	136,714,442	136,912,741	1.001	115,435,278	115,327,970	0.999	252,149,720	252,240,711	1.000
1997	154,141,356	154,303,666	1.001	115,536,884	115,571,969	1.000	269,678,240	269,875,635	1.001
2-yr avg			1.001			1.000			1.001
3-yr avg			1.001			1.004			1.003
4-yr avg			1.000			1.001			1.000
5-yr avg			0.999			0.993			0.996

  

Indemnity Losses			Medical Losses			Total Losses			
AY	17th	18th	Dev't	17th	18th	Dev't	17th	18th	Dev't
1992	207,952,767	208,154,892	1.001	178,986,050	180,750,189	1.010	386,938,817	388,905,081	1.005
1993	158,864,927	159,426,243	1.004	147,105,440	147,141,082	1.000	305,970,367	306,567,325	1.002
1994	135,198,351	135,329,075	1.001	116,119,350	116,010,007	0.999	251,317,701	251,339,082	1.000
1995	120,478,312	120,699,886	1.002	106,405,721	106,495,732	1.001	226,884,033	227,195,618	1.001
1996	136,912,741	136,758,314	0.999	115,327,970	115,595,898	1.002	252,240,711	252,354,212	1.000
2-yr avg			1.001			1.002			1.001
3-yr avg			1.001			1.001			1.000
4-yr avg			1.002			1.001			1.001
5-yr avg			1.001			1.002			1.002

  

Indemnity Losses			Medical Losses			Total Losses			
AY	18th	19th	Dev't	18th	19th	Dev't	18th	19th	Dev't
1991	256,723,768	257,052,011	1.001	231,689,814	231,502,575	0.999	488,413,582	488,554,586	1.000
1992	207,895,803	208,321,214	1.002	180,731,368	181,974,361	1.007	388,627,171	390,295,575	1.004
1993	159,426,243	159,303,162	0.999	147,141,082	147,469,342	1.002	306,567,325	306,772,504	1.001
1994	135,337,618	135,112,167	0.998	116,036,640	115,223,062	0.993	251,374,258	250,335,229	0.996
1995	120,699,886	120,770,135	1.001	106,495,732	106,721,608	1.002	227,195,618	227,491,743	1.001
2-yr avg			1.000			0.998			0.999
3-yr avg			0.999			0.999			0.999
4-yr avg			1.000			1.001			1.001
5-yr avg			1.000			1.001			1.000

## 11 NCAC 10.1111 – WORKERS COMPENSATION

### Item

- 3(c) The filer shall provide for each of the loss amounts in Sub-item (3)(b) of this Rule, paid claim counts, incurred claim counts, and outstanding claim counts.

### Response

The requested claim count data are not regularly collected through the statistical plan. Incurred claim counts are available from NCCI's financial calls and are attached as Exhibit 3(c), pages 1 and 2.

The requested paid and outstanding claim count data are attached as Exhibit 3(c), page 3. The source of this data is a special North Carolina Financial Call to which not all large companies have responded. Caution should be used in interpreting the data shown on these exhibits. For instance, the data, as it is shown, cannot be used to make a determination on the relative frequency of claims—the data must first be developed to an ultimate basis. In addition, consideration would have to be given to matching companies, shifts in premium and loss volume and any differences in reporting methods by company. This data does not correspond to the loss amounts in the response to Item 3(b) and has not been used in any loss cost level calculations.







## North Carolina Open and Closed Claim Count Data\*

### Policy Year

Policy Year	Paid (Closed) Claim Counts			Outstanding (Open) Claim Counts			Total Claim Counts		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	<u>Indemnity</u>	<u>Medical Only</u>	<u>Total</u>	<u>Indemnity</u>	<u>Medical Only</u>	<u>Total</u>	<u>Indemnity</u>	<u>Medical Only</u>	<u>Total</u>
2008	11,433	36,666	48,099	365	81	446	11,798	36,747	48,545
2009	10,421	34,613	45,034	581	82	663	11,002	34,695	45,697
2010	10,184	35,637	45,821	1,070	232	1,302	11,254	35,869	47,123
2011	9,199	35,120	44,319	2,247	464	2,711	11,446	35,584	47,030
2012	5,335	31,013	36,348	5,071	2,367	7,438	10,406	33,380	43,786

### Accident Year

Accident Year	Paid (Closed) Claim Counts			Outstanding (Open) Claim Counts			Total Claim Counts		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	<u>Indemnity</u>	<u>Medical Only</u>	<u>Total</u>	<u>Indemnity</u>	<u>Medical Only</u>	<u>Total</u>	<u>Indemnity</u>	<u>Medical Only</u>	<u>Total</u>
2009	10,473	33,665	44,138	446	57	503	10,919	33,722	44,641
2010	10,479	35,514	45,993	829	182	1,011	11,308	35,696	47,004
2011	9,842	35,714	45,556	1,482	328	1,810	11,324	36,042	47,366
2012	7,474	33,733	41,207	3,484	885	4,369	10,958	34,618	45,576
2013	2,286	22,523	24,809	7,008	8,190	15,198	9,294	30,713	40,007

\* Claim counts are not developed to an ultimate basis. For guidelines on the interpretation of this data, please see the response to Item 3(c).  
PY and AY data is valued as of 12/31/13.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 3(d) The filer shall provide at least the latest ten available policy years of the incurred loss data described in Sub-items (3)(d)(i) through (ii) of this Rule from the Unit Statistical Plan for matching policies for all pairs of successive evaluation dates. The filer shall also provide the corresponding loss development factors and five-year average factors derivable from the data.
- (i) Losses separated into indemnity and medical portions, as well as combined data;
  - (ii) Losses separated into deaths, permanent totals, major permanent partials, minor permanent partials, temporary totals, and medicals only.

Response

See attached Exhibit 3(d) for the available incurred loss data from the Workers Compensation Statistical Plan.

**NORTH CAROLINA**

**WORKERS COMPENSATION STATISTICAL PLAN DATA**

**Injury Type: Fatal**

Indemnity					Medical					Combined (Indemnity + Medical)							
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2002	9,286,523	9,842,704	10,431,678	10,622,571	10,807,154	2002	1,334,320	1,081,268	1,097,533	1,773,111	1,762,231	2002	10,620,843	10,923,972	11,529,211	12,395,682	12,569,385
2003	11,665,869	13,008,449	13,017,036	12,585,151	12,981,071	2003	2,123,457	1,620,839	1,200,682	1,231,959	1,185,547	2003	13,789,326	14,629,288	14,217,718	13,817,110	14,166,618
2004	12,796,793	13,298,334	13,293,311	13,893,291	14,440,059	2004	5,970,597	5,819,177	5,578,854	5,700,957	6,055,384	2004	18,767,390	19,117,511	18,872,165	19,594,248	20,495,443
2005	11,287,279	12,762,514	13,733,918	13,975,406	14,190,729	2005	2,094,269	3,169,190	4,248,825	4,240,027	4,238,277	2005	13,381,548	15,931,704	17,982,743	18,215,433	18,429,006
2006	11,238,478	12,766,150	13,171,985	13,928,455	14,349,428	2006	1,650,365	1,512,626	1,445,196	1,471,424	1,576,870	2006	12,888,843	14,278,776	14,617,181	15,399,879	15,926,298
2007	10,315,780	10,394,407	11,336,640	11,516,748	11,212,846	2007	2,061,258	1,160,156	1,177,272	1,259,337	1,294,832	2007	12,377,038	11,554,563	12,513,912	12,776,085	12,507,678
2008	7,491,880	8,903,682	9,496,409	9,480,524		2008	2,457,440	2,018,123	4,481,060	4,480,736		2008	9,949,320	10,921,805	13,977,469	13,961,260	
2009	9,327,328	10,583,227	10,541,018			2009	3,258,614	2,992,967	2,908,326			2009	12,585,942	13,576,194	13,449,344		
2010	12,060,540	12,225,618				2010	1,190,027	1,066,305				2010	13,250,567	13,291,923			
2011	12,711,277					2011	793,117					2011	13,504,394				
Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	
2002	1.060	1.060	1.018	1.017		2002	0.810	1.015	1.616	0.994		2002	1.029	1.055	1.075	1.014	
2003	1.115	1.001	0.967	1.031		2003	0.763	0.741	1.026	0.962		2003	1.061	0.972	0.972	1.025	
2004	1.039	1.000	1.045	1.039		2004	0.975	0.959	1.022	1.062		2004	1.019	0.987	1.038	1.046	
2005	1.131	1.076	1.018	1.015		2005	1.513	1.341	0.998	1.000		2005	1.191	1.129	1.013	1.012	
2006	1.136	1.032	1.057	1.030		2006	0.917	0.955	1.018	1.072		2006	1.108	1.024	1.054	1.034	
2007	1.008	1.091	1.016	0.974		2007	0.563	1.015	1.070	1.028		2007	0.934	1.083	1.021	0.979	
2008	1.188	1.067	0.998			2008	0.821	2.220	1.000			2008	1.098	1.280	0.999		
2009	1.135	0.996				2009	0.918	0.972				2009	1.079	0.991			
2010	1.014					2010	0.896					2010	1.003				
5-yr Avg	1.096	1.052	1.027	1.018		5-yr Avg	0.823	1.301	1.022	1.025		5-yr Avg	1.044	1.101	1.025	1.019	

**Injury Type: Permanent Total**

Indemnity					Medical					Combined (Indemnity + Medical)							
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2002	5,655,331	9,231,734	16,068,851	26,155,225	27,140,340	2002	22,035,033	27,272,468	31,312,248	43,982,463	43,822,744	2002	27,690,364	36,504,202	47,381,099	70,137,688	70,963,084
2003	4,506,033	6,455,115	13,322,172	19,107,181	21,807,043	2003	15,382,222	18,004,351	27,438,616	36,698,839	35,399,042	2003	19,888,255	24,459,466	40,760,788	55,806,020	57,206,085
2004	4,143,686	7,834,958	12,631,518	17,108,446	18,559,829	2004	12,805,359	37,207,662	40,468,489	47,278,530	48,662,778	2004	16,949,045	45,042,620	53,100,007	64,386,976	67,222,607
2005	7,388,505	11,837,760	15,141,885	17,820,272	22,937,635	2005	35,479,896	48,239,805	41,307,932	46,071,261	54,984,336	2005	42,868,401	60,077,565	56,449,817	63,891,533	77,921,971
2006	4,977,419	7,515,043	12,277,838	21,197,286	26,980,460	2006	25,914,257	28,191,048	37,279,529	32,373,007	46,479,145	2006	30,891,676	35,706,091	49,557,367	53,570,293	73,459,605
2007	5,082,868	8,358,225	12,025,212	17,221,298	19,879,467	2007	20,548,638	37,922,396	40,996,557	57,304,995	59,585,797	2007	25,631,506	46,280,621	53,021,769	74,526,293	79,465,264
2008	5,095,314	8,500,795	10,388,994	15,618,666		2008	26,235,004	36,285,679	25,418,525	27,910,216		2008	31,330,318	44,786,474	35,807,519	43,528,882	
2009	2,808,071	7,061,297	11,242,536			2009	14,306,794	20,913,310	25,603,738			2009	17,114,865	27,974,607	36,846,274		
2010	3,328,121	5,207,404				2010	14,060,581	18,428,516				2010	17,388,702	23,635,920			
2011	3,729,687					2011	29,120,119					2011	32,849,806				
Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	
2002	1.632	1.741	1.628	1.038		2002	1.238	1.148	1.405	0.996		2002	1.318	1.298	1.480	1.012	
2003	1.433	2.064	1.434	1.141		2003	1.170	1.524	1.337	0.965		2003	1.230	1.666	1.369	1.025	
2004	1.891	1.612	1.354	1.085		2004	2.906	1.088	1.168	1.029		2004	2.658	1.179	1.213	1.044	
2005	1.602	1.279	1.177	1.287		2005	1.360	0.856	1.115	1.193		2005	1.401	0.940	1.132	1.220	
2006	1.510	1.634	1.726	1.273		2006	1.088	1.322	0.868	1.436		2006	1.156	1.388	1.081	1.371	
2007	1.644	1.439	1.432	1.154		2007	1.845	1.081	1.398	1.040		2007	1.806	1.146	1.406	1.066	
2008	1.668	1.222	1.503			2008	1.383	0.701	1.098			2008	1.429	0.800	1.216		
2009	2.515	1.592				2009	1.462	1.224				2009	1.635	1.317			
2010	1.565					2010	1.311					2010	1.359				
5-yr Avg	1.780	1.433	1.438	1.188		5-yr Avg	1.418	1.037	1.129	1.133		5-yr Avg	1.477	1.118	1.210	1.145	

**NORTH CAROLINA**

**WORKERS COMPENSATION STATISTICAL PLAN DATA**

**Injury Type: Permanent Partial**

Indemnity					Medical					Combined (Indemnity + Medical)							
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2002	122,419,179	210,185,046	276,216,412	309,945,326	330,510,840	2002	120,258,077	165,860,291	189,750,918	196,610,463	206,486,781	2002	242,677,256	376,045,337	465,967,330	506,555,789	536,997,621
2003	148,967,334	259,166,290	322,972,022	358,538,016	378,149,928	2003	137,023,468	196,596,890	215,631,397	225,659,652	236,099,812	2003	285,990,802	455,763,180	538,603,419	584,197,668	614,249,740
2004	167,268,496	295,100,638	366,416,143	402,160,284	417,224,487	2004	170,564,436	235,944,621	254,399,189	265,631,689	274,176,919	2004	337,832,932	531,045,259	620,815,332	667,791,973	691,401,406
2005	171,374,649	307,814,169	374,691,020	412,795,452	428,950,812	2005	172,408,875	244,658,295	267,535,119	280,373,044	286,564,931	2005	343,783,524	552,472,464	642,226,139	693,168,496	715,515,743
2006	175,503,686	310,734,939	381,118,540	417,797,421	435,771,026	2006	180,277,023	257,762,688	285,819,769	296,535,225	302,219,785	2006	355,780,709	568,497,627	666,938,309	714,332,646	737,990,811
2007	182,764,876	336,691,244	413,330,825	446,200,909	466,430,912	2007	188,325,249	260,928,959	290,265,509	306,497,802	321,199,310	2007	371,090,125	597,620,203	703,596,334	752,698,711	787,630,222
2008	174,358,628	316,576,983	383,086,147	421,648,914		2008	177,834,308	257,621,726	283,675,325	297,453,704		2008	352,192,936	574,198,709	666,761,472	719,102,618	
2009	162,506,225	309,379,739	374,579,160			2009	164,680,716	251,966,796	275,921,896			2009	327,186,941	561,346,535	650,501,056		
2010	153,508,858	308,122,802				2010	161,102,094	256,968,379				2010	314,610,952	565,091,181			
2011	160,594,928					2011	165,023,194					2011	325,618,122				
Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	
2002	1.717	1.314	1.122	1.066		2002	1.379	1.144	1.036	1.050		2002	1.550	1.239	1.087	1.060	
2003	1.740	1.246	1.110	1.055		2003	1.435	1.097	1.047	1.046		2003	1.594	1.182	1.085	1.051	
2004	1.764	1.242	1.098	1.037		2004	1.383	1.078	1.044	1.032		2004	1.572	1.169	1.076	1.035	
2005	1.796	1.217	1.102	1.039		2005	1.419	1.094	1.048	1.022		2005	1.607	1.162	1.079	1.032	
2006	1.771	1.227	1.096	1.043		2006	1.430	1.109	1.037	1.019		2006	1.598	1.173	1.071	1.033	
2007	1.842	1.228	1.080	1.045		2007	1.386	1.112	1.056	1.048		2007	1.610	1.177	1.070	1.046	
2008	1.816	1.210	1.101			2008	1.449	1.101	1.049			2008	1.630	1.161	1.079		
2009	1.904	1.211				2009	1.530	1.095				2009	1.716	1.159			
2010	2.007					2010	1.595					2010	1.796				
5-yr Avg	1.868	1.219	1.095	1.044		5-yr Avg	1.478	1.102	1.047	1.033		5-yr Avg	1.670	1.166	1.075	1.039	

**Injury Type: Temporary Total**

Indemnity					Medical					Combined (Indemnity + Medical)							
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2002	135,892,419	163,417,462	171,201,792	165,805,968	164,558,800	2002	152,033,763	151,000,126	140,004,629	127,436,238	126,748,153	2002	287,926,182	314,417,588	311,206,421	293,242,206	291,306,953
2003	139,469,626	148,224,731	153,064,420	156,628,189	158,216,486	2003	163,614,073	137,465,597	127,617,130	124,025,515	121,901,317	2003	303,083,699	285,690,328	280,681,550	280,653,704	280,117,803
2004	128,975,400	122,311,431	127,625,477	131,283,183	133,350,027	2004	166,375,094	122,874,930	115,239,271	113,641,850	113,425,101	2004	295,350,494	245,186,361	242,864,748	244,925,033	246,775,128
2005	131,991,923	128,717,439	135,609,869	138,165,811	140,828,157	2005	168,059,995	124,276,496	120,486,592	118,153,125	119,015,282	2005	300,051,918	252,993,935	256,096,461	256,318,936	259,843,439
2006	138,561,455	132,662,661	145,820,742	147,400,441	147,627,193	2006	173,551,053	133,083,796	130,280,031	129,750,734	125,050,445	2006	312,112,508	265,746,457	276,100,773	277,151,175	272,677,638
2007	147,202,674	146,983,270	155,495,783	160,595,202	159,782,900	2007	177,241,760	142,489,656	135,833,485	137,144,553	134,929,667	2007	324,444,434	289,472,926	291,329,268	297,739,755	294,712,567
2008	142,487,958	144,472,204	154,183,116	156,299,057		2008	178,655,696	135,044,015	130,417,923	127,672,017		2008	321,143,654	279,516,219	284,601,039	283,971,074	
2009	149,768,478	141,350,303	149,422,499			2009	182,755,154	129,817,218	124,256,926			2009	332,523,632	271,167,521	273,679,425		
2010	154,277,019	144,770,678				2010	191,369,210	135,729,790				2010	345,646,229	280,500,468			
2011	157,947,526					2011	205,412,907					2011	363,360,433				
Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	
2002	1.203	1.048	0.968	0.992		2002	0.993	0.927	0.910	0.995		2002	1.092	0.990	0.942	0.993	
2003	1.063	1.033	1.023	1.010		2003	0.840	0.928	0.972	0.983		2003	0.943	0.982	1.000	0.998	
2004	0.948	1.043	1.029	1.016		2004	0.739	0.938	0.986	0.998		2004	0.830	0.991	1.008	1.008	
2005	0.975	1.054	1.019	1.019		2005	0.739	0.970	0.981	1.007		2005	0.843	1.012	1.001	1.014	
2006	0.957	1.099	1.011	1.002		2006	0.767	0.979	0.996	0.964		2006	0.851	1.039	1.004	0.984	
2007	0.999	1.058	1.033	0.995		2007	0.804	0.953	1.010	0.984		2007	0.892	1.006	1.022	0.990	
2008	1.014	1.067	1.014			2008	0.756	0.966	0.979			2008	0.870	1.018	0.998		
2009	0.944	1.057				2009	0.710	0.957				2009	0.815	1.009			
2010	0.938					2010	0.709					2010	0.812				
5-yr Avg	0.970	1.067	1.021	1.008		5-yr Avg	0.749	0.965	0.990	0.987		5-yr Avg	0.848	1.017	1.007	0.999	

**NORTH CAROLINA**

**WORKERS COMPENSATION STATISTICAL PLAN DATA**

**Injury Type: Medical Only**

Indemnity						Medical					Combined (Indemnity + Medical)						
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2002	0	0	0	0	0	2002	46,682,099	47,536,665	47,697,254	47,874,923	48,112,009	2002	46,682,099	47,536,665	47,697,254	47,874,923	48,112,009
2003	0	0	0	0	0	2003	49,173,878	50,139,893	50,345,292	50,431,374	50,544,026	2003	49,173,878	50,139,893	50,345,292	50,431,374	50,544,026
2004	0	0	0	0	0	2004	52,541,098	52,430,631	52,420,029	53,044,311	53,195,736	2004	52,541,098	52,430,631	52,420,029	53,044,311	53,195,736
2005	0	0	0	0	0	2005	55,150,572	55,397,704	55,727,395	55,982,331	56,090,233	2005	55,150,572	55,397,704	55,727,395	55,982,331	56,090,233
2006	0	0	0	0	0	2006	57,727,068	57,048,758	57,461,231	57,447,854	57,571,327	2006	57,727,068	57,048,758	57,461,231	57,447,854	57,571,327
2007	0	0	0	0	0	2007	60,919,406	59,161,631	59,165,754	59,151,811	59,482,142	2007	60,919,406	59,161,631	59,165,754	59,151,811	59,482,142
2008	0	0	0	0	0	2008	54,626,850	54,026,185	53,743,116	53,624,259		2008	54,626,850	54,026,185	53,743,116	53,624,259	
2009	0	0	0			2009	53,390,933	51,744,684	50,919,590			2009	53,390,933	51,744,684	50,919,590		
2010	0	0				2010	56,000,349	53,063,506				2010	56,000,349	53,063,506			
2011	0					2011	56,935,833					2011	56,935,833				
Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	
2002	-	-	-	-		2002	1.018	1.003	1.004	1.005		2002	1.018	1.003	1.004	1.005	
2003	-	-	-	-		2003	1.020	1.004	1.002	1.002		2003	1.020	1.004	1.002	1.002	
2004	-	-	-	-		2004	0.998	1.000	1.012	1.003		2004	0.998	1.000	1.012	1.003	
2005	-	-	-	-		2005	1.004	1.006	1.005	1.002		2005	1.004	1.006	1.005	1.002	
2006	-	-	-	-		2006	0.988	1.007	1.000	1.002		2006	0.988	1.007	1.000	1.002	
2007	-	-	-	-		2007	0.971	1.000	1.000	1.006		2007	0.971	1.000	1.000	1.006	
2008	-	-	-	-		2008	0.989	0.995	0.998			2008	0.989	0.995	0.998		
2009	-	-	-	-		2009	0.969	0.984				2009	0.969	0.984			
2010	-	-	-	-		2010	0.948					2010	0.948				
5-yr Avg	-	-	-	-		5-yr Avg	0.973	0.998	1.003	1.003		5-yr Avg	0.973	0.998	1.003	1.003	

**Injury Type: Total - All Injury Types**

Indemnity						Medical					Combined (Indemnity + Medical)						
Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report	Policy Year	1st Report	2nd Report	3rd Report	4th Report	5th Report
2002	273,253,452	392,676,946	473,918,733	512,529,090	533,017,134	2002	342,343,292	392,750,818	409,862,582	417,677,198	426,931,918	2002	615,596,744	785,427,764	883,781,315	930,206,288	959,949,052
2003	304,608,862	426,854,585	502,375,650	546,858,537	571,154,528	2003	367,317,098	403,827,570	422,233,117	438,047,339	445,129,744	2003	671,925,960	830,682,155	924,608,767	984,905,876	1,016,284,272
2004	313,184,375	438,545,361	519,966,449	564,445,204	583,574,402	2004	408,256,584	454,277,021	468,105,832	485,297,337	495,515,918	2004	721,440,959	892,822,382	988,072,281	1,049,742,541	1,079,090,320
2005	322,042,356	461,131,882	539,176,692	582,756,941	606,907,333	2005	433,193,607	475,741,490	489,305,863	504,819,788	520,893,059	2005	755,235,963	936,873,372	1,028,482,555	1,087,576,729	1,127,800,392
2006	330,281,038	463,678,793	552,389,105	600,323,603	624,728,107	2006	439,119,766	477,598,916	512,285,756	517,578,244	532,897,572	2006	769,400,804	941,277,709	1,064,674,861	1,117,901,847	1,157,625,679
2007	345,366,198	502,427,146	592,188,460	635,534,157	657,306,125	2007	449,096,311	501,662,798	527,438,577	561,358,498	576,491,748	2007	794,462,509	#####	1,119,627,037	1,196,892,655	1,233,797,873
2008	329,433,780	478,453,664	557,154,666	603,047,161		2008	439,809,298	484,995,728	497,735,949	511,140,932		2008	769,243,078	963,449,392	1,054,890,615	1,114,188,093	
2009	324,410,102	468,374,566	545,785,213			2009	418,392,211	457,434,975	479,610,476			2009	742,802,313	925,809,541	1,025,395,689		
2010	323,174,538	470,326,502				2010	423,722,261	465,256,496				2010	746,896,799	935,582,998			
2011	334,983,418					2011	457,285,170					2011	792,268,588				
Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th		Policy Year	1st to 2nd	2nd to 3rd	3rd to 4th	4th to 5th	
2002	1.437	1.207	1.081	1.040		2002	1.147	1.044	1.019	1.022		2002	1.276	1.125	1.053	1.032	
2003	1.401	1.177	1.089	1.044		2003	1.099	1.046	1.037	1.016		2003	1.236	1.113	1.065	1.032	
2004	1.400	1.186	1.086	1.034		2004	1.113	1.030	1.037	1.021		2004	1.238	1.107	1.062	1.028	
2005	1.432	1.169	1.081	1.041		2005	1.098	1.029	1.032	1.032		2005	1.241	1.098	1.057	1.037	
2006	1.404	1.191	1.087	1.041		2006	1.088	1.073	1.010	1.030		2006	1.223	1.131	1.050	1.036	
2007	1.455	1.179	1.073	1.034		2007	1.117	1.051	1.064	1.027		2007	1.264	1.115	1.069	1.031	
2008	1.452	1.164	1.082			2008	1.103	1.026	1.027			2008	1.252	1.095	1.056		
2009	1.444	1.165				2009	1.093	1.048				2009	1.246	1.108			
2010	1.455					2010	1.098					2010	1.253				
5-yr Avg	1.442	1.174	1.082	1.039		5-yr Avg	1.100	1.045	1.034	1.025		5-yr Avg	1.248	1.109	1.059	1.033	

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 3(e) The filer shall provide for each of the loss amounts in Sub-item (3)(d) of this Rule the corresponding incurred claim counts and for each of the policy years in Sub-item (3)(d) of this Rule the aggregate earned exposures. Where small claims are reported in bulk, the filer shall provide such information as accurately as possible, given the imprecision inherent in such aggregate data.

Response

See attached Exhibit 3(e).

**NORTH CAROLINA****WORKERS COMPENSATION STATISTICAL PLAN DATA****Aggregate Earned Exposures By Policy Year**

<u>Policy Year</u>	<u>Payroll</u>	<u>Std Earned Premium</u>
2002	74,483,548,764	1,470,448,478
2003	77,909,891,539	1,621,413,625
2004	83,406,300,133	1,748,740,972
2005	89,644,319,838	1,890,147,317
2006	95,872,992,723	2,065,391,947
2007	104,696,747,025	2,315,748,924
2008	102,704,715,185	2,187,866,236
2009	100,714,169,800	2,011,077,526
2010	104,643,703,815	1,930,680,901
2011	109,680,529,264	2,006,473,050

**Incurred Claim Counts By Injury Type****Fatal**

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2002	72	77	83	85	85
2003	72	78	78	79	80
2004	75	80	83	86	89
2005	73	81	84	88	88
2006	71	76	78	84	86
2007	61	65	69	72	73
2008	47	60	68	68	
2009	52	63	64		
2010	68	69			
2011	62				

**Permanent Total**

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2002	22	34	54	80	87
2003	26	35	57	70	78
2004	29	36	47	61	66
2005	30	44	49	59	69
2006	18	26	38	52	68
2007	17	26	34	48	59
2008	16	27	33	47	
2009	12	23	38		
2010	11	19			
2011	12				

**Permanent Partial**

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2002	5,778	7,013	7,549	7,693	7,714
2003	6,294	8,018	8,459	8,509	8,524
2004	6,881	8,920	9,129	9,158	9,164
2005	7,157	9,064	9,264	9,316	9,387
2006	7,234	8,987	9,224	9,369	9,460
2007	7,152	9,101	9,559	9,715	9,751
2008	6,352	8,601	8,891	9,012	
2009	5,820	8,460	8,749		
2010	5,826	8,530			
2011	6,091				

**Temporary Total**

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2002	13,536	12,801	12,261	12,101	12,090
2003	13,736	12,317	11,960	11,925	11,930
2004	12,703	11,235	11,177	11,132	11,159
2005	12,831	11,392	11,319	11,308	11,237
2006	12,345	11,049	10,956	10,828	10,746
2007	12,458	11,124	10,829	10,740	10,709
2008	11,356	9,724	9,599	9,530	
2009	11,056	9,139	9,009		
2010	11,464	9,507			
2011	11,499				

**Medical Only**

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2002	76,733	77,980	78,215	78,355	78,392
2003	75,496	76,603	76,775	76,834	76,831
2004	71,755	72,817	73,006	73,050	73,118
2005	73,258	74,188	74,294	74,347	74,399
2006	71,714	72,575	72,857	72,922	72,979
2007	71,996	72,766	72,879	72,950	72,953
2008	62,329	63,022	63,088	63,059	
2009	58,648	59,098	59,158		
2010	59,484	59,613			
2011	58,733				

**Total - All Injury Types**

<u>Policy Year</u>	<u>1st Report</u>	<u>2nd Report</u>	<u>3rd Report</u>	<u>4th Report</u>	<u>5th Report</u>
2002	96,141	97,905	98,162	98,314	98,368
2003	95,624	97,051	97,329	97,417	97,443
2004	91,443	93,088	93,442	93,487	93,596
2005	93,349	94,769	95,010	95,118	95,180
2006	91,382	92,713	93,153	93,255	93,339
2007	91,684	93,082	93,370	93,525	93,545
2008	80,100	81,434	81,679	81,716	
2009	75,588	76,783	77,018		
2010	76,853	77,738			
2011	76,397				

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 3(f) The filer shall provide for each of the policy periods in Sub-items (3)(b) and (3)(d) of this Rule the law amendment factors for adjusting past losses to current benefit levels.

Response

See attached Exhibit 3(f).



## North Carolina

## Amendment Factors Adjusting Losses to the January 1, 2014 Benefit Level

<u>Policy Period</u>	<u>Fatal</u>	<u>Permanent Total</u>	<u>Permanent Partial</u>	<u>Temporary Total</u>	<u>Indemnity</u>	<u>Medical</u>	<u>Overall</u>
1/11- 12/11	1.044	1.012	1.005	1.012	1.007	0.972	0.989
1/10- 12/10	1.212	1.010	0.986	1.010	0.994	0.967	0.980
1/09- 12/09	1.244	1.015	0.987	1.015	0.996	0.966	0.982
1/08- 12/08	1.254	1.023	0.993	1.023	1.002	0.966	0.985
1/07- 12/07	1.261	1.030	0.996	1.030	1.006	0.966	0.987
1/06- 12/06	1.273	1.039	1.003	1.039	1.012	0.966	0.991
1/05- 12/05	1.279	1.044	1.007	1.044	1.017	0.966	0.994
1/04- 12/04	1.283	1.047	1.009	1.047	1.019	0.966	0.995
1/03- 12/03	1.294	1.056	1.017	1.056	1.027	0.966	1.000
1/02- 12/02	1.305	1.065	1.026	1.065	1.036	0.966	1.005

## 11 NCAC 10.1111 – WORKERS COMPENSATION

### Item

- 3(g) The filer shall include a description of the reasons for the difference between the policy year data provided in response to Sub-items (3)(b) and (3)(c) of this Rule and those provided in response to Sub-items (3)(d) and (3)(e) of this Rule.

### Response

Listed below are several reasons for the difference between the policy year data from the financial calls provided in response to Items (3)(b) and (3)(c) and the Workers Compensation Statistical Plan (WCSP) data provided in response to Items (3)(d) and (3)(e).

#### Evaluation Dates:

All policies included in the financial data are evaluated as of December 31 of each year, regardless of the actual effective dates of the individual policies whose combined experience is being reported. Therefore, for a given year, the reported financial data is comprised of individual policy experience at differing maturity levels.

Each policy reported in the workers compensation statistical plan is at a date corresponding to its own expiration date—six months after expiration, 18 months, etc. This means that a policy effective on January 1 of a given year would first be evaluated at July 1 of the next year; and a policy effective on October 1 of that year would be first evaluated as of April 1 of the year following its expiration.

#### Matching companies:

The set of companies that may be missing for a given set of matching financial reports is not necessarily identical to individual matching units that may be missing. In each case, the maximum amount of data possible is retained for the calculation of development factors.

#### Validation and edit criteria:

The validation and edit criteria used on the financial calls is not necessarily identical to that used on the WCSP data. In each case, the validation and edit criteria used are designed to ensure the highest possible degree of data quality.

#### Pension reserve discounting:

These reserves are required to be discounted at 3.5% in the WCSP data but do not have to be discounted at this rate in the financial data.



11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 4 Trending factor development and application
- 4(a) The filer shall provide all information related to the derivation of all trend factors contained in the filing including the following:
- (i) A description of all data reviewed;
  - (ii) A complete description of the methodology used to derive these factors;
  - (iii) A description of alternative methodologies used in the last three years;
  - (iv) A description of the criteria used to select a methodology;
  - (v) Specific details on the application of these criteria in the selection of a methodology for this filing;
  - (vi) Details on the application of the methodology to this filing.

Response

- 4(a) (i) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).
- (ii) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).
- (iii) In the current filing, trends are displayed from the prior filing along with trends based on exponential curves fit to each of the most recent five and eight years of North Carolina data. The trend factors used in the filing were judgmentally selected based on a review of these trend indications and various other considerations. See also Exhibits RB-3 and RB-5. In the previous three filings, the trend factors used in the filings similarly were selected judgmentally based on a review of various trends and other considerations, though the trends displayed varied. See also the response to 11 NCAC 10.1111(2).
- (iv) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).
- (v) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).
- (vi) See Exhibits RB-1, RB-3, RB-5 and the response to 11 NCAC 10.1111(2).

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

4(b) The filer shall calculate the following trend factors:

- (i) Indemnity and medical trend factors based on the latest eight available policy years and accident years of North Carolina paid and paid plus case data;
- (ii) Indemnity and medical trend factors based on the latest eight available policy years and accident years of multi-state paid and paid plus case data.

Response

- (i) See Exhibit RB-1, Appendix A-III of the filing for the policy year paid and paid plus case trend factors. Please note that due to the nature of the financial calls, accident year trend factors based on eight years of data are not available.
- (ii) See attached Exhibit 4(b), which contains the available trend factors based on multi-state data. The multi-state trend factors are computed as premium-weighted averages of the annual trend factors filed in the specified jurisdictions.

**NATIONAL COUNCIL ON COMPENSATION INSURANCE, INC.**  
**FILED ANNUAL LOSS RATIO TRENDS**  
**BASED ON FILINGS MADE DURING THE 2013/2014 FILING SEASON**

<u>State</u>	<u>Indemnity</u>	<u>Medical</u>
ALABAMA	0.970	0.985
ALASKA	0.950	1.000
ARIZONA	0.960	1.005
ARKANSAS	0.945	0.985
COLORADO	0.955	1.000
CONNECTICUT	0.990	1.015
DISTRICT OF COLUMBIA	0.980	0.980
FLORIDA	0.990	1.005
GEORGIA	0.990	1.000
HAWAII	0.955	0.990
IDAHO	0.960	1.005
ILLINOIS	0.995	1.000
INDIANA	0.975	1.020
IOWA	1.000	1.025
KANSAS	0.975	0.995
KENTUCKY	0.950	0.975
LOUISIANA	0.990	1.000
MAINE	0.975	0.990
MARYLAND	0.985	0.995
MISSISSIPPI	0.980	0.995
MISSOURI	0.960	1.005
MONTANA	0.975	1.000
NEBRASKA	0.980	1.005
NEVADA	0.975	0.990
NEW HAMPSHIRE	0.970	1.020
NEW MEXICO	0.965	0.995
OKLAHOMA	0.990	0.995
OREGON	0.985	1.010
RHODE ISLAND	1.000	1.005
SOUTH CAROLINA	0.975	0.995
SOUTH DAKOTA	0.975	1.005
TENNESSEE	0.970	1.000
TEXAS	0.975	0.970
UTAH	0.965	0.990
VERMONT	0.990	1.000
VIRGINIA	0.972	0.992
<u>WEST VIRGINIA</u>	<u>0.960</u>	<u>1.000</u>
<b>All States Average</b>	<b>0.979</b>	<b>0.999</b>



## 11 NCAC 10.1111 – WORKERS COMPENSATION

### Item

- 5 Changes in premium base and exposures. The filer shall provide or estimate the following information on exposure trends:
- (a) The statewide average weekly wage for the latest five available calendar years;
  - (b) The statewide average weekly wage for the latest ten available policy years without the application of a payroll limitation;
  - (c) The statewide average weekly wage for the latest ten available policy years after the application of a payroll limitation; and
  - (d) The estimated statewide average weekly wage for the calendar and policy years during which the rates will be in effect.

### Response

See attached Exhibit 5.

Since there have been no payroll limitations in North Carolina in the past ten years, the response to (b) and (c) will be the same.

The policy year data is calculated using a weighted average of the calendar year data.



**NORTH CAROLINA****Average Weekly Wages<sup>^</sup>****Calendar Year**

2009	757	
2010	786	
2011	806	
2012	828	
2013	846	*
2014	883	*
2015	930	*
2016	969	*

**Policy Year**

2003	651	
2004	675	
2005	700	
2006	727	
2007	749	
2008	758	
2009	769	
2010	794	
2011	815	
2012	835	
2013	861	*
2014	902	*
2015	946	*

<sup>^</sup> Based on data received from the Quarterly Census of Employment and Wages.

\* Estimated.

11 NCAC 10.1111 – WORKERS COMPENSATION

Item

- 6 Limiting factor development and application. The filer shall provide information on the following items:
- (a) Limitations on losses included in the statistical data used in the filing;
  - (b) Limitations on the extent of the rate or loss costs level change;
  - (c) Limitations on the extent of classification rate or loss costs changes; and
  - (d) Any other limitations applied.

Response

- (a) See Exhibit RB-1, Appendix B-I.
- (b) See Exhibits RB-1, RB-3, and RB-5.
- (c) See Exhibit RB-1, Appendix B-III.
- (d) None.



11 NCAC 10.1111 – WORKERS COMPENSATION

Item

7 The percent rate or loss costs change:

(a) The filer shall provide the overall statewide rate or loss costs change, as well as the amount of the change attributable to each of the following: loss experience, a modification of the trend factor, law amendments, a change in the loss-based assessment provision, and any other factors.

(b) The filer shall provide the rate or loss costs changes for each industry group and for each classification.

Response

(a) The components of the proposed overall statewide changes are as follows:

Change in loss experience	0.974
Change in trend	0.990
Change in benefits	0.998
Change in loss-based expense provisions	<u>1.004</u>
<b>Overall Statewide Loss Costs change</b>	<b>0.966</b>
Change in the assigned risk loss cost multiplier	<u>0.989</u>
<b>Overall Statewide Assigned Risk Rate change</b>	<b>0.955</b>

(b) See RB-1, Exhibit I and RB-1, Appendix E.



11 NCAC 10.1111 - WORKERS COMPENSATION

Item

- 8 For assigned risk rate filings, the filer shall include support for a reasonable margin for underwriting profit and contingencies and investment income, including realized capital gains.

Response

This item is not applicable to the loss cost filing.



## 11 NCAC 10.1111 - WORKERS COMPENSATION

### Item

- 9 For assigned risk rate filings, the filer shall provide investment earnings on capital and surplus. Given the selected underwriting profit and contingencies provision contained in the filing, the filer shall indicate the resulting rates of return (including consideration of investment income) on equity capital, on statutory surplus, and on total assets. The filer shall show the derivation of all factors used in producing these calculations and justify the fairness and reasonableness of these rates of return.

### Response

This item is not applicable to the loss cost filing.





## 11 NCAC 10.1111 – WORKERS COMPENSATION

### Item

10 As required by G.S. 58-36-15, the filer shall:

10(a) Provide information on the following aspects of workers compensation individual risk rating plans, including an explanation of their purpose and a detailed description of their derivation:

(i) For experience rating plans, the table of expected loss rate and discount ratios and the table of weighting and ballast values.

(ii) For retrospective rating plans, the table of insurance charges, multipliers (including the derivation of any assigned risk subsidy), and the table of excess loss factors.

### Response

(i) See attached Exhibit 10(a)(i), RB-1, and Exhibit III.

(ii) See attached Exhibit 10(a)(ii) and Exhibit III items RR1-RR2 of the Loss Cost Filing. For the complete table of insurance charges, please refer to the Retrospective Rating Plan Manual. In the Assigned Risk filing, the tax multiplier covers licenses, fees, assessments and taxes that the insurance carrier must pay on its collected premium. For voluntary business, each carrier calculates its own tax multiplier.

## Expected Loss Rates and Discount Ratios

### Expected Loss Rates

An expected loss rate (ELR) estimates the average expected loss level of a classification for the experience rating period. An ELR is a statewide rate that gets applied to payroll in hundreds to estimate the expected losses for a risk. These expected losses are compared with the actual losses of a risk during the experience rating period and used in the calculation of the experience modification (the "mod"). This North Carolina filing, proposed effective 4/1/2015, contains ELRs that will be used to estimate losses during the 4/1/2011 to 3/31/2014 time period for experience ratings to be issued between 4/1/2015 and 3/31/2016.

In the experience mod calculation, expected losses and actual losses must be at the same level to enable an "apples to apples" comparison. The actual losses reflect the statewide data during the experience rating period. Since the proposed loss costs are calculated to reflect the average loss levels of the proposed effective rating period, "unwinding" the proposed loss costs to the experience rating period can derive the ELR. This unwinding is accomplished through the application of ELR factors to the proposed underlying pure premiums. These ELR factors remove effects of development, benefit changes, trend, loss-based expenses, experience, assigned risk programs and any other factors that should not be reflected in the expected losses. The resulting total pure premium (after application of the ELR factors) is multiplied by the manual to earned ratio to derive the ELR for each classification.

Attached, immediately following the text of this memorandum, is an exhibit detailing the ELR factor calculation.

#### Average development, benefits, trend, and loss-based expenses:

The left half of the attached exhibit calculates the factors needed to remove the effects of development to ultimate, benefit changes, trend, etc. from the proposed underlying pure premiums. These factors are weighted with the latest three reports of statistical plan data to adjust the proposed underlying pure premiums by indemnity and medical.

#### Experience adjustment factor:

The proposed underlying pure premiums reflect the proposed experience change in the financial data time period. The ELRs need to reflect the experience change in the experience rating time period. The experience adjustment factor is the ratio of the experience change in the experience rating time period to the experience change in the financial data time period.

ELR composite factor:

The ELR composite factor removes offsets or assigned risk impacts from the proposed underlying pure premiums to bring them to a statewide level. For example, an offset for the change in assigned risk programs would be removed in this step.

Adjustment for Excess Provision and Undeveloped Loss Layer Between Ratemaking Limit and State Accident Limit:

These factors are applied to recognize the fact that limited losses are used in calculating the experience mod, but the underlying pure premiums reflect unlimited losses.

**Discount Ratios**

In experience rating, losses are divided into primary and excess portions. The discount ratio (d-ratio) represents the average ratio of expected "primary" losses to expected total losses for a classification. The function of the d-ratio is to determine what portion of the expected loss shall enter the experience mod calculation as the primary loss.

Under the Experience Rating Plan, a specific fixed dollar amount (called the "split point") is considered to be the primary portion of any loss that exceeds this amount. For a loss less than or equal to the split point, the entire loss is considered primary. In accordance with Item filing E-1402, the split point is adjusted for inflation over time. The below table provides historical split point values in North Carolina.

Date	Split Point
Prior to 4/1/13	\$5,000
Effective 4/1/13	\$10,000
Effective 4/1/14	\$13,500
Effective 4/1/15	\$15,500

D-ratio factors are calculated separately for indemnity and medical losses by hazard group and they represent the percentage of each type of loss that is considered primary. These ratios of primary to total losses are based on the latest three years of statistical plan data. A comparison of the resulting d-ratio factors across hazard groups is done to ensure that the factors monotonically decrease from hazard group A to hazard group G. If they do not, an adjustment is made by averaging the d-ratios over adjacent hazard groups.

The final d-ratio for each classification is calculated as follows:

$$\text{d-ratio} = \frac{\{(HG \text{ indemnity d-ratio factor}) \times (\text{indemnity pure premium}) + (HG \text{ medical d-ratio factor}) \times (\text{medical pure premium})\}}{\text{total pure premium}}$$

**ELR FACTOR CALCULATION**

**ERA Experience Rating**

Exp Rating 3rd rpt 04/01/11	WCSP 3rd rpt Losses	3:U Devel.*	Ultimate Losses	Amend. Factor	On-Level Losses	Trend Factor (10)^4	Trended Losses
Fatal Likely	980,117	1.270	1,244,749	1.016	1,264,665	0.961	1,215,343
Permanent Total	7,149,543	1.270	9,079,920	1.012	9,188,879	0.961	8,830,513
Permanent Partial Likely	159,803,388	1.270	202,950,303	1.009	204,776,856	0.961	196,790,559
Temporary Total Likely	58,992,994	1.270	74,921,102	1.012	75,820,155	0.961	72,863,169
Likely	226,926,042	1.270	288,196,074	1.010	291,050,555	0.961	279,699,584
Fatal Not Likely	9,060,131	1.124	10,183,587	1.016	10,346,524	0.961	9,943,010
Permanent Partial Not Likely	199,958,709	1.124	224,753,589	1.009	226,776,371	0.961	217,932,093
Temporary Total Not Likely	87,138,192	1.124	97,943,328	1.012	99,118,648	0.961	95,253,021
Not-Likely	296,157,032	1.124	332,880,504	1.010	336,241,543	0.961	323,128,124
Medical Likely	168,150,803	1.296	217,923,441	0.973	212,039,508	1.000	212,039,508
Medical Not Likely	266,986,595	1.058	282,471,818	0.973	274,845,079	1.000	274,845,079
Medical	435,137,398	1.150	500,395,259	0.973	486,884,587	1.000	486,884,587

Exp Rating 2nd rpt 04/01/12	WCSP 2nd rpt Losses	2:U Devel.	Ultimate Losses	Amend. Factor	On-Level Losses	Trend Factor (10)^3	Trended Losses
Fatal Likely	404,008	1.538	621,364	1.007	625,714	0.970	606,943
Permanent Total	2,439,896	1.538	3,752,560	1.007	3,778,828	0.970	3,665,463
Permanent Partial Likely	127,352,452	1.538	195,868,071	1.006	197,043,279	0.970	191,131,981
Temporary Total Likely	59,313,785	1.538	91,224,601	1.007	91,863,173	0.970	89,107,278
Likely	189,510,141	1.538	291,466,596	1.006	293,310,994	0.970	284,511,665
Fatal Not Likely	11,530,739	1.273	14,678,631	1.007	14,781,381	0.970	14,337,940
Permanent Partial Not Likely	176,733,023	1.273	224,981,138	1.006	226,331,025	0.970	219,541,094
Temporary Total Not Likely	82,923,115	1.273	105,561,125	1.007	106,300,053	0.970	103,111,051
Not Likely	271,186,877	1.273	345,220,894	1.006	347,412,459	0.970	336,990,085
Medical Likely	156,976,419	1.397	219,296,057	0.980	214,910,136	1.000	214,910,136
Medical Not Likely	276,683,944	1.079	298,541,976	0.980	292,571,136	1.000	292,571,136
Medical	433,660,363	1.194	517,838,033	0.980	507,481,272	1.000	507,481,272

Exp Rating 1st rpt 04/01/13	WCSP 1st rpt Losses	1:U Devel.	Ultimate Losses	Amend. Factor	On-Level Losses	Trend Factor (10)^2	Trended Losses
Fatal Likely	0	2.505	0	1.001	0	0.980	0
Permanent Total	1,143,715	2.505	2,865,006	1.001	2,867,871	0.980	2,810,514
Permanent Partial Likely	56,106,913	2.505	140,547,817	1.001	140,688,365	0.980	137,874,598
Temporary Total Likely	57,544,390	2.505	144,148,697	1.001	144,292,846	0.980	141,406,989
Likely	114,795,018	2.505	287,561,520	1.001	287,849,082	0.980	282,092,101
Fatal Not Likely	12,703,789	1.689	21,456,700	1.001	21,478,157	0.980	21,048,594
Permanent Partial Not Likely	101,918,922	1.689	172,141,059	1.001	172,313,200	0.980	168,866,936
Temporary Total Not Likely	97,658,523	1.689	164,945,245	1.001	165,110,190	0.980	161,807,986
Not Likely	212,281,234	1.689	358,543,004	1.001	358,901,547	0.980	351,723,516
Medical Likely	138,361,446	1.636	226,359,326	0.994	225,001,170	1.000	225,001,170
Medical Not Likely	280,831,859	1.122	315,093,346	0.994	313,202,786	1.000	313,202,786
Medical	419,193,305	1.292	541,452,672	0.994	538,203,956	1.000	538,203,956

Injury Type	Development	x Benefit	x Trend	x(LBP)	= Total	Reciprocal
Indemnity	1.452	1.006	0.970	1.170	1.658	0.603
Medical	1.211	0.983	1.000	1.170	1.393	0.718
Total	1.333	0.995	0.984	1.170	1.527	0.655

\* Development factor limited at \$500,000.

**NORTH CAROLINA**

04/01/15

1st Report WCSP Start: Jan-11  
1st Report WCSP End: Dec-11

	Indemnity	Medical
1.) Reciprocal Weighted Averages	0.603	0.718
ERA Medical Adjustment Factor		0.908
Final Weighted Averages	0.603	0.652

	Overall
2.) (a) Trended WCSP Experience Change	1.146
(1) WCSP Experience Change	1.172
(2) WCSP Trend	0.978
(3) Adjustment to Target Off-Balance(Mult.)	1.000

(b) Financial Data Experience Change	0.974
--------------------------------------	-------

(c) Experience Adj. Factor (a)/(b)	1.177
------------------------------------	-------

3.) ELR Composite Factor (1)x(2)	1.000
(1) Change in MPM	1.0000
(2) Other Adjustments (Mult.)	1.000

	Indemnity	Medical
4.) Avg. RERP/GERT ELR Factor	0.710	0.845
Avg. ERA ELR Factor	0.710	0.767
[(1)x(2c)/(3)]		

**5.) Adjustment for Excess Provision and Undeveloped Loss Layer Between Ratemaking Limit and SAL**

	HG A	HG B	HG C	HG D	HG E	HG F	HG G
Indemnity & Medical Combined	0.837	0.784	0.757	0.719	0.669	0.63	0.568

6.) Adjustments (a)x(b)	1.000	1.000	1.000	1.000	1.000	1.000	1.000
(a) ERA Adj.	1.000	1.000	1.000	1.000	1.000	1.000	1.000
(b) Flat Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000

**7.) Individual Risk Rating Group Adjustment Factors**

(a) Indemnity Adj. Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000
(b) Medical Adj. Factor	1.000	1.000	1.000	1.000	1.000	1.000	1.000

**8.) ELR Factors**

ERA							
Indemnity [(4 Ind)x(5)x(6)x(7)]	0.594	0.557	0.537	0.510	0.475	0.447	0.403
Medical [(4 Med)x(5)x(6)x(7)]	0.642	0.601	0.581	0.551	0.513	0.483	0.436

**9.) LAE & Assessment**

Loss Adj. Expense	1.170
Indemnity Assessment	1.00000
Medical Assessment	1.00000
Overall Assessment	1.00000

**10.) Financial Data Annual Trend**

Indemnity	0.990
Medical	1.000

## The Table of Insurance Charges

### What is the Table of Insurance Charges?

This table is the source of the "insurance charges and savings" used in the retrospective rating plans. On a voluntary basis, the policyholder is hoping to reap the benefit of good experience at the risk of bearing the costs of possible bad experience within the limits of the plan.

A retrospective rating plan responds to policyholder's loss experience by adjusting the final premium on the basis of this experience, subject to certain restrictions agreed upon in the policy at issuance. One important restriction is the limitation of the final premium to a maximum amount. When the policyholder chooses a maximum premium, the insurance company will then use an industrywide average cost for the expected dollars above this maximum.

This type of limitation makes it possible for a policyholder to purchase a retrospectively rated policy, even if the policyholder cannot afford to pay for extremely adverse experience. The Table of Insurance Charges tabulates these average costs, which are developed from actual industry experience.

Many retrospectively rated plans also have a minimum premium set above the costs of servicing the policy. In this case, there will be an average credit in the premium of the insured because some policyholders will have losses below the minimum, resulting in a net savings to the insurer. This savings is distributed equitably to all plan participants. In addition to being the source of the insurance charges, the Table is also the source of the insurance savings.

On the average, it is expected that losses paid by the policyholder plus the insurance charge paid to the insurance company will sum to total expected losses. This is called a balanced plan. In reality, this will not always work perfectly because insurance charges are based on past experience. Because of this, the Table of Expected Loss Ranges is updated regularly to bring the rating process closer to the ideal balance.

### Why do we need insurance charges?

Essentially, this question has to be answered in two steps:

- a) There is a need for retrospectively rated policies in the insurance marketplace.
- b) Although the policyholder may wish to pay his/her own losses within limits, he/she may not have the financial reserves to retain unlimited loss potential.

The first point is discussed in many places in the standard insurance literature. Some policyholders simply would like to pay for their own costs to the greatest extent possible without relying on industry rates. Others have a more specific reason—such as a belief that their safety program will produce superior results.

Few corporate entities are strong enough to retain unlimited exposure to loss. Even large insurance companies buy reinsurance to further spread the risk. An insurance charge to limit the loss ratio in a retrospectively rated policy is analogous to a reinsurance premium.

How is the Table of Insurance Charges structured?

To use the Table, one must know the Expected Loss Group assignment of a policyholder and the entry ratio for the subject retrospective rating plan.

Because of the law of large numbers, the variance in results tends to decrease with increasing premium size. Since insurance charges measure the amount of loss above certain loss ratios, it follows that for any fixed maximum loss ratio, decreasing variance leads to decreasing insurance charges for larger policyholders. The Table is therefore indexed by Expected Loss Size Ranges determined by expected losses (expected loss ratio times standard premium).

The Table of Insurance Charges also needs an index determined by the loss ratio at which one wishes to measure the insurance charge. If one used the actual loss ratio as the index, the Table would be valid for only one expected loss ratio. To eliminate the need to create a Table of Insurance Charges for each expected loss ratio, the entry ratio (the particular loss ratio divided by the expected loss ratio), is used.

## North Carolina

### Calculation of State and Federal Tax Multipliers Effective April 1, 2015

	Assigned Risk
A. Proposed overall state loss assessments	1.0000
B. Proposed state premium taxes and assessments	
1. Premium Tax	0.0266
2. Miscellaneous Tax	0.0030
C. Total of proposed state premium taxes and assessments	0.0296
D. Proposed target cost ratio	0.596
E. Loss adjustment expense provision	1.170
F. State permissible loss ratio = $[(D) / ((A)+(E)-1.000)]$	0.509
G. Expense and Profit, excluding taxes and assessments = $1-(C)-(F)$	0.461
H. State tax multiplier = $[(G)+(A)x(F)] / [(F)+(G)] \times [1 / (1-(C))]$	1.031
I. Proposed overall federal assessment	1.070
J. State weight ^	0.134
K. Federal weight ^	0.866
L. Weighted federal assessment = $((A)x(J)) + ((I)x(K))$	1.061
M. Federal permissible loss ratio = $[(D) / ((E)+(L)-1.000)]$	0.484
N. Federal tax multiplier = $[(G)+(L)x(M)] / [(G)+(M)] \times [1 / (1-(C))]$	1.063

^ From F-class summary data.



### Excess Loss Factors

At the onset of a policy, the insurer and the insured may agree that the final premium paid by the insured can be a function of not only the payroll, but also of the actual losses during the coverage period. An arrangement of this sort is formalized in the Retrospective Rating Plan as approved in most states. Ultimate premium is based on actual losses, expenses and a net insurance charge to compensate for the application of maximum and minimum aggregate amounts.

For most insureds, the maximum premium can be a burdensome amount, but an amount they are reasonably confident they will not have to pay. However, there remains a fear that a single disastrous accident may cause enough loss by itself to result in the maximum premium being charged. Because of this, the insured may select a "loss limit" or cap on individual losses that enter the retrospective premium formula.

Charges for excess coverage can be calculated using excess loss factors (ELFs). These vary by the state and hazard group assignment of the insured as well as the selected loss limit. The excess coverage is on a per occurrence basis. Therefore, the portion of the loss in excess of the loss limit due to a single occurrence (possibly multiple-claim) is excluded from the calculation of the retrospective premium.

The ELF for a given loss limit can be applied to standard premium to generate the pure loss charge for the coverage. The tax multiplier is applied to the final retrospective premium to compensate for taxes, loss assessments and other miscellaneous items.

The distribution of losses in excess of the selected loss limit (i.e., the excess ratios) is central to the ELF calculation. These distributions vary by hazard group, injury type, and by the state's applicable benefit structure. In particular, North Carolina's benefits are considered "limited" due the existence of a specified duration of time for which benefits are payable.

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORS**

**EXHIBIT 3  
INFORMATIONAL EXHIBIT**

**Overview of the Proposed NELF Methodology<sup>1</sup>**

The excess ratio curves underlying the proposed state ELF's are being modified in this update. The latest valuation of case incurred loss amounts from NCCI's Statistical Plan are compiled across 36 states and combined for five older policy periods, corresponding to policy periods within the 2000-2005 timeframe. These policy periods are selected to use claim amounts evaluated as of 6<sup>th</sup> through 10<sup>th</sup> reports. Using this data, one countrywide curve is generated for each claim group (5 curves).

**Claim group**—Every claim is assigned to one of the following 5 claim groups using its latest evaluation:

1. Fatal
2. Permanent Total
3. Permanent Partial and Temporary Total—Likely-to-Develop
4. Permanent Partial and Temporary Total—Not-Likely-to-Develop
5. Medical-Only

The claim groups are based on claims characteristics reported to NCCI for injury type, part of body, and open versus closed status. The injury types reported to NCCI are Fatal, Permanent Total (PT), Permanent Partial (PP), Temporary Total (TT), and Medical-Only. A combination of injury type, part of body, and open versus closed claim status is used to determine whether a claim is in the Likely-to-Develop category or the Not-Likely-to-Develop category.<sup>2</sup>

The loss amounts on open claims are stochastically dispersed and developed to ultimate value. While aggregate loss development accounts for the average difference between reported loss amounts to date and loss amounts at ultimate value, dispersion accounts for the uncertainty surrounding individual claim outcomes. For example, if two claims, initially at \$200,000 each developed to \$250,000, the empirical excess ratio at \$300,000 would be zero and the aggregate loss development factor (LDF) would be 1.25. However, if one claim developed to \$400,000 and one claim developed down to \$100,000, then the excess ratio at \$300,000 would be greater than zero, but the aggregate LDF would still be 1.25.

Closed claim amounts are not developed nor dispersed. Open claims develop over a time period until time of closure, the maximum duration of which varies by claim group. The development and dispersion programs determine the contribution of each claim to the final excess ratios. The overall loss development resulting from this process is balanced to development factors underlying loss cost filings by state, claim group, and policy period.

<sup>1</sup> For purposes of this overview, the term ELF encompasses Excess Loss Factor (ELF), Excess Loss and Allocated Expense Factor (ELAEF), Excess Loss Pure Premium Factor (ELPPF), and Excess Loss and Allocated Expense Pure Premium Factor (ELAEPPF).

<sup>2</sup> More details may be found in the following CAS paper: Thomas V. Daley, "Class Ratemaking for Workers Compensation: New Developments in Loss Development" *Variance* 2013, Volume 6, Issue 2.

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORS**

**EXHIBIT 3 (CONT'D)  
INFORMATIONAL EXHIBIT**

The excess ratios are defined as the ratio of expected losses greater than a particular limit to total expected losses. Tables of excess ratios are indexed by entry ratio—the ratio of the loss limit per claim to the average loss per claim. For each claim group, NCCI undertakes the following:

- Using the countrywide data, 5,000 empirical excess ratio values are determined. Once the empirical excess ratios are determined, a set of two lognormal curves is fit through the values to generate a smooth excess loss curve.
- The mixture of two lognormal curves form the body of the curves at lower entry ratios.
- At high-entry ratios, where the data becomes sparse, a generalized Pareto tail is spliced onto the body of each curve using extreme value theory to account for large events.
- The countrywide curves are normalized to a mean of 1.0. The excess ratios for losses above a given loss limit and claim group are obtained from the normalized curve by using the curve's value at the entry ratio for that loss limit.
- State excess ratio curves are shaped directly from the countrywide curves for each claim group using the credibility-weighted standard deviation of logged claim amounts for each state relative to the same value for countrywide.
- This calculation determines a proxy coefficient of variation (CV) based on each state's five policy periods of data at 6<sup>th</sup> through 10<sup>th</sup> reports relative to the CV of the countrywide data at the same maturity.
- These credibility-weighted relativities (R-values) vary by claim group, and are applied to the parameters of the countrywide curves. The state curves are renormalized to a mean of 1.0.
- On a per-claim basis, excess ratios are calculated by claim group and then weighted together to arrive at excess ratios for all claim groups combined. For a given state, hazard group, and loss limit, the excess ratio is constrained to be no less than the excess ratio for a lower hazard group for the same state and loss limit.
- The change from a per-claim to a per-occurrence basis is done using countrywide data through the application of the results of a new model, which captures the number and amounts of individual claims per occurrence, as well as the correlation between claim amounts for claims within an occurrence.
- Events exceeding \$50 million are considered catastrophes and non-ratable, so the excess provision for losses beyond \$50 million is removed and the excess ratios are adjusted and rescaled.
- Final ELF's (or ELPPFs, ELAEPPFs, etc.) are determined by applying the appropriate expense ratios for that state.

The average cost per case (ACC) is used to calculate the final ELF value. The ACC for each claim group and hazard group is used to calculate the entry ratio for each loss limit (entry ratio = loss limit / ACC), and

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORS**

**EXHIBIT 3 (CONT'D)  
INFORMATIONAL EXHIBIT**

the entry ratio is then used to determine the excess ratio. The same excess ratio curves can be used repeatedly by updating the ACC (and loss weights) by claim group and hazard group periodically.

The excess ratios for each claim group are weighted together using the loss weights by claim group to produce one excess ratio per loss limit for a given hazard group.

**Determining the ACC and Loss Weights Using Net Statistical Models**

NCCI has created and tested two Bayesian statistical multilevel factor models. NCCI uses the output from the models to smooth the volatility in the data, pulling information out of the observed data, while discarding the random noise. This is especially important in smaller states, as ELF's are produced by:

- State
- Hazard group
- Claim group

The two models produce the following output: a) fitted state average costs per case, and b) fitted state claim counts. The fitted values are multiplied together to determine the ultimate losses. The loss weights are the portion of ultimate losses from each claim group, and they are applied to the excess ratios by claim group to determine the final ELF's.

The observed losses that enter the calculation of the ACC are developed, on-leveled for benefit changes, and trended to the midpoint of the filing effective period. For each state, the adjusted losses are brought to an ultimate value by claim group and hazard group for indemnity and medical components. The latest five available Statistical Plan policy periods for each state are used. Claim counts are also developed to ultimate value for the five policy periods, and observed average costs per case are determined at a claim group and hazard group level. The observed values are simultaneously input to the multilevel model for each state.

The model strives to find the optimal balance between responsiveness and stability by considering both observed claim counts and intrastate variation relative to the interstate variation. All parameters are estimated simultaneously and only reflect the following included claim groups:

- Fatal
- Permanent Partial and Temporary Total—Likely-to-Develop
- Permanent Partial and Temporary Total—Not-Likely-to-Develop

Due to the large number of observed claims and their minor impact on the magnitude of excess ratios, the empirical medical-only ACC is used, and thus, these claims are not modeled. The permanent total claim group is treated differently, and described in detail in another section of this document.

The following briefly describes each element or parameter of the ACC model output:

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORS**

**EXHIBIT 3 (CONT'D)  
INFORMATIONAL EXHIBIT**

**Fitted 1, e Average Cost per Case** represents the fitted severity for each claim group in the "typical" state at a Hazard Group A level. The value of this parameter is constant across states, analogous to a base rate conceptually.

**State Relativity** is the ratio of the severity for the state to the severity for the typical state. State Relativities reflect all absolute state differences in a state's ACC and is normalized to a geometric mean of 1.0 across all states.

**Claim Group-Hazard Group Relativity** is the ratio of the ACC for a given hazard group (within a claim group) to the ACC for all hazard groups (within a claim group). Claim Group-Hazard Group Relativities reflect how severity varies across hazard groups within each claim group. The value of these parameters is constant across states.

**State-Claim Group Relativity** is the ratio of the ACC for a given claim group to the ACC over all claim groups. State-Claim Group Relativities reflect relative claim group severity and are normalized to a geometric mean of 1.0 by state and claim group. The value of these parameters varies across states.

**Fitted State Average Cost per Case** represents the fitted severity and is the product of the four parameters above. The relativities are multiplied together by matching state, hazard group, and claim group fields.

The other statistical model computes values used to calculate fitted state claim counts. In addition to using the same five policy periods of adjusted losses and claim counts as the ACC model as inputs, five policy periods of actual payroll by hazard group and report period are also input into the claim count model for frequency (claims per million dollars of payroll).

Several parameters are estimated from the Bayesian multilevel model, which strives to find the optimal balance between responsiveness and stability by considering both volume and intrastate variation relative to the interstate variation. All parameters are estimated simultaneously and are based only on the included claim groups (i.e., Fatal, Likely PP/TT, and Not Likely PP/TT).

The following briefly describes each element or parameter of the model output for determining fitted claim counts.

**Observed Payroll (\$million)** is shown by state, policy period, and hazard group. This is a model input, not an output. It serves as a measure for the exposure base.

**Policy Period Relativity** is the ratio of claim count per payroll for a given policy period to the ratio of claim count per payroll of the latest policy period. Policy period relativities reflect any temporal differences in the relationship between payroll and claim counts. Possible reasons for shifts over time include, but are

ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORSEXHIBIT 3 (CONT'D)  
INFORMATIONAL EXHIBIT

not limited to, wage level changes. These parameters, and the patterns they reflect, are constant across all states, hazard groups, and claim groups. The latest policy period is base level 1.000.

**Adjusted Payroll** is the sum product of Policy Period Relativities and Observed Payroll for the state. It represents total payroll adjusted to a common "policy period" level.

**State Relativity** in this model, is the ratio of claim count per payroll for the state to claim count per payroll for a typical state. The State Relativity reflects all absolute state differences in claim frequency and is normalized to a geometric mean of 1.0 across all states.

**State-Hazard Group Relativity** is the ratio of claim count per payroll for a given hazard group to claim count per payroll over all hazard groups. State-Hazard Group Relativities reflect state variation in hazard group frequency without capturing any absolute state or hazard group differences and are normalized to a geometric mean of 1.0 by state and hazard group. The value of these parameters differs by state.

**Claim Group Frequency** represents the fitted frequency for the "typical" state at a Hazard Group A level for policy period. The value of these parameters is constant across states.

**Claim Group-Hazard Group Relativity** in this model, is the ratio of the claim count per payroll for a given hazard group (within a claim group) to the claim count per payroll over all hazard groups (within a claim group). Claim Group-Hazard Group Relativities reflect how frequency varies across hazard groups within each claim group, relative to the frequency of Hazard Group A. The value of these parameters is constant across states.

**State-Claim Group Relativity** in this model, is the ratio of the claim count per payroll for a given claim group to the claim count per payroll over all claim groups. State-Claim Group Relativities reflect relative claim group frequency and are normalized to a geometric mean of 1.0 by state and claim group. The value of these parameters varies across states.

**Fitted State Claim Count**, represent the fitted total claims over the five policy periods. The five-year total is directly computed by first calculating Adjusted Payroll. The fitted state claim counts are the product of the following parameters, and presented as nonintegers for fatal and PT claim groups:

- Adjusted Payroll
- State Relativity
- State-Hazard Group Relativities
- Claim Group Frequency
- Claim Group-Hazard Group Relativities
- State-Claim Group Relativities

ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORSEXHIBIT 3 (CONT'D)  
INFORMATIONAL EXHIBIT

A hypothetical example of the model output for State X for both models is included as informational Exhibits 4 and 5 to illustrate the new calculations of the fitted state ACC and the fitted state claim counts.

Due to the large number of observed claims, and the relatively minimal impact that the medical-only claim group has on the magnitude of excess ratios, the empirical medical-only values are used and thus, the claims are not modeled. The permanent total claim group is treated differently, and described in another section of this document.

**Treatment of the Permanent Total Claim Group**

Because of the low PT claim volume and high variation in individual PT claim amounts, average reported PT costs per case in all but the largest states can be quite volatile from year to year, and resulting ELF values could fluctuate considerably from year to year.

To reduce fluctuations in ELFs from year to year, two fundamental amounts are determined and held constant by NCCI. They are:

1. An initial PT average cost per case by state and hazard group
2. The PT share of lost-time claims by state and hazard group

This treatment stabilizes ELFs from one year to the next by reducing volatility due to reported data while allowing responsiveness to changes in state average claim cost trends.

The state PT expected claim counts are determined by the same multilevel model used for determining the fitted state claim counts. However, the inputs include PT claim counts by state and hazard group along with data for the other lost-time claim groups, developed to ultimate value. In addition, the initial PT model output is based upon the data underlying the base time periods at 6<sup>th</sup> through 10<sup>th</sup> reports used for determining the excess ratio curves. This approach allows us to use more mature data for PT claims while still utilizing recent information from the other claim groups.

The proportion of total lost-time claim counts represented by the PT claim group is held constant over time, and applied to the total of the fitted state claim counts for the purpose of stabilizing loss weights over time. The indicated PT claim count is the product of this constant initial PT proportion, to the annually updated sum of the lost-time claim counts for the other claim groups.

The state PT ACC is determined by the same multilevel model used for determining the state fitted ACC. However, the inputs include PT loss amounts by state and hazard group along with data for the other claim groups developed to an ultimate value. In addition, the initial PT model output is based upon the data underlying the base time periods at 6<sup>th</sup> through 10<sup>th</sup> reports used for determining the excess ratio curves.

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORS**

**EXHIBIT 3 (CONT'D)  
INFORMATIONAL EXHIBIT**

The PT ACC is trended to the appropriate level in two stages:

1. From the base time period for the initial ACC to the midpoint of the latest 5-year experience period for the annual ELF update
2. From the midpoint of the experience period for the annual ELF update to the midpoint of the period that the updated ELFs are expected to be effective

The first stage uses countrywide trend factors of 5.0% per year for indemnity and 6.7% per year for medical. These trends are the average annual changes from Accident Year (AY) 2002 to AY 2008 per the NCCI Countrywide Frequency and Severity Analysis. The 2002 to 2008 period was selected to avoid certain possibly distorting influences on long-term severity changes. Before AY 2002, frequency of small claims declined faster than frequency of larger claims, resulting in larger annual severity changes than changes in costs for comparable wages and medical services indicated. After AY 2008, the Great Recession had a distorting effect on average claim sizes. NCCI tested alternatives of using state severity throughout the entire period. The selected approach proved to have the best balance between stability and responsiveness to state specific data.

The second stage uses state-specific lost-time severity trend factors for indemnity and medical from the most recent state loss cost or rate filing. The resulting trends from each stage are multiplied to determine a combined trend amount.

The other PT adjustment factors account for state-specific benefit on-levels and an indemnity and medical loss split, and are applied to determine the indicated PT average cost per case. The PT indemnity and medical loss split is calculated based on the PT losses used in the multilevel model that determines the PT state average cost per case.

Derived using an assumption of a constant ratio of the number of PT claims to total indemnity claims at the state and hazard group level, PT loss weights are the product of the indicated PT claim count and the indicated PT ACC for the state.

**Determining Loss and Allocated Loss Adjustment Expense Excess Loss Factor (%)**

Retrospective rating may be applied to incurred losses including allocated loss adjustment expenses (ALAE). If an insured selects this type of plan, Excess Loss and Allocated Loss Adjustment Expense Factors (ELAEFs) are applied. An ELAEF represents the ratio of expected losses and ALAE greater than a particular loss limit to standard premium. An ELAEPPF corresponds to the ratio of expected losses and ALAE greater than a particular loss limit to NCCI pure premium.

In NCCI's current methodology, the average severities of only Fatal, Permanent Total, and Permanent Partial claims are scaled up by a single factor calculated to balance in resulting dollars to what was

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORS**

**EXHIBIT 3 (CONT'D)  
INFORMATIONAL EXHIBIT**

implied by the statewide estimated ratio of ALAE to pure loss. No ALAE is allocated to Temporary Total and Medical Only Claims. This implicitly assumed a higher ratio for ALAE to pure loss for more serious injury types, and thus, for larger claims.

Examination of historical data has shown that the ratio of ALAE to pure loss tends to be smaller for more serious claim groups and also for larger claims within each claim group. The new methodology for accounting for ALAE is now consistent with these empirical observations.

Column (3) of the following table illustrates the claim group relativities NCCI is applying to all states. These ratios are based on historical countrywide estimates of ALAE to pure loss by claim group, but scaled to balance to what is implied by the statewide estimated ratio of ALAE to pure loss (in this case, 0.127):

Claim Group	Pure Loss Se"\$%)	CW ALAE Adjustment	Off-Balance "1:)"\$ (4) = 0.127/Total (3)	ALAE Adjustment "1:)"\$ (5) = (3) x (47)	Loss & ALAE Se"\$%) (6) = (2) x [1.0 + (57H
(1)	(2)	(5)17			
Fatal	356,203	0.0590	1.190	0.0702	381,208
PT	1,955,493	0.0782	1.190	0.0931	2,137,549
Likely PP/TT	139,253	0.1188	1.190	0.1414	158,943
Not-Likely PP/TT	36,575	0.1132	1.190	0.1347	41,502
Medical-Only	1,414	0.1320	1.190	0.1571	1,636
Total	n/a	0.1067	1.190	0.1270	n/a

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORS**

**EXHIBIT 3 (CONT'D)  
INFORMATIONAL EXHIBIT**

Average pure loss severities by claim group in column (2) are multiplied by estimated ratios of ALAE to pure loss by claim group, scaled to the state ALAE level as shown in column (5).

Excess ratio curves by state and claim group have been fit separately, both for pure loss data and for loss + ALAE data, respectively. The latter data was based on an estimate for ALAE/loss that varies by state, claim group, and size of claim. The state loss + ALAE excess ratio curves are calculated by interpolating between the loss only and loss + ALAE curve based on the state's ratio of ALAE to loss relative to countrywide. These two excess ratio shape curves are weighted together by applying a weight W to the loss + ALAE curve and correspondingly applying the weight (1-W) to the pure loss curve.

$$W = (\text{ratio of statewide ALAE/loss}) / (\text{ratio of countrywide ALAE/loss})$$

The weighting procedure is applied for each claim group in the state.

The fitted state average cost per case by hazard group is multiplied by the scaled state ALAE factor to get the resulting loss + ALAE average cost per case. The total losses used in determining the loss weights are adjusted to include ALAE from the scaled state factors in column (5), and are used for determining the loss and ALAE weights across claim group and hazard group.

**Comparison of Methodology Changes by Component**

Component	Current Methodology	Proposed Methodology
Organization of the Data	Curves by Injury Type: Fatal, PT, PP, TT and Medical-Only	Curves by Claim Group: Fatal, PT, Likely PP&TT, Not-Likely PP&TT, and Medical-Only
Maturity of the Data	Curves based on PYs 1995-1997 <ul style="list-style-type: none"> <li>3rd through 5th reports for Fatal and PT</li> <li>5th report only for PP, TT, and Medical-Only</li> </ul>	Curves based on PYs 2000-2005 <ul style="list-style-type: none"> <li>6th through 10th reports for all claim groups</li> </ul>
Loss Development and Dispersion	<ul style="list-style-type: none"> <li>One Gamma LDF was applied to all open claims within a state, report, and injury type</li> <li>Each open claim was replaced by 173 observations</li> </ul>	<ul style="list-style-type: none"> <li>LDF distribution varies by size of claim for claims prior to 10<sup>th</sup> report</li> <li>Less relative development applied to larger claims through regression model</li> <li>A lognormal distribution is assumed for the ultimate LDF</li> </ul>
Form of Body of Curves	Empirical excess ratio tables by: <ul style="list-style-type: none"> <li>State</li> <li>Injury type</li> </ul>	Mixture of two lognormal excess ratio functions fitted for each claim group
Form of Tail of ELF	Mixed exponential tail by state and	A Generalized Pareto (GPD) tail is

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORS**

Curves	injury type	spliced on each CW curve by claim group
Adjusting Countrywide Curves to the State Level	Not Applicable	Countrywide parameters are adjusted to the state level using the state's R value. The R-value is the state's credibility-weighted proxy CV relative to the countrywide proxy CV and is calculated by claim group
Determination of Average Costs per Case and Loss Weights	Empirical data is used to compute average severities and loss weights by: <ul style="list-style-type: none"> <li>State</li> <li>Injury type</li> </ul> Countrywide tables are used to adjust severities and distribute losses to hazard groups	Two Bayesian multilevel models to determine fitted severities and fitted claim counts by: <ul style="list-style-type: none"> <li>State</li> <li>Claim group</li> <li>Hazard group</li> </ul>
Stabilizing ELFs for Annual Updates	<ul style="list-style-type: none"> <li>PT severity and weights are subject to volatility, especially in smaller states</li> <li>Ad hoc tempering is applied to mitigate the impact of data outliers or unusually large changes</li> </ul>	<ul style="list-style-type: none"> <li>PT severities (based on the same data as the curves) are locked-in and adjusted forward each year for trend and benefit on-levels</li> <li>The ratios (by state and hazard group) of expected PT claim counts to expected non-PT lost-time claim counts will remain constant</li> <li>Excess ratios are no longer averaged with the prior year</li> </ul>
Excess Ratio Adjustments	Current curves include a differential trend additive adjustment and an adjustment for large events not represented in the data (up to \$50 million)	<ul style="list-style-type: none"> <li>The differential trend additive adjustment is removed</li> <li>The adjustment for large events is removed due to the use of extreme value theory in developing the curves</li> <li>Final excess ratios are adjusted to limit occurrences to \$50 million</li> </ul>
Inclusion of ALAE by Claim Group and Size of Loss	<ul style="list-style-type: none"> <li>Severities for Fatal, PT, and PP are scaled by a common factor to include statewide ALAE using the same shape curves as for pure loss excess ratios</li> <li>No ALAE is included for TT and Medical-Only</li> <li>Does not recognize differences in ALAE by size of loss</li> </ul>	<ul style="list-style-type: none"> <li>Severities are scaled by separate claim group relativities (balanced to get the correct statewide total ALAE)</li> <li>Countrywide shape curves including ALAE are fitted for each claim group and then CV adjusted similar to loss</li> <li>Weighted at state level with pure loss shape curves based on how the statewide ALAE/Loss ratio compares to the overall countrywide ALAE /Loss ratio</li> </ul>

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—  
EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED  
EXPENSE PURE PREMIUM FACTORS**

**EXHIBIT 3 (CONT'D)  
INFORMATIONAL EXHIBIT**

**Advantages of the Proposed Methodology**

The enhancements that NCCI has added to the new ELF methodology provide many practical and theoretical advantages over the current methodology. This approach lends itself to more year-to-year stability by state than the current methodology. Some of the major advantages include the following:

- A large volume of data is pooled to calculate the proposed countrywide excess ratio curves.
- Deriving state curves from the countrywide curves is less sensitive to data outliers than empirical excess ratios by state by injury type used in the current methodology.
- The data is more recent and more mature (6<sup>th</sup> through 10<sup>th</sup> reports) than used in the previous curves; result is less uncertainty for estimating loss development and dispersion due to fewer open claims.
- The injured part of body data element is utilized in the proposed excess ratio curves.
- The reconfiguration of the permanent partial and temporary total claims into the likely-to-develop and not-likely-to-develop claim groups reduces claim crossover from one injury type to another, which can distort the excess ratio calculations.
- State curves are tailored using the state's proxy CV and will capture differences in benefit structures (for example, existence of cost of living allowances [COLAs]). Parameters can be modified to reflect a change in curve shapes over time.
- Lognormal mixtures are spreadsheet friendly functional forms.
- Statistical modeling is introduced to capture the signal from the data and smooth out fluctuations.
- Statistical models account for correlations between states due to differences in a state's severity, frequency, and/or industry mix.
- More stability is introduced by eliminating the impact of permanent total claims emerging into or departing from the latest data used in determining the severities and loss weights.
- The fact that the ALAE/Loss ratio tends to be higher for less severe injury types and less for larger claims within a given injury type is now reflected.

**General Patterns of ELF Results on Countrywide Basis**

The impact from implementation of the proposed ELF methodology varies by state, by loss limit selected, and by hazard group. Although results vary by state, because state curves are shaped from countrywide curves, it may be useful to describe a few general patterns of the countrywide curves. Based upon an NCCI countrywide ELF analysis, the proposed methodology and current methodology were compared by weighing together the five countrywide excess ratio curves across the claim groups. In applying the new methodology to the same data underlying the current approved ELF's, NCCI's general observations are:

- The shape of the countrywide excess ratio curves are changing
- At most loss limits below \$3 million, the proposed excess ratios are increasing slightly from the latest filed values
- At limits beyond \$3 million, the proposed excess ratios begin to decrease noticeably from the latest filed values

**ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—EXCESS LOSS  
PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED EXPENSE PURE PREMIUM  
FACTORS**

**EXHIBIT 4  
INFORMATIONAL EXHIBIT - EXCESS LOSS FACTORS FOR STATE X  
CALCULATION OF STATE AVERAGE COST PER CASE  
FOR ILLUSTRATION PURPOSES ONLY**

**Exhibit 4.A**

**Fitted Base Average Cost Per Case**

Claim Group	
Fatal	271,079
Likely PP/TT	91,826
Not Likely PP/TT	24,027

**Exhibit 4.B**

State Relativity	0.916
------------------	-------

**Exhibit 4.C**

**Claim Group-Hazard Group Relativities**

Claim Group	Hazard Group						
	A	B	C	D	E	F	G
Fatal	1.000	1.124	1.155	1.246	1.342	1.456	1.548
Likely PP/TT	1.000	1.281	1.357	1.593	1.864	2.210	2.515
Not Likely PP/TT	1.000	1.233	1.294	1.482	1.692	1.955	2.180

**Exhibit 4.D**

**State-Claim Group Relativities**

Claim Group	
Fatal	0.596
Likely PP/TT	1.449
Not Likely PP/TT	1.158

**Exhibit 4.E**

**Fitted State Average Cost Per Case**

Claim Group	Hazard Group						
	A	B	C	D	E	F	G
Fatal	148,003	166,331	170,911	184,418	198,682	215,466	229,133
PT*	1,170,455	1,619,884	1,777,110	2,067,076	2,492,614	3,023,908	3,528,555
Likely PP/TT	121,921	156,165	165,392	194,210	227,210	269,494	306,680
Not Likely PP/TT	25,477	31,405	32,966	37,757	43,110	49,798	55,544
Med-Only**	1,212	1,370	1,377	1,529	1,664	1,869	1,771

\* The Permanent Total values are determined using a different approach, as described within Informational Exhibit 3.

\*\* Medical Only average values are based on observed non-fitted data.



ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED EXPENSE PURE PREMIUM FACTORS

EXHIBIT 5  
INFORMATIONAL EXHIBIT - EXCESS LOSS FACTORS FOR STATE X  
CALCULATION OF STATE CLAIM COUNTS  
FOR ILLUSTRATION PURPOSES ONLY

Exhibit 5.A  
Payroll (\$ million)

Policy Period	Hazard Group						
	A	B	C	D	E	F	G
5/1/09-4/30/10	922	3,217	14,229	3,087	5,601	1,788	562
5/1/08-4/30/09	891	3,233	13,946	3,060	5,417	1,792	545
5/1/07-4/30/08	911	3,300	14,175	3,109	5,634	1,866	546
5/1/06-4/30/07	837	3,084	13,239	2,773	5,416	1,803	562
5/1/05-4/30/06	766	2,961	12,928	2,582	5,146	1,680	534

Exhibit 5.B

Policy Period	Relativity
5/1/09-4/30/10	1.000
5/1/08-4/30/09	1.016
5/1/07-4/30/08	1.108
5/1/06-4/30/07	1.199
5/1/05-4/30/06	1.289

Exhibit 5.C

Adjusted Payroll (\$ million)	Hazard Group						
	A	B	C	D	E	F	G
	4,827	17,674	76,652	16,295	30,479	10,004	3,083

Exhibit 5.D

State Relativity	0.933
------------------	-------

Exhibit 5.E  
State-Hazard Group Relativities

Relativity	Hazard Group						
	A	B	C	D	E	F	G
	1.273	1.117	1.119	0.937	0.958	0.834	0.841

Exhibit 5.F  
Claim Group Frequency

Claim Group	Claims per \$ Million Payroll
Fatal	0.00037
Likely PP/TT	0.06346
Not Likely PP/TT	0.31153

ITEM R-1408—2014 UPDATE TO THE RETROSPECTIVE RATING PLAN PARAMETERS—EXCESS LOSS PURE PREMIUM FACTORS AND EXCESS LOSS AND ALLOCATED EXPENSE PURE PREMIUM FACTORS

EXHIBIT 5 (CONT'D)  
INFORMATIONAL EXHIBIT - EXCESS LOSS FACTORS FOR STATE X  
CALCULATION OF STATE CLAIM COUNTS  
FOR ILLUSTRATION PURPOSES ONLY

Exhibit 5.G  
Claim Group-Hazard Group Relativities

Claim Group	Hazard Group						
	A	B	C	D	E	F	G
Fatal	1.000	0.950	0.708	2.342	2.997	9.970	15.479
Likely PP/TT	1.000	0.748	0.375	0.719	0.650	1.450	1.383
Not Likely PP/TT	1.000	0.750	0.379	0.722	0.652	1.445	1.379

Exhibit 5.H  
State-Claim Group Relativities

Claim Group	Relativity
Fatal	1.310
Likely PP/TT	0.882
Not Likely PP/TT	0.865

Exhibit 5.I  
Fitted State Claim Counts

Claim Group	Hazard Group						
	A	B	C	D	E	F	G
Fatal	2,801	8,546	27,701	16,313	39,896	37,912	18,294
PT*	3,803	13,892	43,499	16,330	37,772	23,831	11,399
Likely PP/TT	321	771	1,680	574	990	631	187
Not Likely PP/TT	1,545	3,725	8,172	2,773	4,789	3,030	899
Med-Only**	9,210	21,471	45,036	13,809	20,787	10,868	2,504

\* The Permanent Total values are determined using a different approach, as described within Informational Exhibit 3.

\*\* Medical Only average values are based on observed non-fitted data.



## 11 NCAC 10.1111 – WORKERS COMPENSATION

### Item

- 10(b) Describe all payments made to all consultants (including lawyers, actuaries, and economists) related to this filing and the previous one on workers' compensation insurance. If payment cannot be specifically identified as related to particular filings, the filer shall estimate them.

### Response

#### August 30, 2013 Loss Cost and Residual Market Rate Filings

National Council on Compensation Insurance, Inc.: NCCI has advised the Rate Bureau that the amounts billed and to be billed to its affiliates and to the Rate Bureau for actuarial support during 2013 for work specifically related to workers compensation insurance loss cost and residual market rate filings total approximately \$407,672.

Young Moore and Henderson P.A.: The firm has billed the Rate Bureau approximately \$43,305 for fees in connection with the 2013 workers compensation insurance loss cost and residual market rate filings.

Financial Strategy Associates: The firm has billed the Rate Bureau approximately \$7,225 for services rendered in connection with the 2013 workers compensation insurance residual market rate filing.

Milliman, Inc.: The firm has billed the Rate Bureau approximately \$50,982 for services rendered in connection with the 2013 workers compensation insurance loss cost and residual market rate filings.

#### September 18, 2014 Loss Cost and Residual Market Rate Filings

National Council on Compensation Insurance, Inc.: NCCI has advised the Rate Bureau that the amounts billed and to be billed to its affiliates and to the Rate Bureau for actuarial support during 2014 for work specifically related to workers compensation insurance loss cost and residual market rate filings total approximately \$416,910.

Young Moore and Henderson P.A.: The firm has billed the Rate Bureau approximately \$15,693 for fees in connection with the 2014 workers compensation insurance loss cost and residual market rate filings.

Financial Strategy Associates: The firm has billed the Rate Bureau approximately \$7,438 for services rendered in connection with the 2014 workers compensation insurance residual market rate filing.

Milliman, Inc.: The firm has billed the Rate Bureau approximately \$9,538 for services rendered in connection with the 2014 workers compensation insurance loss cost and residual market rate filings.

## 11 NCAC 10.1111 – WORKERS COMPENSATION

### Item

- 10(c) Identify and describe all changes in methodologies from the previous North Carolina workers compensation rate filing. If any collected or reported data required by this rule are provided within 30 days after the initial submittal of a filing, that data shall be made a part of the filing, provided the initial submittal acknowledges that it is incomplete and identifies specifically what further data are to be submitted within the time permitted. No filing otherwise complete shall be deemed to be proper until such time that all data required by this Rule have been submitted.

### Response

- (i) A retrospective rating plan adjusts the premium for an insured's policy on the basis of losses incurred during the term of that policy. The Retrospective Rating Plan contains an optional provision—an individual loss limitation—which limits the loss amount arising out of any one accident that will be used in the calculation of retrospective premium adjustments. Under the plan, the charge for limiting losses is determined by application of an Excess Loss Pure Premium Factor (ELPPF) or an Excess Loss and Allocated Expense Pure Premium Factor (ELAEPF). A new methodology in this area was recently introduced, implementing several enhancements including new excess ratio curves. Informational Exhibits 3, 4, and 5 from NCCI's countrywide Item filing R-1408 follow this page and serve to explain the methodology changes. The effects of these changes have been incorporated into this filing.
- (ii) In prior years' filings, wage trend adjustments were applied to the losses used to derive industry group differentials used in class ratemaking. The purpose of these adjustments was to account for differences in wage growth across industry groups. Research conducted by NCCI showed that wage trend adjustments are close to unity, with the majority of adjustments having little to no impact on the final differentials. As a result, wage trend adjustments are no longer applied in the industry group differential calculations.
- (iii) While not considered changes to the respective ratemaking methodologies, the following differ when compared with the previous year's filing:
- a. The financial data loss development factor from a 19th report to an ultimate report is based on a seven-year average. In the prior filing, a five-year average was used.
  - b. In the assigned risk filing, the proposed assigned risk differential is based on a ten-year average. In the prior filing, a five-year average was used.
  - c. In the assigned risk filing, Administrative and Separately Reimbursable Pool expenses are shown combined, with both on a calendar year basis. In the prior filing, these expenses were shown separately and the separately reimbursable expenses were shown on a policy year basis.
  - d. In the assigned risk filing, the calculation of the effect of the expense constant and minimum premiums was simplified and now utilizes data collected by the NCRB. The prior filing utilized data collected by NCCI.

PRE-FILED TESTIMONY  
OF  
RAYMOND F. EVANS

NORTH CAROLINA WORKERS COMPENSATION INSURANCE  
2014 LOSS COSTS FILING  
BY THE NORTH CAROLINA RATE BUREAU

Q. Would you state your full name and business address?

A. Raymond F. Evans, Jr. CPCU, 2910 Sumner Boulevard, Raleigh, North Carolina.

Q. Are you employed by the North Carolina Rate Bureau ("Bureau")?

A. Yes.

Q. In what capacity?

A. I am the General Manager.

Q. How long have you been employed by the Bureau?

A. Since September 2000.

Q. Would you summarize your educational background?

A. I graduated from Ohio State University with a Bachelor of Science Degree in Accounting. I also have the designation of Chartered Property Casualty Underwriter.

Q. What was your work experience after graduation and prior to your employment by the Bureau?

A. From March 1966 to July 2000, I was employed by the State Auto Insurance Companies, Columbus, Ohio in various capacities, including the position of Executive Vice President of a subsidiary.

Q. Can you identify Exhibits RB-1 through RB-5 and the 11 NCAC 10.1111 Responses?

A. Yes. Exhibit RB-1 is a reference filing containing advisory prospective loss costs, the data and calculations underlying those loss costs, and the 11 NCAC 10.1111 Responses. Exhibits RB-2 through RB-5 contain the required accompanying prefiled testimony and exhibits. Together, these materials constitute a filing (the "Filing") that is dated September 18, 2014 submitted by the Bureau to the Honorable Wayne Goodwin, Commissioner of Insurance, with respect to workers compensation insurance loss costs in North Carolina.

Q. Does the Bureau have actuaries on its staff?

A. Yes, the Bureau has an actuary on its staff. However, the Bureau continues to obtain actuarial expertise for preparation of the Filing from the Workers Compensation Committee, the National Council on

Compensation Insurance, Inc. and from Milliman, Inc.

Q. Does the Filing submitted to the Commissioner include, to the extent available, the information to be furnished in connection with filings under Article 36 of Chapter 58 of the General Statutes?

A. Yes. Those data that were available have been submitted to the Commissioner as part of the Filing. As shown and explained in that submission, some data were not collected or, if collected, were not retrievable from the statistical data in the form requested. The individual circumstances with respect to such data are explained in the submission.

Q Does that conclude your prefiled testimony?

A. Yes.

PREFILED TESTIMONY  
OF  
JAY A. ROSEN

2014 NORTH CAROLINA WORKERS COMPENSATION  
LOSS COST AND ASSIGNED RISK RATE FILINGS

---

Q. *Please state your name, title, employer, and position you hold.*

A. My name is Jay Rosen, and I am a Director and Actuary for the National Council on Compensation Insurance, Inc. ("NCCI") in Boca Raton, Florida. My current responsibilities include oversight of the actuarial function, including the preparation of rate filings and presentation of actuarial testimony, for six jurisdictions in NCCI's Eastern Region (including North Carolina).

Q. *Would you outline your academic and professional training?*

A. I have a Bachelor of Science degree and a Master of Science degree, both in Mathematics, from the University of Florida, in Gainesville, Florida. I am a Fellow of the Casualty Actuarial Society and a Member of the American Academy of Actuaries and am in good standing with both of those organizations.

Q. *How long have you been employed by NCCI?*

A. I have been employed by NCCI since June of 1992.

Q. *Would you briefly describe the principal functions of NCCI?*

A. NCCI is the major data collector of workers compensation statistics, and is recognized as the expert organization in workers compensation data collection, ratemaking, and research. NCCI's principal functions are to collect and process statistical data, inspect and administer a detailed classification system and develop prices for workers compensation insurance that are not excessive, inadequate or unfairly discriminatory. It prepares manual loss costs, manual rates, rating plans and policy forms

for use by its members and subscribers and files same with various supervisory authorities on their behalf.

Q. *Who belongs to NCCI?*

A. NCCI is an organization of some 600 members and subscribers who are insurance companies and self-insured funds writing workers compensation insurance. These loss cost and rate filings are based on the data submitted to NCCI and the North Carolina Rate Bureau (NCRB) by insurance companies writing workers compensation business in North Carolina.

Q. *Are you familiar with the filings for revised workers compensation loss costs and assigned risk rates by the North Carolina Rate Bureau (the "Filings") of which this testimony is a part?*

A. Yes, I am.

Q *Did you supervise the production of the Filings?*

A. Yes, I did. NCCI has contracted with the North Carolina Rate Bureau as an actuarial services vendor in connection with these Filings.

Q *What is the purpose and scope of your testimony?*

A. I will provide testimony on the key actuarial issues and components in the Filings. Specifically, my testimony will discuss the (i) development of the overall average loss cost level indication, (ii) assigned risk differential analysis, and (iii) various expense components contained in the voluntary loss costs and assigned risk rates.

Q. *Could you briefly describe the purpose of the Filings that have been submitted to the North Carolina Department of Insurance?*

A. Sure. One of the Filings proposes revised loss costs and rating values for the voluntary market. The other Filing proposes revised rates and rating values for the Workers Compensation Insurance Plan, which is the assigned risk market.

Q. *What is the voluntary market and what is the assigned risk market?*

- A. Those insurers electing to provide employers workers compensation coverage in North Carolina’s competitive marketplace—incorporating their own underwriting guidelines and expense needs—constitute the “voluntary market.”

An employer unable to secure workers compensation insurance in the voluntary market obtains coverage through the Workers Compensation Insurance Plan—also referred to as the assigned risk market. This market of last resort provides a method for those employers not written voluntarily to obtain coverage.

- Q. *For the voluntary market, you mentioned a revision to the current loss costs has been filed. What is the difference between a loss cost and a rate?*

- A. The term loss cost is used because, in general, it represents only that portion of the full rate that provides for loss and loss adjustment expenses. The North Carolina loss costs are not final rates because they do not include provisions for any of the remaining expenses (including production expenses, profit, contingencies, etc.) of an insurer.

In the North Carolina voluntary market, each carrier is responsible for considering their individual expense needs, developing a loss cost multiplier (LCM), and determining their final rates. The carrier-specific LCM is the expense loading (providing for all carrier expenses other than loss adjustment expense) an insurer applies to a set of loss costs to build its final rates. In this process, a carrier may elect to base their final rates on the loss costs in the Loss Cost filing.

- Q. *If this loss cost revision were approved as filed, would all employers insured in the voluntary market receive a loss cost change equal to the overall average proposed change?*

- A. No. The proposed loss cost indication represents the overall average change for the voluntary market. The actual percentage loss cost change may vary between individual classification codes—both above and below this average.



The proposed overall average change is equitably distributed to the various industry groupings and then to the more than 600 individual classification codes during the ratemaking process. The final premium charged a particular employer not only depends on the specific class codes in which the employer conducts business, but also on the individual insurer issuing the policy. Since in the voluntary market each insurer is responsible for determining its final rates, after reviewing their own expense needs, underwriting guidelines, etc., the final premium charged to any particular employer may vary among insurers.

Q. *Please give us an overview of the process used to develop the Filings.*

A. The latest available premium and loss data is collected by NCCI and NCRB from insurance companies and verified. Using this data, the expected revenue need and costs associated with writing workers compensation insurance in North Carolina during the period April 1, 2015 through March 31, 2016 are determined. In this process, expenses are analyzed and provisions for these components are included. A comparison of this expected revenue need to the expected future costs determines the extent to which the currently approved overall loss cost and rate levels should change.

Q. *Do the Filings include data for all companies writing workers compensation business in North Carolina?*

A. No. There are several reasons that would prevent a carrier's data from being included in a filing, including (i) data that was not reported prior to the filing and (ii) quality issues that exist with the reported data. While it would clearly be preferable to include all carriers' data in the filing, it is critical that the data be of the highest quality possible. Carriers with a premium market share greater than 0.1% and whose data is not contained in the Filings' experience period are listed in Appendix A-IV.

NCCI has the following processes in place to provide all carriers the incentive to submit aggregate data in a timely and accurate manner:

(i) Aggregate Data Quality Incentive Program (ADQIP): In response to carriers reporting late and/or inaccurate data, they are subject to financial assessments levied by NCCI.

(ii) Financial Data Escalation Process: During the data collection and validation process, data issues are discussed with insurance carrier personnel at progressively increasing levels of authority until the issues are resolved.

The data goes through a series of three validation procedures implemented by NCCI: (i) arithmetic checks, (ii) reasonableness checks, and (iii) a reconciliation report.

The first check, the arithmetic check, is used to make sure that the data submitted to NCCI in the various rows and columns of the aggregate financial data reports sum to the correct totals as stated by the carriers in those submissions.

The second check, the reasonableness check, is used to make sure that all unusual fluctuations in a carrier's data are explained. For example, a company reporting \$100,000 in premium in 2013 and then \$10 million in 2014 would be questioned about the large change in premium amounts.

The third test is a reconciliation. The North Carolina data submitted to NCCI is reconciled with the NAIC Annual Statement data submitted by companies to the North Carolina Department of Insurance.

Q. *Are the data used in the Filings reasonable and reliable for determining voluntary loss costs and assigned risk rates in North Carolina?*

A. Yes, in my opinion, the data as collected and validated provides an actuarially appropriate, reasonable, and credible dataset on which to base the Loss Cost and Assigned Risk rate filings.

Q. *What overall average change does the Loss Cost filing propose?*

A. The Loss Cost filing seeks an overall average decrease of 3.4% from the current loss cost level for the industrial classifications.

Q. *What overall average rate level change does the Assigned Risk filing propose?*

A. The Assigned Risk rate filing seeks an overall average rate level decrease of 4.5% for the industrial classifications.

Q. *What is the proposed effective date for the Filings?*

A. The Loss Cost and Assigned Risk rate filings are both proposed to apply to new and renewal policies becoming effective on or after April 1, 2015. The actual use of the loss costs is subject to individual company actions to adopt the filed loss costs.

Q. *Would you please briefly describe the method used in the Filings to determine the overall average changes?*

A. Yes. In very general terms, the overall changes are determined by taking the latest available financial data experience and adjusting it to reflect conditions that are expected to exist during the period April 1, 2015 through March 31, 2016. The result indicates the adequacy of the current loss costs for policies to be written during that period. This process requires the application of actuarial judgment and projections simply because ratemaking is prospective in nature and future outcomes are unknown.

As presented in Exhibit I of the Filings, the process begins with two blocks of historical North Carolina aggregate financial data. The first block reflects the experience from all policies with effective dates during 2012 and is commonly referred to as "policy year 2012" data. The second block of data reflects the experience from all policies with effective dates during 2011 and is referred to as "policy year 2011" data. This data consists of earned premiums and losses during these periods reported to NCCI by those companies writing workers compensation insurance in North Carolina. "Losses" is simply another name for the benefits carriers provide to or on behalf of injured workers. They can be in the form of medical services or indemnity (lost wage) payments. While three years of data were reviewed in connection with this year's actuarial analysis, data for

policy years 2012 and 2011 serve as the selected experience period in the Filings.

Loss cost level indications were determined based on an average of (i) paid losses and (ii) paid losses plus case reserves for each of policy years 2012 (Exhibit I, Section A) and 2011 (Exhibit I, Section B). An average of the separate policy year 2012 and 2011 loss cost level indications (Exhibit I, Section C) serves as the basis for the Rate Bureau's filed overall average voluntary loss cost level change.

In calculating the overall loss cost level change, the premium from these two policy years is the first focus. The premiums that have been collected must be "developed" to reflect future payroll audits (line 1 of Exhibit I, Sections A and B). Since the final premium totals for the recent policy years will not be known until all payroll audits have been completed, the application of premium development factors provides a projection of the amount by which the currently reported premium totals will change when the final results are known.

Additionally, the premiums are brought to the current loss cost level and the portion that covers expenses is removed (line 2). These adjustments are necessary because we are trying to determine how much premium will be available for benefits, and the historical premium data still reflects old rates and includes the portion covering expenses. Since the current loss costs are being analyzed and updated, the reported historical premium is adjusted to this current loss cost level. Once the historical premium has been adjusted to what it would be if it had been earned under the latest approved loss costs, one may opine on the adequacy of the current set of loss costs in terms of providing for future losses.

Q. *Would you now describe the adjustments to the policy year indemnity and medical losses?*

A. Yes. The losses from these two blocks of data are reviewed. Indemnity and medical losses are analyzed separately. Initially, losses are limited to mitigate the impact of individual large workers compensation claims. Medical reserves for example can extend into the multi-million dollar range

on extremely severe cases. At this stage, limiting such claims is appropriate in determining future premiums.

Next, the limited losses must be developed to their ultimate level (lines 4 and 16). This is especially necessary for workers compensation insurance because it takes many years before some losses are finally paid. For example, depending on the nature and seriousness of a work-related injury, indemnity payments may extend many years into the future. Further, since even the conditions giving rise to some of these losses may take many years to manifest themselves, many years may pass before some claims are even known to the insurer—let alone settled. Asbestosis claims are an example of this type of loss.

Next, since we are trying to estimate future losses and the data reflects historical benefit levels, the reported losses are adjusted to reflect the impact of any subsequent changes in the level of workers compensation benefits. This is accomplished in two steps (lines 5, 14, 17, and 26). The losses are then increased by 17.0% so that the final loss costs will include a provision for loss adjustment expense (lines 6 and 18).

The resulting loss figures are compared to the total estimated premium that would be available to fund these losses (lines 9 and 21). Next, the indemnity and medical cost ratios data must be trended to account for inflationary pressures between the time period of the historical data and the period when the loss costs will be in effect (lines 10 and 22). Trend adjusts the historical data to account for the differential impact of inflation on losses and premiums. If losses were changing at the same rate as payrolls, trend would not be needed since the change in losses would be exactly matched by a corresponding change in payrolls and, therefore, premiums. On the other hand, if losses have been changing at a different rate than payroll, trend is necessary if historical data is to be used as a predictor of future losses.

The trend factors selected by the Rate Bureau and applied in these filings are -1.0% per year for indemnity losses and 0.0% per year for medical losses.

The final step is to adjust the developed limited cost ratios to an unlimited basis. This is accomplished in lines 12 and 24. The employed methodology involves replacing the amount of actual reported individual claim losses in excess of a North Carolina-specific dollar threshold with an excess loss provision. The excess provision represents the expected volume of losses in excess of the threshold. This procedure serves to smooth out the impact of large losses.

Q. *What are the final steps in determining the overall average voluntary loss cost level change?*

A. Indicated loss cost level changes for each of policy years 2012 and 2011 are calculated by summing the respective indemnity and medical cost ratios (line 28). These individual-year changes are then averaged, resulting in an indicated overall average decrease of 3.4% to the current voluntary loss cost level (Exhibit I, Section C).

Q. *What loss development methodologies were analyzed and utilized in connection with the Filings?*

A. The financial data were analyzed in order to select the most actuarially sound loss development projection methodology to be used in determining experience indications. This analysis involves identifying changes in the level of reserve adequacy and trends in development that could skew the results of one or more of the loss development projection methods. In addition, the base to which the loss development factors will be applied is analyzed in conjunction with the factors themselves.

The loss development projection methods examined in this year's analysis were based on (i) paid losses and (ii) paid losses plus case reserves. Results based on an average of these two loss development methodologies were chosen as being most appropriate for this year's Filings.

Q. *After identifying the most appropriate loss development methodology, what is the next step in the process to compute the actual loss development factors?*

- A. After identifying the most appropriate loss development methodology, the next step in the process is to compute the actual loss development factors. In calculating these factors, prior years' losses are examined to determine how they evolve from the time they are first reported to the time they are finally settled.

For inclusion in the Filings, (i) final paid loss development factors were derived based on an average of the two most recent historical factors at each loss age interval and (ii) final paid plus case loss development factors were derived based on an average of the five most recent historical factors at each loss age interval. Statewide loss development (tail) factors were used to develop losses from a nineteenth report to an ultimate basis. The tail factors used in the Filings are based on an average of the most recent seven historical factors at a nineteenth report.

- Q. *Please explain the tail factor methodology included in the Filings.*

- A. In workers compensation, payments and loss reserve changes persist for extended periods of time. The ultimate losses of a policy year are determined by multiplying the current reported losses by the expected loss development factor. This expected loss development factor is calculated as the product of individual link ratios. However, due to data constraints, it is not possible to calculate all of the required individual link ratios. Therefore, it is necessary to aggregate all loss development that occurs after a nineteenth report into a single (tail) factor. Tail factors are calculated separately for indemnity and medical losses by comparing the changes in the volume of policy year paid plus case losses after a nineteenth report to the volume of policy year paid plus case losses as of a nineteenth report, along with the application of a growth adjustment factor.

- Q. *Will you please describe how the final indemnity and medical annual trend factors were determined for the Filings?*

- A. Yes. The final trend factors were judgmentally selected by the NCRB after reviewing the results of several different trend estimates, including (i) a North Carolina frequency/severity trend analysis and (ii) indicated annual loss ratio trend factors.

A North Carolina-specific frequency/severity analysis was performed to separately examine changes in the frequency of workers compensation claims being filed and changes in their average cost per case. Indicated loss ratio trend factors based on both paid and paid plus case losses were also examined in order to review trend estimates that are independent of possible fluctuations in carrier-reported claim counts from year to year.

Q. *Do the Filings contain an estimated impact on workers compensation costs due to the change in the North Carolina workers compensation reimbursement laws for prescription drugs and pharmaceutical services contained in enacted North Carolina Senate Bill 744 (S744)?*

A. Yes, a detailed discussion of this portion of S744 along with estimated cost impacts is contained in the Appendix C of the Filings.

Q. *Please explain how the loss adjustment expense provision was determined.*

A. Both historical North Carolina-specific and countrywide loss adjustment expense information was reviewed as part of this year's rate filing analysis (See Exhibit II-A, Sheet 1). Based on that information, the NCRB judgmentally selected a 17.0% loss adjustment expense provision for use in the Filings.

Q. *Did you review the process used to allocate the overall average loss cost level change to the five industry groups and to the individual classification codes?*

A. Yes.

Q. *Do the Filings contain a description of the manner in which the overall change is distributed to the individual classifications?*

A. Yes. Appendices A-V, and B-I through B-V of the Loss Cost filing provide extensive descriptions and documentation of the methods that are used to distribute the overall change among the various classifications.

Q. *How was the overall average change for the Assigned Risk filing determined?*



- A. The assigned risk filing begins with the loss costs resulting from the analyses just described. Then two additional analyses were performed. The first of these compares the assigned risk market experience to the statewide market experience. This analysis supported the proposed change to the current assigned risk loss cost differential. The second analysis involves the assigned risk expense need. Both of these analyses are documented in Exhibit II of the Assigned Risk filing.

The results of these two analyses are incorporated in the formula Loss Cost Multiplier (Exhibit I-A, Sheet 1 of the Assigned Risk filing). After combining the indicated change in the loss cost level and the proposed change in the Loss Cost Multiplier, the final Assigned Risk rate level decrease of 4.5% results (Exhibit I, Section D of the Assigned Risk filing).

- Q. *Please explain the purpose and concept of the assigned risk differential.*

- A. The primary purpose of the differential is to ensure equity between the assigned risk and voluntary markets. In order to help ensure a self-funded assigned risk market—one that does not require subsidization by participants in the voluntary market—the adequacy of the assigned risk differential is reviewed.

In North Carolina, as is usually the case, the combined experience for those employers in the assigned risk market is worse than the combined experience for those in the voluntary market. Therefore, during the assigned risk ratemaking process, the assigned risk differential is applied to recognize this disparity.

- Q. *Please explain how this year's proposed change in the assigned risk differential was determined.*

- A. As documented in Exhibit II-E of the assigned risk filing, ten years of indicated loss cost differentials based on each of (i) paid and (ii) paid plus case data were reviewed. The selected change to the current loss cost differential is based on an average of the changes indicated by both the paid and paid plus case experience (Exhibit II-E, Sheet 1, line (e)).

- Q. *Please briefly describe the provisions for the various assigned risk expense components contained in the Assigned Risk filing.*
- A. The underlying detail and supporting calculations in connection with the various expense provisions contained in this year's proposed assigned risk rates are fully documented in Exhibit II of the assigned risk filing.

As a summary, a brief description of each expense component is as follows:

- (i) Commission and brokerage – The 5.0% provision is the commission payable on assigned risk business, as required by the Workers Compensation Insurance Plan.
  - (ii) Loss adjustment expense (LAE) – The selection of this component was discussed earlier in connection with the proposed voluntary loss cost level change.
  - (iii) Other acquisition and general expense – This category includes provisions for various carrier expense items such as premium collection, underwriting, policy processing, advertising, and company operational and administrative expenses.
  - (iv) Underwriting profit – The underwriting profit analysis was conducted by Dr. Vander Weide and Dr. Appel.
  - (v) Taxes, licenses, and fees – This includes a 2.66% provision for the premium tax, including the regulatory surcharge (equal to 6.5% of the premium tax), and 0.3% for miscellaneous tax.
  - (vi) Effect of expense constant and minimum premiums – It is expected that the \$250 expense constant, a minimum premium multiplier of 200, and a maximum minimum premium of \$1,500 will generate 20.0% of premium in the assigned risk market (Exhibit II-D).
- Q. *Please describe the rationale in support of increasing the maximum minimum premium.*

A. A review of the collective intrastate loss ratio experience for minimum premium risks versus that for all risks supports the fact that the collective experience for North Carolina minimum premium risks is significantly worse than that for all risks combined. With the goal of ultimately bringing the loss ratio experience for intrastate minimum premium risks more in line with that for all intrastate risks, an increase to the current maximum minimum premium value is being proposed in this filing.

There are several reasons that support the proposed increase in the maximum minimum premium. These include:

(i) Based on the current approved assigned risk rates in the state, the following percentage of classification codes by industry group are currently hitting the maximum minimum premium:

Manufacturing – 57%  
Contracting – 96%  
Office and Clerical – 4%  
Goods and Services – 67%  
Miscellaneous – 95%

(ii) The change allows a more equitable sharing of workers compensation costs between minimum premium and non-minimum premium risks.

Q. *Are there any additional changes in miscellaneous rating values contained in the Filings?*

A. Yes. The pages summarizing the Filings by component identify additional changes, as do the miscellaneous values and retrospective rating plan sections of Exhibit III. The Table of Weighting Values and the Table of Ballast Values in Exhibit III were also updated.

Q. *Please describe what is meant by the term “F-classifications.”*

A. The “F” or “Federal” classifications are those operations conducted on or about navigable waters for which benefit levels and related costs are determined by the United States Longshore and Harbor Workers’

Compensation Act, rather than individual state laws. Typical F-classifications include those covering ship builders and stevedores.

Q. *What changes are proposed for the Federal classifications ("F-classes")?*

A. Based on the latest available North Carolina F-class experience (contained in Appendix B-V of the Loss Cost filing), the loss cost filing proposes an overall average change of -2.4% from the current loss cost level. The assigned risk filing proposes an overall average rate level change of -7.7% from the current assigned risk rate level.

Q. *What is your opinion as to whether the proposed loss cost changes for the voluntary market will result in loss costs that are not excessive, inadequate, or unfairly discriminatory?*

A. Based on my analysis, I believe the methodologies employed, the provisions used, and the resulting filed loss cost changes are actuarially sound and reasonable for the time period during which they are proposed to be in effect and will result in loss costs that are not excessive, inadequate, or unfairly discriminatory.

Q. *What is your opinion as to whether the proposed rate changes for the assigned risk market will result in rates that are not excessive, inadequate, or unfairly discriminatory?*

A. Based on my analysis and assuming the profit produced by the proposed rates is reasonable, I believe the methodologies employed, the provisions used, and the resulting filed assigned risk rate changes are actuarially sound and reasonable for the time period during which they are proposed to be in effect and will result in assigned risk market rates that are not excessive, inadequate, or unfairly discriminatory.

Q. *Does this conclude your testimony?*

A. Yes, it does.

## NATIONAL COUNCIL ON COMPENSATION INSURANCE

### 2014 ANNUAL LOSS ADJUSTMENT EXPENSE REVIEW -- Evaluated as of 12/31/2013

#### LOSS ADJUSTMENT EXPENSE SUMMARY Analysis Based on Private Carrier Data

Year	(1) Call # 19 DCCE Ratio (Avg. of Paid and Incurred Indications)	(2) Call # 19 AOE Ratio (Avg. of Paid and Incurred Indications) <sup>1</sup>	(3)=(1)+(2) Call # 19 LAE Ratio	(4) Calendar Year Incurred DCCE Ratio From IEE <sup>2</sup>	(5) Calendar Year Incurred AOE Ratio From IEE <sup>1,2</sup>	(6)=(4)+(5) Incurred LAE Ratio From IEE <sup>2</sup>	(7)=(3)-(6) Difference
2004	9.9%	7.1%	17.0%	10.2%	6.4%	16.6%	0.4%
2005	10.2%	7.5%	17.7%	10.4%	7.2%	17.6%	0.1%
2006	10.6%	7.8%	18.4%	12.6%	7.2%	19.8%	-1.4%
2007	10.7%	7.8%	18.5%	10.1%	7.3%	17.4%	1.1%
2008	11.1%	7.0%	18.1%	11.9%	7.1%	19.0%	-0.9%
2009	11.5%	7.5%	19.0%	11.3%	7.3%	18.6%	0.4%
2010	11.8%	7.2%	19.0%	11.9%	7.2%	19.1%	-0.1%
2011	12.3%	6.9%	19.2%	11.4%	6.7%	18.1%	1.1%
2012	12.9%	7.3%	20.2%	12.2%	6.2%	18.4%	1.8%
2013	13.3%	7.6%	20.9%	12.1%	7.0%	19.1%	1.8%

#### Notes

Loss adjustment expense indications are displayed as a percentage of loss.

<sup>1</sup> Adjusted for impact of large deductibles.

<sup>2</sup> The IEE data is direct of reinsurance, excludes state funds and is from the NCCI Compiled IEE Validated Summary.

## NATIONAL COUNCIL ON COMPENSATION INSURANCE

### 2014 ANNUAL LOSS ADJUSTMENT EXPENSE REVIEW -- Evaluated as of 12/31/2013

#### Analysis Based on Private Carrier Data

#### DCCE—PAID ANALYSIS

AY	(1) Paid Losses Excluding Large Deductibles <u>@12/31/2013</u>	(2) Paid DCCE Excluding Large Deductibles <u>@12/31/2013</u>	(3) Incremental Paid Loss Development <u>Factors</u>	(4) Incremental Paid DCCE Development <u>Factors</u>	(5) Cumulative Paid Loss Development <u>Factors</u>	(6) Cumulative Paid DCCE Development <u>Factors</u>	(7)=(1)x(5) Estimated Ultimate Losses <u>Losses</u>	(8)=(2)x(6) Estimated Ultimate DCCE <u>DCCE</u>	(9)=(8)/(7) Estimated Ultimate DCCE <u>Ratio</u>
2004	12,608,065,470	1,244,226,850	n/a	n/a	1.182	1.172	14,902,733,386	1,458,233,868	9.8%
2005	15,149,157,294	1,542,174,601	1.018	1.017	1.203	1.192	18,224,436,225	1,838,272,124	10.1%
2006	16,108,745,844	1,724,801,924	1.022	1.023	1.229	1.219	19,797,648,642	2,102,533,545	10.6%
2007	17,301,264,810	1,844,036,237	1.028	1.028	1.263	1.253	21,851,497,455	2,310,577,405	10.6%
2008	17,590,474,168	1,985,649,890	1.039	1.041	1.312	1.304	23,078,702,108	2,589,287,457	11.2%
2009	15,603,446,732	1,792,126,685	1.055	1.060	1.384	1.382	21,595,170,277	2,476,719,079	11.5%
2010	15,124,490,034	1,767,625,910	1.089	1.099	1.507	1.519	22,792,606,481	2,685,023,757	11.8%
2011	13,477,144,005	1,635,303,852	1.153	1.183	1.738	1.797	23,423,276,281	2,938,641,022	12.5%
2012	9,674,926,988	1,144,052,098	1.315	1.394	2.285	2.505	22,107,208,168	2,865,850,505	13.0%
2013	4,498,720,043	452,180,858	2.241	2.775	5.121	6.951	23,037,945,340	3,143,109,144	13.6%

## NATIONAL COUNCIL ON COMPENSATION INSURANCE

### 2014 ANNUAL LOSS ADJUSTMENT EXPENSE REVIEW -- Evaluated as of 12/31/2013

#### Analysis Based on Private Carrier Data

#### DCCE—INCURRED ANALYSIS

AY	(1) Incurred Losses Excluding Large Deductibles <u>@12/31/2013</u>	(2) Incurred DCCE Excluding Large Deductibles <u>@12/31/2013</u>	(3) Incremental Incurred Loss Development <u>Factors</u>	(4) Incremental Incurred DCCE Development <u>Factors</u>	(5) Cumulative Incurred Loss Development <u>Factors</u>	(6) Cumulative Incurred DCCE Development <u>Factors</u>	(7)=(1)x(5) Estimated Ultimate <u>Losses</u>	(8)=(2)x(6) Estimated Ultimate <u>DCCE</u>	(9)=(8)/(7) Estimated Ultimate DCCE <u>Ratio</u>
2004	14,553,802,652	1,415,294,507	n/a	n/a	1.030	1.048	14,990,416,732	1,483,228,643	9.9%
2005	17,804,500,558	1,802,384,013	1.000	1.000	1.030	1.048	18,338,635,575	1,888,898,446	10.3%
2006	19,457,654,677	2,029,854,150	0.999	1.001	1.029	1.049	20,021,926,663	2,129,317,003	10.6%
2007	21,098,677,446	2,228,316,610	0.998	0.999	1.027	1.048	21,668,341,737	2,335,275,807	10.8%
2008	21,992,933,722	2,368,766,712	0.995	0.998	1.022	1.046	22,476,778,264	2,477,729,981	11.0%
2009	20,583,230,475	2,299,129,332	0.996	0.997	1.018	1.043	20,953,728,624	2,397,991,893	11.4%
2010	21,816,930,096	2,485,377,944	0.987	0.987	1.005	1.029	21,926,014,746	2,557,453,904	11.7%
2011	22,376,673,755	2,647,145,538	0.997	0.993	1.002	1.022	22,421,427,103	2,705,382,740	12.1%
2012	22,221,541,216	2,738,010,337	1.000	1.009	1.002	1.031	22,265,984,298	2,822,888,657	12.7%
2013	23,114,306,469	2,832,522,449	1.008	1.039	1.010	1.071	23,345,449,534	3,033,631,543	13.0%

## NATIONAL COUNCIL ON COMPENSATION INSURANCE

### 2014 ANNUAL LOSS ADJUSTMENT EXPENSE REVIEW -- Evaluated as of 12/31/2013

#### Analysis Based on Private Carrier Data

#### AOE—PAID ANALYSIS

AY	(1) Paid Losses Including Large Deductibles <u>@12/31/2013</u>	(2) Paid AOE Including Large Deductibles <u>@12/31/2013</u>	(3) Incremental Paid Loss Development <u>Factors</u>	(4) Incremental Paid AOE Development <u>Factors</u>	(5) Cumulative Paid Loss Development <u>Factors</u>	(6) Cumulative Paid AOE Development <u>Factors</u>	(7)=(1)x(5) Estimated Ultimate Losses <u>Losses</u>	(8)=(2)x(6) Estimated Ultimate AOE <u>AOE</u>	(9)=(8)/(7) Estimated Ultimate AOE Ratio* <u>Ratio*</u>
2004	15,473,871,590	1,807,199,850	n/a	n/a	1.218	1.125	18,847,175,597	2,033,099,831	7.2% (1)
2005	15,824,336,910	1,899,582,193	1.019	1.011	1.241	1.137	19,638,002,105	2,159,824,953	7.6% (2)
2006	16,790,874,127	2,105,802,360	1.023	1.013	1.270	1.152	21,324,410,141	2,425,884,319	7.9% (3)
2007	17,890,305,760	2,145,159,407	1.031	1.021	1.309	1.176	23,418,410,240	2,522,707,463	7.8% (4)
2008	18,175,433,944	1,966,526,097	1.043	1.026	1.365	1.207	24,809,467,334	2,373,596,999	7.0% (5)
2009	15,993,734,502	1,852,655,749	1.057	1.041	1.443	1.256	23,078,958,886	2,326,935,621	7.4% (6)
2010	15,417,687,178	1,722,921,218	1.091	1.055	1.574	1.325	24,267,439,618	2,282,870,614	7.0% (7)
2011	13,692,004,135	1,567,351,642	1.156	1.090	1.820	1.444	24,919,447,526	2,263,255,771	6.6% (8)
2012	9,816,761,272	1,387,485,665	1.314	1.152	2.391	1.663	23,471,876,201	2,307,388,661	7.2% (9)
2013	4,553,981,610	988,828,696	2.197	1.490	5.253	2.478	23,922,065,397	2,450,317,509	7.4% (10)

\* Adjusted for Impact of Large Deductibles

- (1) (Col.8/Col.7 + .004) x .64
- (2) (Col.8/Col.7 + .007) x .65
- (3) (Col.8/Col.7 + .008) x .65
- (4) (Col.8/Col.7 + .009) x .67
- (5) (Col.8/Col.7 + .008) x .67
- (6) (Col.8/Col.7 + .008) x .68
- (7) (Col.8/Col.7 + .007) x .69
- (8) (Col.8/Col.7 + .005) x .69
- (9) (Col.8/Col.7 + .005) x .70
- (10) (Col.8/Col.7 + .004) x .70



## NATIONAL COUNCIL ON COMPENSATION INSURANCE

### 2014 ANNUAL LOSS ADJUSTMENT EXPENSE REVIEW -- Evaluated as of 12/31/2013

#### Analysis Based on Private Carrier Only Data

#### AOE—INCURRED ANALYSIS

AY	(1) Incurred Losses Including Large Deductibles @12/31/2013	(2) Incurred AOE Including Large Deductibles @12/31/2013	(3) Incremental Incurred Loss Development Factors	(4) Incremental Incurred AOE Development Factors	(5) Cumulative Incurred Loss Development Factors	(6) Cumulative Incurred AOE Development Factors	(7)=(1)x(5) Estimated Ultimate Losses	(8)=(2)x(6) Estimated Ultimate AOE	(9)=(8)/(7) Estimated Ultimate AOE Ratio*
2004	18,718,757,127	1,919,178,463	n/a	n/a	1.043	1.080	19,523,663,683	2,072,712,740	7.0% (1)
2005	19,573,534,196	2,025,500,803	1.003	1.006	1.046	1.086	20,473,916,769	2,199,693,872	7.4% (2)
2006	21,222,056,499	2,250,129,201	1.001	1.007	1.047	1.094	22,219,493,154	2,461,641,346	7.7% (3)
2007	22,914,703,787	2,317,740,560	1.001	1.006	1.048	1.101	24,014,609,569	2,551,832,357	7.7% (4)
2008	23,775,949,338	2,168,101,093	0.997	1.008	1.045	1.110	24,845,867,058	2,406,592,213	7.0% (5)
2009	22,198,671,037	2,114,110,661	0.994	1.012	1.039	1.123	23,064,419,207	2,374,146,272	7.5% (6)
2010	23,504,447,820	2,099,323,820	0.987	1.007	1.025	1.131	24,092,059,016	2,374,335,240	7.3% (7)
2011	24,223,937,767	2,128,302,281	0.998	1.008	1.023	1.140	24,781,088,336	2,426,264,600	7.1% (8)
2012	24,184,441,878	2,183,645,388	0.996	0.996	1.019	1.135	24,643,946,274	2,478,437,515	7.4% (9)
2013	25,577,019,753	2,548,235,787	1.000	0.963	1.019	1.093	26,062,983,128	2,785,221,715	7.8% (10)

\* Adjusted for Impact of Large Deductibles

- (1) (Col.8/Col.7 + .004) x .64
- (2) (Col.8/Col.7 + .007) x .65
- (3) (Col.8/Col.7 + .008) x .65
- (4) (Col.8/Col.7 + .009) x .67
- (5) (Col.8/Col.7 + .008) x .67
- (6) (Col.8/Col.7 + .008) x .68
- (7) (Col.8/Col.7 + .007) x .69
- (8) (Col.8/Col.7 + .005) x .69
- (9) (Col.8/Col.7 + .005) x .70
- (10) (Col.8/Col.7 + .004) x .70

---

**PRE-FILED TESTIMONY**  
**OF**  
**MARK MULVANEY**  
**2014 NORTH CAROLINA WORKERS COMPENSATION**  
**LOSS COST FILING**

---

Q. Please state your name and business address.

A. My name is Mark Mulvaney; my business address is Milliman, Inc., 1400 Wewatta Street, Suite 300, Denver, Colorado, 80202.

Q. Are you an actuary?

A. Yes, I am a Fellow of the Casualty Actuarial Society and a Member of the American Academy of Actuaries and am a member in good standing of both organizations.

Q. Please describe your educational and professional background.

A. I graduated with a Bachelor of Science degree in Mathematics from Georgetown University in 1978. I spent the first 10 years of my career with the National Council on Compensation Insurance. My experience there included the management of the legislative evaluation unit, a division of the National Council responsible for the review and estimation of the cost impact of workers compensation legislation countrywide, management of the "F" classification ratemaking unit, and as regional actuary.

I joined Milliman over 25 years ago, and have remained focused on workers compensation issues, but have broadened my client base to include casualty actuarial consulting services to insurance companies, reinsurers, rating bureaus, insurance regulators, state funds, self-insurance groups and pools, and to individual public and private self-insured employers. Activities include ratemaking, reserving, company formation, merger and acquisition valuation, financial analysis and company modeling, software development, expert testimony, research, and special project work.

---

Q. What is Milliman?

A. Milliman is among the world's largest independent actuarial and consulting firms. Milliman was founded in Seattle in 1947 as Milliman & Robertson and today has offices in principal cities worldwide, covering markets in North America, Latin America, Europe, Asia and the Pacific, and the Middle East. Milliman employs more than 2,800 people, including specialists ranging from clinicians to economists. The firm has consulting practices in healthcare, employee benefits, property and casualty insurance, life insurance, and financial services. Milliman serves the full spectrum of business, financial, government, union, education, and nonprofit organizations.

Q. Were you engaged to provide actuarial services to the North Carolina Rate Bureau (the "Rate Bureau") in connection with its 2014 workers compensation insurance loss cost filing (the "Filing")?

A. Yes I was.

Q. What was the scope of that engagement?

A. For this year's filing, the Rate Bureau engaged NCCI to provide the preliminary analysis of the data, including preliminary analysis of loss development and trends. Milliman's role was to conduct an independent review and to work with NCCI to present the data to the Rate Bureau. The scope includes assisting the Rate Bureau in explaining the filing to regulators, and providing expert testimony concerning the filing.

Q. Did you or your firm physically prepare the filing documents for the Rate Bureau?

A. No, NCCI prepared the filing based on the directions of the Rate Bureau; our role was one of input and review.

Q. Is your firm being compensated for this engagement?

A. Yes.

Q. Is that compensation in any way contingent on the provision of favorable testimony in support of the filing?

A. No it is not.

---

Q. Have you completed your review of the filing?

A. Yes I have.

Q. Were there any constraints placed on your review, such as limited or delayed access to data or limited time that may have impeded your complete review?

A. No, we were provided all the information that was necessary and had adequate time for a complete review. Our review was not limited in any way.

Q. Explain the difference between a Loss Cost Filing and a Rate Filing.

A. By definition, insurance rates (along with the associated rating plans) are to include provisions for all costs associated with the transfer of risk. These costs include losses, expenses, taxes, licenses and fees, and profit and contingencies. Since 1995 in North Carolina, the voluntary market workers compensation filings by the Rate Bureau have included provisions for losses, loss adjustment expenses, and loss-based assessments only. As a consequence, they are called "loss cost" filings, and they specifically exclude provision for production expenses, general expenses, dividends, taxes, licenses and fees (since 1999), and profit and contingencies.

Individual insurance companies will analyze their own books of business along with the approved loss costs, and then make filings with the Insurance Department for loadings that represent an anticipated difference in loss costs (if any), along with their production and general expense, taxes, licenses and fees, and profit and contingency provisions.

Q. Can you briefly explain the overall theory underpinning the filed loss cost change?

A. Yes, the fundamental principle is that historical North Carolina loss cost experience will be predictive of the level of loss costs that will emerge in the future.

Q. What is the overall change in Loss Costs the Rate Bureau is seeking in this filing?

A. The Rate Bureau is seeking a 3.4% reduction in the overall level of loss costs for industrial classifications and a 2.4% reduction for Federal ("F") classifications.

Q. Do you know what the overall change in premium will be?

A. No, the overall change in premium will depend upon the actions of individual companies to adopt the loss costs, as well as the loadings for production and general expenses, taxes licenses and fees,

---

and profit that are included in their individual rate filings with the Insurance Department.

Q. Is the change in Loss Costs the same for each class code?

A. No, although the overall change is a decrease of 3.4% for industrial classifications and a decrease of 2.4% for the F classifications, the individual class codes within these broad groupings will change by different amounts. The industrial classifications are further organized by industry group and the average changes are as follows:

Manufacturing 2.3% decrease  
Contracting 2.8% decrease  
Office and Clerical 5.0% decrease  
Goods and Services 4.4% decrease  
Miscellaneous 2.5% decrease

Q. What is the proposed effective date of the filed loss costs?

A. April 1, 2015.

Q. When did the current loss costs take effect in North Carolina?

A. The current loss costs became effective April 1, 2014.

Q. For what period of time are the projections made?

A. The filed loss costs are anticipated to go into effect on April 1, 2015. Because it is anticipated that loss cost filings are made annually, these loss costs are expected to remain in effect until April 1, 2016. Therefore, loss costs are projected for policies to become effective from April 1, 2015 through March 31, 2016. However, because covered claims can occur on any day a policy is in force, and since most policies are written for annual periods, the first covered claim could occur no earlier than April 1, 2015 and the last covered claim could occur no later than March 30, 2017. Thus, the loss costs must be projected to be sufficient for occurrences over this two year period. To simplify the analysis, the Rate Bureau projects losses to the average occurrence date during this period.

Q. Let's begin discussing the industrial classifications. Can you provide more detail on exactly what historical experience is used and how the projection is made for the industrial classifications?

A. Fundamentally, the proposed overall change in loss costs is based on Policy Year 2011 and Policy Year 2012 data, valued as of December 31, 2013.

---

Q. What is a policy year?

A. A policy year describes a way of grouping insurance loss and exposure data so that both may be examined simultaneously. Policy year 2012, for example, consists of the experience of policies (both losses and exposures) with effective dates on any day during 2012.

Q. It's now August 2014, so policy year 2012 sounds fairly old at this point. Would it be better to include more recent data?

A. No, it is not necessarily better to use more recent data. Let me explain. Recall that a policy year contains the experience of policies incepting during the policy year. The last policy that could be written in policy year 2012 was written on December 31, 2012 with normal expiration one year later. For the industrial classifications, the valuation date of the data is December 31, 2013. After allowing time for insurance companies to estimate loss reserves and report data, and for the Rate Bureau to assemble and prepare the filing, it is evident that policy year 2012 is the most recent complete policy year that could feasibly be included.

Q. What about Policy Year 2013?

A. As of December 31, 2013, policy year 2013 is incomplete. Most policies written in 2013 will continue in force during 2014. Roughly speaking, only one half of policy year 2013 written premium would be earned as of year-end 2013, and only one half of the claims that will eventually occur would have occurred by year-end 2013. The Rate Bureau does collect this data, even in its incomplete form. However in my view the losses and exposures are just too immature to be used reliably for ratemaking.

Q. OK, tell me more about the projection process.

A. It's easiest to start with the overall change, and then work backwards exposing more layers of complexity as we go. Most insurance professionals are familiar with the term "loss ratio." A loss ratio is simply losses divided by premium. In North Carolina, the loss costs are required to include provision for losses, loss adjustment expenses, and loss-based assessments, but to exclude provision for other insurance company expenses and profit and contingencies. By convention, we often call a premium excluding expenses and profit a "pure premium." For convenience, we'll define the term "loss and LAE pure premium ratio" as a numerator that includes losses, loss adjustment expenses, and loss-based assessments divided by a denominator that includes a provision in the premium for the same three elements. In essence, the numerator is the actual cost for losses, loss adjustment expenses, and loss-based assessments that insurance companies will ultimately pay, and the denominator is the amount insurance companies will ultimately charge to policyholders for those same elements.

---

If we knew the loss and LAE pure premium ratio that would result during the period of prospective loss cost use if the current loss costs were charged to policyholders, then we would know by how much to change the current loss costs. Suppose, for example, the numerator was 10% bigger than the denominator (i.e., the ratio is 1.10). The solution would be to increase the denominator by 10% to make them equal. Similarly, if the numerator was 10% smaller than the denominator (i.e., a ratio of .90), then the solution would be to shrink the denominator by 10%. We can increase and shrink the denominator simply by changing the current loss costs by the desired percentage.

In reality, however, we do not know the loss and LAE pure premium ratio that will result during the period of prospective use if the current loss costs were charged. Quite simply, the overall change calculation is all about obtaining a reasonable projection for that value.

Q. How did the Rate Bureau go about projecting the loss and LAE pure premium ratio?

A. The Rate Bureau gave equal weight to two different ratios, i.e., ratios derived from policy year 2011 and policy year 2012 experience.

Q. What companies' data are included in policy year 2011 and policy year 2012 experience?

A. All companies are required to submit data to either the Rate Bureau or the NCCI. The data are aggregated at NCCI and NCCI reviews and validates the data in order to assemble an accurate database upon which to base the filing. However, some companies may not report, or their data cannot be validated and reconciled, in which case their data are excluded. Appendix A-IV of the filing shows that two carriers representing 0.6% of the market were excluded in policy year 2011 and only one of those carriers representing 0.2% of the market was excluded in policy year 2012. No other carrier representing more than 0.1% of the market was excluded.

Q. Why is the experience of both the voluntary market and the assigned risk market used to derive voluntary market loss costs?

A. This is to ensure that the voluntary market loss costs are sufficient for insurance companies to be able to write an average employer in the state, including those that may be currently in the assigned risk plan.

Q. How did the Rate Bureau project policy year 2011 and policy year 2012 loss and loss adjustment expense pure premium ratios?

A. There are seven major steps.

1. Pure premiums are developed to an ultimate basis.
2. Pure premiums are adjusted to the current loss cost level.

- 
3. Limited losses are developed to an ultimate basis.
  4. Limited losses are adjusted to an unlimited basis.
  5. Losses are adjusted to proposed benefit level.
  6. Loss adjustment expenses are included.
  7. The loss and loss adjustment pure premium ratio is trended to the midpoint of loss cost use.

Q. In your opinion, is each of these seven steps necessary and actuarially appropriate?

A. Yes they are.

Q. Why do pure premiums need to be developed to an ultimate basis?

A. Workers compensation policies are typically priced by calculating the premiums (and by extension pure premiums) on the basis of estimated exposures (usually payroll). After policy expiration, these exposures are audited and trued-up. Historically, this process has usually resulted in an increase in revenue. Pure premium development is used to estimate the amount that pure premiums for a given policy year will change in the future as a result of these adjustments. Appendix A-II of the filing contains the calculation of the pure premium development factors.

Q. In your opinion, are the pure premium development factors reasonable?

A. Yes they are.

Q. Why do pure premiums need to be adjusted to the current loss cost level?

A. I mentioned a little earlier that a key component of the filing is to project the loss and loss adjustment expense pure premium ratio that would result during the period of rate use if the current loss costs are charged. The reported data include pure premiums at the "designated statistical reporting level," or the pure premium level based on the loss costs in effect at the effective date of each policy within the policy year for voluntary market risks, and the premium level based on the rates in effect for assigned risks. These pure premiums and premiums need to be adjusted from the values as reported to the values that would result if the current (4/1/2014) loss costs were applied to each policy. Appendix A-I of the filing contains the pure premium on-level factors.

Q. In your opinion, is the adjustment the Rate Bureau used to adjust historical pure premiums and premiums to current loss cost level reasonable?

A. Yes it is.



---

Q. What is loss development and why is it necessary?

A. Workers compensation claims are typically paid on a periodic basis in the form of indemnity benefits to injured workers and medical benefits to their medical providers. While most claims are not serious and can be resolved in the first year or so, some injuries are quite serious and workers compensation benefits will be paid for many years, perhaps for the injured worker's lifetime. Policy years 2011 and 2012 will therefore include many claims which have not been resolved as of December 31, 2013, and consequently the full cost of those claims is unknown.

Loss development is a technique for projecting the full cost of a group of claims based on what is known about the claims to date, and based on a review of the values of older claims at similar maturities.

As an example, consider projecting loss development based on paid losses. For a given policy year, the cumulative amounts paid for indemnity and medical benefits will increase over time as the policy year becomes older (more mature) until all claims are closed and final. The growth of the cumulative paid losses of older policy years from maturity to maturity (age to age) is measured and used to project the expected growth of the given policy year as the given policy year matures. Growth will slow and eventually cease as all claims become final, and at this point, all claims are at their ultimate values.

For limited paid losses to a 19<sup>th</sup> report, the Rate Bureau used the unweighted average of the two most recently available age-to-age factors as the basis for the projection of the development factors. Once selected, these age-to-age factors are successively multiplied to represent the cumulative growth from the age of the given policy year (2011 or 2012) to a 19<sup>th</sup> report. At the 19<sup>th</sup> report, the policy year ratio of paid loss plus case reserves to paid loss is selected based on an average of the five most recently available policy years that have a 19<sup>th</sup> report valuation. Additionally, a policy year 19<sup>th</sup> to ultimate case-incurred loss development factor is applied to obtain losses at ultimate.

In addition to using paid losses, the Rate Bureau also projects development on a case-incurred basis. Case-incurred losses are defined as losses paid to date, plus case reserves. Case reserves are estimates made by insurance adjusters for the future cost of a claim, considering the facts known to the adjuster at the time the estimate is made. As with paid losses, these values tend to grow as a cohort of claims matures, losses are paid, claims are closed, and the remaining case reserves are revalued.

For case-incurred losses the Rate Bureau used the unweighted average of the five most recently available age-to-age factors up to a 19<sup>th</sup> report. Five years were used consistent with the methodology used over the past several years.

---

In a manner consistent with the paid loss development, policy year cumulative development to a 19<sup>th</sup> report first calculated. Additionally, a policy year 19<sup>th</sup> to ultimate case-incurred loss development factor is applied.

Because indemnity and medical losses typically develop at different rates, loss development factors are calculated separately for these components.

Q. Is this the same loss development methodology used in the prior filing?

A. Yes it is, with the small change that the policy year 19<sup>th</sup> to ultimate case-incurred loss development factor was selected based on a seven year average instead of a five year average.

Q. Have you reviewed the loss development factors as calculated by the Rate Bureau?

A. Yes, I have.

Q. What are your conclusions?

A. I found the development factors and the development methods selected by the Rate Bureau to be reasonable.

Q. Why are "limited losses" used and what are the limits?

A. Some workers compensation losses can be very large, and consequently can have a destabilizing effect on the losses for a policy year or on the loss development factors. Consequently, the losses for policy years 2011 and 2012 have been limited by a large loss limit, as have all policy years entering the development factor calculations. Since the losses excess of the loss limit have been excluded, a factor must be applied in the analysis to "add back" those excluded costs. The filing uses a factor of 1.009 (nine-tenths of one percent) to include losses excess of the limit. This factor is based on the fitted severity distributions used for the Excess Loss Pure Premium Factors in the Retrospective Rating Plan.

As might be expected, the loss limit will increase over time as inflation drives loss costs upward. For example, the loss limit for the midpoint of loss cost use (March 25, 2016) is approximately \$15.8 million. However, this limit is detrended to obtain the individual loss limit in each historical policy year. Appendix A-II of the filing shows the factor to include losses excess of the limit and the limits used in each year.

Additionally, the Rate Bureau will identify certain large multi-claim occurrences as catastrophes and

---

assign them a catastrophe number to be excluded entirely from the experience used to derive the loss cost change. There were no such catastrophes identified for either policy year 2011 or policy year 2012.

Q. In your opinion, is the loss limitation procedure used by the Rate Bureau reasonable?

A. Yes, it is.

Q. Why are losses adjusted to proposed benefit level?

A. The claims that occurred during policy year 2011 and policy year 2012 will receive benefits based on the law that was in effect on the date of occurrence. The benefits that will ultimately be paid for the occurrences during the expected effective period will be based on the level of benefits during that time period. By convention, the Rate Bureau estimates changes in benefits in two stages. The first adjustment is from the average benefit level based on the claims in each policy year up to the benefit level of the valuation date of the filing (December 31, 2013). This adjustment is calculated in Appendix A-I of the filing. The second adjustment is for impact of the change in maximum weekly benefits effective January 1, 2014, and the impact of North Carolina Senate Bill 744, effective August 7, 2014. The impact of these changes is summarized in Appendix C of the filing.

Q. In your opinion, are the benefit level factors calculated and applied by the Rate Bureau reasonable?

A. Yes they are.

Q. How are loss adjustment expenses included in the filed loss costs?

A. Loss adjustment expenses are included by multiplying estimated loss costs by a factor which represents the ratio of loss adjustment expenses to losses. The Rate Bureau uses two sources of information for the ratio of loss adjustment expenses to losses. The first is a countrywide accident year ratio of loss adjustment expenses to accident year losses, developed to ultimate, and separated between Defense and Cost Containment Expenses (DCCE) and Adjusting and Other Expenses (AOE), based on a special call for accident year loss adjustment expenses. The countrywide accident year ratio of DCCE to loss is adjusted to North Carolina level by multiplying by a ratio, the numerator of which is the North Carolina ratio of calendar year paid DCCE to calendar year paid loss, and the denominator of which is the countrywide ratio of calendar year paid DCCE to calendar year paid loss. The accident year ultimate DCCE ratios so adjusted are added to the countrywide AOE ratios to produce an estimate of the North Carolina ratio of total LAE to total loss. The second source is the North Carolina calendar year ratios of total LAE to total loss from insurance company statutory statements page 14.

---

Q. What factor did the Rate Bureau select to incorporate loss adjustment expenses?

A. The Rate Bureau selected 1.170, an increase from the 1.165 factor that was used in the current loss costs.

Q. In your opinion, is the loss adjustment expense factor reasonable?

A. Yes it is.

Q. What is trend?

A. In the filing, trend refers to the relative movement of a loss to pure premium ratio over time, after adjustments have been made for premium and loss development and premium and loss on-level factors. If the loss to pure premium ratios drift upwards over time, this is a positive trend; if they drift downwards over time, it is a negative trend. Trend is needed because the data for policy years 2011 and 2012, even after adjustment for development and on-leveling, represents the ultimate level of costs during policy year 2011 and 2012 respectively. However, the loss costs are proposed to be applied to policies effective from 4/1/2015 through 3/31/2016. Trend adjusts for the drift in the level of loss costs that is expected to occur between the date of the experience and the date of the loss cost use.

Q. How did the Rate Bureau select trend factors?

A. The Rate Bureau considered the trend factors in its current loss costs, the trend indications in other states, along with the trends indicated by North Carolina data for frequency, severity, and pure premiums. When looking at the severity and pure premium trends, the Rate Bureau considered the indications based on both paid loss development methods and case-incurred loss development methods.

Q. How specifically are the indicated trends calculated?

A. The Rate Bureau reviewed policy year data from 1998 through 2012, but focused chiefly on the most recent years. For the pure premium trend a time series is constructed from the policy year pure premium ratios. The pure premiums that form the denominator of the pure premium ratio are developed to ultimate and adjusted to the current loss cost level. Indemnity and medical losses are analyzed separately and are developed to ultimate and adjusted to the current benefit level. The ratios of the adjusted losses to the adjusted pure premiums for each policy year form the time series that is examined for drift. A linear regression is fit through the natural logarithms of the adjusted ratios via the method of least squares, and the coefficient corresponding to the slope is transformed back to the original scale to obtain the annual trend rate.

---

The process is similar for the frequency trend; however in addition to development and adjustment to the 4/1/2014 loss cost level, the pure premiums that form the denominator are also adjusted to the policy year 2012 wage level. This is because the pure premiums in each historical policy year will reflect the actual workers' wages in each year (because the workers compensation exposure base is payroll). By adjusting each year to a constant wage, the pure premiums will be proportional to the hours worked. The number of claims per hour worked is a better measure of the true incidence of claims. The numerator of the time series for the frequency trend is the number of lost-time claims developed to ultimate. The same log-linear approach is used to find the annual trend rate of the most recent years.

The procedure used to estimate the severity trend is similar; the numerator of the severity trend time series uses policy year indemnity or medical losses developed to ultimate, adjusted to the current benefit level, and also adjusted to the policy year 2012 wage level. However, since the severity trend is estimating the growth in average claim costs over time, the denominator uses the same number of lost-time claims developed to ultimate by policy year as is used in the frequency trend numerator. Because the losses in the severity trend numerator are adjusted to a common wage level, the trend calculation will be measuring the difference in the growth rate of indemnity or medical severities relative to the growth in wages. With respect to indemnity trends, since most workers compensation weekly benefits are proportional to wages, any positive observed indemnity severity trend implies that costs are increasing faster than wages. Similarly for medical severity, any positive observed medical trend implies that medical costs are increasing faster than wages.

Since the numerator of the frequency trend is the same as the denominator of the severity trend, multiplying the two annual trend rates (expressed as a factor) together will cause the number of claims to cancel. Thus, the product of the two factors would have a numerator that is consistent with the numerator of the severity trend (ultimate losses adjusted to current benefit and 2012 wage levels) and a denominator consistent with the denominator of the frequency trend (developed pure premiums adjusted to current loss cost and 2012 wage levels). These are the very same elements in the numerator and denominator as were used in the pure premium trend. Thus, frequency and severity trends can be viewed as underlying components of the pure premium trend and their product represents a different way of estimating the pure premium trend.

Q. What did the Rate Bureau select for its annual trend rates?

A. The Rate Bureau selected an indemnity pure premium annual trend factor of .990 (a negative 1.0% annual trend). Their medical pure premium annual trend selection was a factor of 1.000 (no annual trend). Since in North Carolina indemnity losses dominate, the end result is that the combined trend rate is negative, implying that loss costs are expected to improve between the time they were last observed (policy year 2011 and policy year 2012) and the time that they will be used (policies

---

written between 4/1/2015 and 3/31/2016).

Q. What trends did the Rate Bureau use for the loss costs currently in effect?

A. The current loss costs incorporated a slightly higher indemnity annual trend factor of .995 per year, and the same annual medical trend factor of 1.000.

Q. In your opinion, are the Rate Bureau's annual trends reasonable?

A. Yes.

Q. You have explained the experience used in the loss cost filing, the adjustment made to the data with respect to development, the adjustment to current loss cost level, the adjustment to current benefit level, the adjustment to include losses excess of the loss limit, the adjustment to include loss adjustment expenses, and the adjustment for trend. You have concluded that each of these was reasonable, have you not?

A. Yes.

Q. In your opinion, are there any adjustments or factors that the Rate Bureau should have included in its analysis but has not?

A. No there are not.

Q. Do you have an opinion on the reasonableness of the overall change in loss costs proposed by the Rate Bureau?

A. Yes, my conclusion is that the Rate Bureau used appropriate actuarial methods and reasonable assumptions in its calculation of the overall change in loss costs in the voluntary loss cost filing. I therefore conclude that the result, a filing for an overall decrease in the level of loss costs by 3.4% for the industrial classifications, is reasonable and actuarially sound.

Q. Has the methodology used by the Rate Bureau to determine the overall change in loss cost level materially changed from the methodology used in the prior loss cost filing?

A. No it has not.

Q. Have you reviewed the methodology the Rate Bureau used to calculate the industry group differentials?

---

A. Yes I have.

Q. Do you have an opinion as to whether that methodology, the resulting industry group differentials, and the resulting changes by industry group are reasonable?

A. Yes, I believe that the methodology, the resulting industry group differentials, and the resulting changes by industry group are all reasonable.

Q. Have you reviewed the methodology used to determine the overall change for the F classifications?

A. Yes I have.

Q. Do you have an opinion whether the methodology used and the resulting change for the F classifications is reasonable?

A. Yes, I believe that the methodology used and resulting overall decrease of 2.4% for the F classifications are reasonable.

Q. For the industrial classifications, have you reviewed the methodology used to spread the overall industry group changes to loss cost level to the individual classification loss costs within each industry group?

A. Yes I have.

Q. Has the methodology the Rate Bureau used to distribute the overall loss cost change by industry group to the individual classifications within each industry group changed from the prior filing?

A. No it has not. The Rate Bureau is continuing with same methodology it used in the prior filing.

Q. Are swing limits still applied?

A. Yes. Swing limits are applied in the same manner as prior filings, namely, the maximum loss cost change for any given classification is limited. For the industrial classifications, the limits remain the industry group average change plus or minus 25%. For the F classifications, the Rate Bureau is continuing with the plus or minus 15% used in the prior filing.

Q. In your opinion, is this methodology reasonable and are the resulting loss costs by classification reasonable?

A. Yes.

Q. Do you have an opinion whether the filed loss costs are actuarially sound and reasonably reflect the needed level of loss costs for workers compensation insurance in North Carolina?

A. Yes, in my opinion the overall level of the loss costs as filed by the Rate Bureau reasonably reflects the expected level of loss costs for workers compensation insurance in North Carolina, and the loss costs by classification as contained in this filing are actuarially sound. Further it is my opinion that the filed loss costs are not excessive, inadequate, or unfairly discriminatory.

Q. Does this conclude your testimony?

A. Yes it does.