

5.3 NORTH CAROLINA'S VEHICLE MIX

VTM FRACTIONS for MOBILE6.2 inputs

<u>2005 State Vehicle Mix</u>							
Rural							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.3282	0.0600	0.1998	0.0616	0.0283	0.1023	0.0100	0.0082
0.0061	0.0227	0.0270	0.0293	0.1044	0.0053	0.0024	0.0044
Princ. Art.							
0.4111	0.0752	0.2505	0.0772	0.0355	0.0467	0.0046	0.0037
0.0028	0.0104	0.0123	0.0134	0.0476	0.0024	0.0011	0.0055
Minor Art.							
0.4248	0.0777	0.2587	0.0797	0.0366	0.0376	0.0037	0.0030
0.0022	0.0084	0.0099	0.0108	0.0384	0.0019	0.0009	0.0057
Major Collector							
0.4380	0.0801	0.2668	0.0822	0.0378	0.0287	0.0028	0.0023
0.0017	0.0064	0.0076	0.0082	0.0293	0.0015	0.0007	0.0059
Minor Collector							
0.4375	0.0800	0.2664	0.0821	0.0377	0.0291	0.0029	0.0023
0.0017	0.0065	0.0077	0.0083	0.0297	0.0015	0.0007	0.0059
Local							
0.4383	0.0802	0.2669	0.0822	0.0378	0.0286	0.0028	0.0023
0.0017	0.0063	0.0075	0.0082	0.0291	0.0015	0.0007	0.0059
Urban							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.3936	0.0720	0.2398	0.0739	0.0340	0.0584	0.0057	0.0047
0.0035	0.0130	0.0154	0.0167	0.0596	0.0030	0.0014	0.0053
Freeway							
0.4282	0.0784	0.2609	0.0804	0.0370	0.0352	0.0035	0.0028
0.0021	0.0078	0.0093	0.0101	0.0359	0.0018	0.0008	0.0058
Princ. Art.							
0.4414	0.0808	0.2689	0.0829	0.0381	0.0264	0.0026	0.0021
0.0016	0.0059	0.0069	0.0076	0.0269	0.0014	0.0006	0.0059
Minor Art							
0.4526	0.0828	0.2757	0.0850	0.0391	0.0189	0.0019	0.0015
0.0011	0.0042	0.0050	0.0054	0.0193	0.0010	0.0004	0.0061
Coll							
0.4565	0.0835	0.2780	0.0857	0.0394	0.0164	0.0016	0.0013
0.0010	0.0036	0.0043	0.0047	0.0167	0.0008	0.0004	0.0061
Local							
0.4459	0.0816	0.2716	0.0837	0.0385	0.0234	0.0023	0.0019
0.0014	0.0052	0.0062	0.0067	0.0239	0.0012	0.0005	0.0060

2008 State Vehicle Mix							
Rural							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.2952	0.0656	0.2186	0.0674	0.0310	0.1022	0.0100	0.0082
0.0063	0.0229	0.0269	0.0292	0.1045	0.0053	0.0024	0.0043
Princ. Art.							
0.3703	0.0823	0.2740	0.0844	0.0388	0.0466	0.0046	0.0037
0.0029	0.0104	0.0122	0.0133	0.0477	0.0024	0.0011	0.0053
Minor Art.							
0.3823	0.0850	0.2829	0.0872	0.0401	0.0376	0.0037	0.0030
0.0023	0.0084	0.0099	0.0108	0.0385	0.0019	0.0009	0.0055
Major Collector							
0.3944	0.0877	0.2919	0.0899	0.0413	0.0286	0.0028	0.0023
0.0018	0.0064	0.0075	0.0082	0.0293	0.0015	0.0007	0.0057
Minor Collector							
0.3940	0.0875	0.2914	0.0898	0.0413	0.0291	0.0028	0.0023
0.0018	0.0065	0.0076	0.0083	0.0297	0.0015	0.0007	0.0057
Local							
0.3943	0.0877	0.2920	0.0900	0.0414	0.0285	0.0028	0.0023
0.0018	0.0064	0.0075	0.0082	0.0292	0.0015	0.0007	0.0057
Urban							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.3544	0.0788	0.2623	0.0808	0.0372	0.0583	0.0057	0.0047
0.0036	0.0131	0.0153	0.0167	0.0596	0.0030	0.0014	0.0051
Freeway							
0.3859	0.0857	0.2854	0.0879	0.0404	0.0351	0.0034	0.0028
0.0022	0.0079	0.0092	0.0100	0.0359	0.0018	0.0008	0.0056
Princ. Art.							
0.3977	0.0883	0.2942	0.0906	0.0417	0.0263	0.0026	0.0021
0.0016	0.0059	0.0069	0.0075	0.0269	0.0014	0.0006	0.0057
Minor Art							
0.4076	0.0906	0.3016	0.0929	0.0427	0.0189	0.0018	0.0015
0.0012	0.0042	0.0050	0.0054	0.0193	0.0010	0.0004	0.0059
Coll							
0.4111	0.0913	0.3041	0.0937	0.0431	0.0163	0.0016	0.0013
0.0010	0.0037	0.0043	0.0047	0.0167	0.0008	0.0004	0.0059
Local							
0.4017	0.0892	0.2971	0.0916	0.0421	0.0233	0.0023	0.0019
0.0014	0.0052	0.0061	0.0067	0.0239	0.0012	0.0005	0.0058

2011 State Vehicle Mix							
Rural							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.2662	0.0707	0.2353	0.0725	0.0334	0.1021	0.0099	0.0084
0.0063	0.0228	0.0270	0.0293	0.1042	0.0052	0.0026	0.0041
Princ. Art.							
0.3335	0.0887	0.2950	0.0909	0.0418	0.0465	0.0045	0.0038
0.0029	0.0104	0.0123	0.0134	0.0475	0.0024	0.0012	0.0052
Minor Art.							
0.3444	0.0916	0.3046	0.0939	0.0432	0.0376	0.0037	0.0031
0.0023	0.0084	0.0099	0.0108	0.0383	0.0019	0.0010	0.0053
Major Collector							
0.3554	0.0944	0.3142	0.0968	0.0446	0.0286	0.0028	0.0023
0.0018	0.0064	0.0076	0.0082	0.0292	0.0015	0.0007	0.0055
Minor Collector							
0.3549	0.0943	0.3138	0.0967	0.0445	0.0290	0.0028	0.0024
0.0018	0.0065	0.0077	0.0083	0.0296	0.0015	0.0007	0.0055
Local							
0.3554	0.0945	0.3143	0.0969	0.0446	0.0285	0.0028	0.0023
0.0018	0.0064	0.0075	0.0082	0.0291	0.0015	0.0007	0.0055
Urban							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.3194	0.0849	0.2824	0.0870	0.0401	0.0582	0.0057	0.0048
0.0036	0.0130	0.0154	0.0167	0.0594	0.0030	0.0015	0.0049
Freeway							
0.3473	0.0924	0.3073	0.0947	0.0436	0.0351	0.0034	0.0029
0.0022	0.0078	0.0093	0.0101	0.0358	0.0018	0.0009	0.0054
Princ. Art.							
0.3581	0.0952	0.3167	0.0976	0.0449	0.0263	0.0026	0.0022
0.0016	0.0059	0.0069	0.0076	0.0269	0.0013	0.0007	0.0055
Minor Art							
0.3671	0.0976	0.3247	0.1001	0.0461	0.0189	0.0018	0.0015
0.0012	0.0042	0.0050	0.0054	0.0192	0.0010	0.0005	0.0057
Coll							
0.3705	0.0984	0.3274	0.1009	0.0464	0.0163	0.0016	0.0013
0.0010	0.0036	0.0043	0.0047	0.0167	0.0008	0.0004	0.0057
Local							
0.3618	0.0961	0.3199	0.0986	0.0454	0.0233	0.0023	0.0019
0.0014	0.0052	0.0062	0.0067	0.0238	0.0012	0.0006	0.0056

2014 State Vehicle Mix							
Rural							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.2443	0.0745	0.2479	0.0764	0.0351	0.1020	0.0099	0.0083
0.0063	0.0230	0.0269	0.0292	0.1044	0.0052	0.0026	0.0040
Princ. Art.							
0.3061	0.0934	0.3107	0.0957	0.0440	0.0465	0.0045	0.0038
0.0029	0.0105	0.0123	0.0133	0.0476	0.0024	0.0012	0.0051
Minor Art.							
0.3164	0.0964	0.3209	0.0988	0.0455	0.0375	0.0036	0.0031
0.0023	0.0084	0.0099	0.0107	0.0384	0.0019	0.0010	0.0052
Major Collector							
0.3261	0.0995	0.3310	0.1020	0.0469	0.0286	0.0028	0.0023
0.0018	0.0064	0.0075	0.0082	0.0293	0.0015	0.0007	0.0054
Minor Collector							
0.3259	0.0993	0.3305	0.1018	0.0468	0.0290	0.0028	0.0024
0.0018	0.0065	0.0076	0.0083	0.0297	0.0015	0.0007	0.0054
Local							
0.3264	0.0995	0.3311	0.1020	0.0469	0.0285	0.0028	0.0023
0.0017	0.0064	0.0075	0.0082	0.0291	0.0015	0.0007	0.0054
Urban							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.2932	0.0894	0.2975	0.0916	0.0421	0.0582	0.0057	0.0048
0.0036	0.0131	0.0153	0.0167	0.0595	0.0030	0.0015	0.0048
Freeway							
0.3189	0.0973	0.3237	0.0997	0.0458	0.0351	0.0034	0.0029
0.0022	0.0079	0.0092	0.0100	0.0359	0.0018	0.0009	0.0053
Princ. Art.							
0.3287	0.1003	0.3336	0.1028	0.0473	0.0263	0.0026	0.0022
0.0016	0.0059	0.0069	0.0075	0.0269	0.0013	0.0007	0.0054
Minor Art							
0.3371	0.1028	0.3420	0.1054	0.0484	0.0188	0.0018	0.0015
0.0012	0.0042	0.0050	0.0054	0.0193	0.0010	0.0005	0.0056
Coll							
0.3399	0.1037	0.3449	0.1062	0.0489	0.0163	0.0016	0.0013
0.0010	0.0037	0.0043	0.0047	0.0167	0.0008	0.0004	0.0056
Local							
0.3322	0.1013	0.3370	0.1038	0.0477	0.0233	0.0023	0.0019
0.0014	0.0052	0.0061	0.0067	0.0238	0.0012	0.0006	0.0055

2017 State Vehicle Mix							
Rural							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.2289	0.0771	0.2568	0.0791	0.0364	0.1018	0.0101	0.0086
0.0062	0.0228	0.0270	0.0293	0.1041	0.0052	0.0026	0.0040
Princ. Art.							
0.2868	0.0966	0.3219	0.0992	0.0456	0.0464	0.0046	0.0039
0.0028	0.0104	0.0123	0.0134	0.0475	0.0024	0.0012	0.0050
Minor Art.							
0.2963	0.0998	0.3324	0.1024	0.0471	0.0374	0.0037	0.0032
0.0023	0.0084	0.0099	0.0108	0.0383	0.0019	0.0010	0.0051
Major Collector							
0.3055	0.1030	0.3429	0.1057	0.0486	0.0285	0.0028	0.0024
0.0017	0.0064	0.0076	0.0082	0.0292	0.0015	0.0007	0.0053
Minor Collector							
0.3051	0.1028	0.3424	0.1055	0.0485	0.0290	0.0029	0.0024
0.0018	0.0065	0.0077	0.0083	0.0296	0.0015	0.0007	0.0053
Local							
0.3058	0.1030	0.3430	0.1057	0.0486	0.0284	0.0028	0.0024
0.0017	0.0064	0.0075	0.0082	0.0291	0.0014	0.0007	0.0053
Urban							
LDV	LDT1	LDT2	LDT3	LDT4	HDV2B	HDV3	HDV4
HDV5	HDV6	HDV7	HDV8a	HDV8b	HDBS	HDBT	MC
Interstate							
0.2744	0.0925	0.3082	0.0950	0.0437	0.0581	0.0058	0.0049
0.0036	0.0130	0.0154	0.0167	0.0594	0.0030	0.0015	0.0048
Freeway							
0.2987	0.1007	0.3353	0.1033	0.0475	0.0350	0.0035	0.0029
0.0021	0.0079	0.0093	0.0101	0.0358	0.0018	0.0009	0.0052
Princ. Art.							
0.3079	0.1038	0.3456	0.1065	0.0490	0.0262	0.0026	0.0022
0.0016	0.0059	0.0070	0.0076	0.0268	0.0013	0.0007	0.0053
Minor Art							
0.3156	0.1064	0.3543	0.1092	0.0502	0.0188	0.0019	0.0016
0.0012	0.0042	0.0050	0.0054	0.0192	0.0010	0.0005	0.0055
Coll							
0.3184	0.1073	0.3573	0.1101	0.0506	0.0163	0.0016	0.0014
0.0010	0.0037	0.0043	0.0047	0.0166	0.0008	0.0004	0.0055
Local							
0.3109	0.1048	0.3491	0.1076	0.0495	0.0233	0.0023	0.0020
0.0014	0.0052	0.0062	0.0067	0.0238	0.0012	0.0006	0.0054

5.4 NONROAD2005 MODEL – CHANGES

SEASONALITY DATA INPUT FILE

SEASON.DAT

This file contains the seasonality (temporal adjustment data) used by the NONROAD model. These data are used to convert tons/year calculated by the model to the arbitrary time period specified by the model. A description of each packet appears below.

NOTE: If no data for an equipment type can be found in this file, the default values will be used for temporal allocation. The default values represent a flat temporal activity profile.

9/16/05, 11b, EPA updates construction seasons per 2003 McGraw-Hill county-month const dollar values.
9/28/05, 11c, EPA updates US Total Seasonal Allocations per new Geographic ALO and new Const Seasonal allocations.

Jan 13,2006- Matt Mahler changed region assigned to NC from MidAtlantic to SE.

The following packet defines the states/counties in each geographic region. The region code is arbitrary but the FIPS code must be a valid state or county FIPS code. If a state code is supplied, all counties in that state will be included in the indicated region, unless overridden by a county-specific record. If a state or county is not listed under any region, only data records with a global region code (all blanks) will be used for that state or county.

The format is as follows:

1- 5 character -- user defined region code
6-45 character -- region description (not used)
46-50 character -- state or county FIPS code
51-70 character -- state or county name (not used)

/REGIONS/

US	National	00000	Nation
SE	Southeast	01000	Alabama
MW	Great Lakes/Midwest	02000	Alaska
SW	Southwest	04000	Arizona
SC	South Central	05000	Arkansas
WCST	West Coast	06000	California
RCKMT	Rocky Mountains	08000	Colorado
MIDAT	Mid-Atlantic	09000	Connecticut
MIDAT	Mid-Atlantic	10000	Delaware
SE	Southeast	12000	Florida
SE	Southeast	13000	Georgia
WCST	West Coast	15000	Hawaii
NW	Northwest	16000	Idaho
MW	Great Lakes/Midwest	17000	Illinois
MW	Great Lakes/Midwest	18000	Indiana
MW	Great Lakes/Midwest	19000	Iowa
CW	Central West	20000	Kansas
SC	South Central	21000	Kentucky
SE	Southeast	22000	Louisiana
NE	Northeast/New England	23000	Maine
MIDAT	Mid-Atlantic	24000	Maryland
NE	Northeast/New England	25000	Massachusetts
MW	Great Lakes/Midwest	26000	Michigan
MW	Great Lakes/Midwest	27000	Minnesota
SE	Southeast	28000	Mississippi
MW	Great Lakes/Midwest	29000	Missouri
NW	Northwest	30000	Montana
CW	Central West	31000	Nebraska
CW	Central West	32000	Nevada
NE	Northeast/New England	33000	New Hampshire
MIDAT	Mid-Atlantic	34000	New Jersey
SW	Southwest	35000	New Mexico
NE	Northeast/New England	36000	New York
SE	Southeast	37000	North Carolina
MW	Great Lakes/Midwest	38000	North Dakota
MW	Great Lakes/Midwest	39000	Ohio

SC	South Central	40000	Oklahoma
NW	Northwest	41000	Oregon
MIDAT	Mid-Atlantic	42000	Pennsylvania
MIDAT	Mid-Atlantic	44000	Rhode Island
SE	Southeast	45000	South Carolina
MW	Great Lakes/Midwest	46000	South Dakota
SC	South Central	47000	Tennessee
SW	Southwest	48000	Texas
CW	Central West	49000	Utah
NE	Northeast/New England	50000	Vermont
MIDAT	Mid-Atlantic	51000	Virginia
NW	Northwest	53000	Washington
MIDAT	Mid-Atlantic	11000	Washington D.C.
MIDAT	Mid-Atlantic	54000	West Virginia
MW	Great Lakes/Midwest	55000	Wisconsin
RCKMT	Rocky Mountains	56000	Wyoming
SE	Southeast	72000	Puerto Rico
SE	Southeast	78000	US Virgin Islands

/END/

The following packet contains the monthly adjustment factors.
The factors are fraction of annual activity occurring in the given
month. For periods longer than a single month (e.g. season)
the factors from each month spanned by the period will be
summed.
Global SCC codes can be used and the model will find the best
match.
A blank region code will apply to all states and counties.
The model will also find the best match on subregion code.

The format is as follows:

1-	5	character	-- subregion code (blank = match all)
7-	16	character	-- SCC code (global codes are acceptable)
18-	51	character	-- equipment description (not used)
52-	61	real	-- fraction of annual activity in January
62-	71	real	-- fraction of annual activity in February
72-	81	real	-- fraction of annual activity in March
82-	91	real	-- fraction of annual activity in April
92-	101	real	-- fraction of annual activity in May
102-	111	real	-- fraction of annual activity in June
112-	121	real	-- fraction of annual activity in July
122-	131	real	-- fraction of annual activity in August
132-	141	real	-- fraction of annual activity in September
142-	151	real	-- fraction of annual activity in October
152-	161	real	-- fraction of annual activity in November
162-	171	real	-- fraction of annual activity in December

/MONTHLY/

CW	2260000000	Average				0.081	0.081	0.075	0.075
0.075	0.101	0.101	0.101	0.075	0.075	0.075	0.081		
CW	2260001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
CW	2260001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2260002000	Construction				0.070	0.070	0.089	0.089
0.089	0.094	0.094	0.094	0.080	0.080	0.080	0.070		
CW	2260003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2260004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2260004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2260004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

CW	2260004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2260004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2260005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2265000000	Average				0.081	0.081	0.075	0.075
0.075	0.101	0.101	0.101	0.075	0.075	0.075	0.081		
CW	2265001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
CW	2265001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2265002000	Construction				0.070	0.070	0.089	0.089
0.089	0.094	0.094	0.094	0.080	0.080	0.080	0.070		
CW	2265003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2265004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2265004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2265004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2265004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2265004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2265005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2267000000	Average				0.081	0.081	0.075	0.075
0.075	0.101	0.101	0.101	0.075	0.075	0.075	0.081		
CW	2267001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
CW	2267001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2267002000	Construction				0.070	0.070	0.089	0.089
0.089	0.094	0.094	0.094	0.080	0.080	0.080	0.070		
CW	2267003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2267004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2267004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2267004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2267004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2267004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2267005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

CW	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2268000000	Average				0.081	0.081	0.075	0.075
0.075	0.101	0.101	0.101	0.075	0.075	0.075	0.081		
CW	2268001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
CW	2268001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2268002000	Construction				0.070	0.070	0.089	0.089
0.089	0.094	0.094	0.094	0.080	0.080	0.080	0.070		
CW	2268003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2268004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2268004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2268004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2268004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2268004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2268005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2270000000	Average				0.081	0.081	0.075	0.075
0.075	0.101	0.101	0.101	0.075	0.075	0.075	0.081		
CW	2270001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
CW	2270001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2270002000	Construction				0.070	0.070	0.089	0.089
0.089	0.094	0.094	0.094	0.080	0.080	0.080	0.070		
CW	2270003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2270004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2270004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2270004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2270004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2270004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
CW	2270005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
CW	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
CW	2282000000	Recreational Marine				0.023	0.023	0.075	0.075
0.075	0.16	0.16	0.16	0.075	0.075	0.075	0.023		

CW	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2260000000	Average				0.08	0.08	0.074	0.074
0.074	0.103	0.103	0.103	0.074	0.074	0.074	0.08		
MIDAT	2260001000	Recreational Equipment				0.04	0.04	0.078	0.078
0.078	0.137	0.137	0.137	0.078	0.078	0.078	0.04		
MIDAT	2260001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2260002000	Construction				0.072	0.072	0.079	0.079
0.079	0.098	0.098	0.098	0.085	0.085	0.085	0.072		
MIDAT	2260003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2260004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2260004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2260004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2260004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2260004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2260005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2265000000	Average				0.08	0.08	0.074	0.074
0.074	0.103	0.103	0.103	0.074	0.074	0.074	0.08		
MIDAT	2265001000	Recreational Equipment				0.04	0.04	0.078	0.078
0.078	0.137	0.137	0.137	0.078	0.078	0.078	0.04		
MIDAT	2265001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2265002000	Construction				0.072	0.072	0.079	0.079
0.079	0.098	0.098	0.098	0.085	0.085	0.085	0.072		
MIDAT	2265003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2265004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2265004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2265004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2265004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2265004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2265005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2267000000	Average				0.08	0.08	0.074	0.074
0.074	0.103	0.103	0.103	0.074	0.074	0.074	0.08		
MIDAT	2267001000	Recreational Equipment				0.04	0.04	0.078	0.078
0.078	0.137	0.137	0.137	0.078	0.078	0.078	0.04		
MIDAT	2267001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		

MIDAT	2267002000	Construction				0.072	0.072	0.079	0.079
0.079	0.098	0.098	0.098	0.085	0.085	0.085	0.072		
MIDAT	2267003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2267004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2267004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2267004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2267004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2267004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2267005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2268000000	Average				0.08	0.08	0.074	0.074
0.074	0.103	0.103	0.103	0.074	0.074	0.074	0.08		
MIDAT	2268001000	Recreational Equipment				0.04	0.04	0.078	0.078
0.078	0.137	0.137	0.137	0.078	0.078	0.078	0.04		
MIDAT	2268001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2268002000	Construction				0.072	0.072	0.079	0.079
0.079	0.098	0.098	0.098	0.085	0.085	0.085	0.072		
MIDAT	2268003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2268004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2268004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2268004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2268004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2268004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2268005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2270000000	Average				0.08	0.08	0.074	0.074
0.074	0.103	0.103	0.103	0.074	0.074	0.074	0.08		
MIDAT	2270001000	Recreational Equipment				0.04	0.04	0.078	0.078
0.078	0.137	0.137	0.137	0.078	0.078	0.078	0.04		
MIDAT	2270001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2270002000	Construction				0.072	0.072	0.079	0.079
0.079	0.098	0.098	0.098	0.085	0.085	0.085	0.072		
MIDAT	2270003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2270004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2270004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

MIDAT	2270004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2270004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2270004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MIDAT	2270005000	Agricultural				0.02	0.02	0.09	0.09
0.09	0.133	0.133	0.133	0.09	0.09	0.09	0.02		
MIDAT	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MIDAT	2282000000	Recreational Marine				0.007	0.007	0.068	0.068
0.068	0.19	0.19	0.19	0.068	0.068	0.068	0.007		
MIDAT	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2260000000	Average				0.076	0.076	0.07	0.07
0.07	0.118	0.118	0.118	0.07	0.07	0.07	0.076		
MW	2260001000	Recreational Equipment				0.027	0.027	0.077	0.077
0.077	0.153	0.153	0.153	0.077	0.077	0.077	0.027		
MW	2260001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2260002000	Construction				0.061	0.061	0.089	0.089
0.089	0.099	0.099	0.099	0.086	0.086	0.086	0.061		
MW	2260003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
MW	2260004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2260004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2260004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2260004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2260004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2260005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2265000000	Average				0.076	0.076	0.07	0.07
0.07	0.118	0.118	0.118	0.07	0.07	0.07	0.076		
MW	2265001000	Recreational Equipment				0.027	0.027	0.077	0.077
0.077	0.153	0.153	0.153	0.077	0.077	0.077	0.027		
MW	2265001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2265002000	Construction				0.061	0.061	0.089	0.089
0.089	0.099	0.099	0.099	0.086	0.086	0.086	0.061		
MW	2265003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
MW	2265004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2265004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2265004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

MW	2265004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2265004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2265005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2267000000	Average				0.076	0.076	0.07	0.07
0.07	0.118	0.118	0.118	0.07	0.07	0.07	0.076		
MW	2267001000	Recreational Equipment				0.027	0.027	0.077	0.077
0.077	0.153	0.153	0.153	0.077	0.077	0.077	0.027		
MW	2267001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2267002000	Construction				0.061	0.061	0.089	0.089
0.089	0.099	0.099	0.099	0.086	0.086	0.086	0.061		
MW	2267003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
MW	2267004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2267004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2267004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2267004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2267004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2267005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2268000000	Average				0.076	0.076	0.07	0.07
0.07	0.118	0.118	0.118	0.07	0.07	0.07	0.076		
MW	2268001000	Recreational Equipment				0.027	0.027	0.077	0.077
0.077	0.153	0.153	0.153	0.077	0.077	0.077	0.027		
MW	2268001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2268002000	Construction				0.061	0.061	0.089	0.089
0.089	0.099	0.099	0.099	0.086	0.086	0.086	0.061		
MW	2268003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
MW	2268004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2268004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2268004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2268004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2268004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2268005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

MW	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2270000000	Average				0.076	0.076	0.07	0.07
0.07	0.118	0.118	0.118	0.07	0.07	0.07	0.076		
MW	2270001000	Recreational Equipment				0.027	0.027	0.077	0.077
0.077	0.153	0.153	0.153	0.077	0.077	0.077	0.027		
MW	2270001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2270002000	Construction				0.061	0.061	0.089	0.089
0.089	0.099	0.099	0.099	0.086	0.086	0.086	0.061		
MW	2270003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
MW	2270004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2270004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2270004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2270004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2270004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
MW	2270005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
MW	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
MW	2282000000	Recreational Marine				0	0	0.05	0.05
0.05	0.233	0.233	0.233	0.05	0.05	0.05	0		
MW	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2260000000	Average				0.078	0.078	0.069	0.069
0.069	0.117	0.117	0.117	0.069	0.069	0.069	0.078		
NE	2260001000	Recreational Equipment				0.047	0.047	0.07	0.07
0.07	0.146	0.146	0.146	0.07	0.07	0.07	0.047		
NE	2260001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2260002000	Construction				0.059	0.059	0.093	0.093
0.093	0.095	0.095	0.095	0.086	0.086	0.086	0.059		
NE	2260003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NE	2260004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2260004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2260004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2260004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2260004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2260005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

NE	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	
NE	2265000000	Average				0.078	0.078	0.069	0.069
0.069	0.117	0.117	0.117	0.069	0.069	0.069	0.078		
NE	2265001000	Recreational Equipment				0.047	0.047	0.07	0.07
0.07	0.146	0.146	0.146	0.07	0.07	0.07	0.047		
NE	2265001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2265002000	Construction				0.059	0.059	0.093	0.093
0.093	0.095	0.095	0.095	0.086	0.086	0.086	0.059		
NE	2265003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NE	2265004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2265004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2265004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2265004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2265004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2265005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2267000000	Average				0.078	0.078	0.069	0.069
0.069	0.117	0.117	0.117	0.069	0.069	0.069	0.078		
NE	2267001000	Recreational Equipment				0.047	0.047	0.07	0.07
0.07	0.146	0.146	0.146	0.07	0.07	0.07	0.047		
NE	2267001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2267002000	Construction				0.059	0.059	0.093	0.093
0.093	0.095	0.095	0.095	0.086	0.086	0.086	0.059		
NE	2267003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NE	2267004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2267004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2267004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2267004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2267004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2267005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2268000000	Average				0.078	0.078	0.069	0.069
0.069	0.117	0.117	0.117	0.069	0.069	0.069	0.078		
NE	2268001000	Recreational Equipment				0.047	0.047	0.07	0.07
0.07	0.146	0.146	0.146	0.07	0.07	0.07	0.047		
NE	2268001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		

NE	2268002000	Construction				0.059	0.059	0.093	0.093
0.093	0.095	0.095	0.095	0.086	0.086	0.086	0.059		
NE	2268003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NE	2268004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2268004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2268004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2268004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2268004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2268005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2270000000	Average				0.078	0.078	0.069	0.069
0.069	0.117	0.117	0.117	0.069	0.069	0.069	0.078		
NE	2270001000	Recreational Equipment				0.047	0.047	0.07	0.07
0.07	0.146	0.146	0.146	0.07	0.07	0.07	0.047		
NE	2270001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2270002000	Construction				0.059	0.059	0.093	0.093
0.093	0.095	0.095	0.095	0.086	0.086	0.086	0.059		
NE	2270003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NE	2270004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2270004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2270004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2270004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2270004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NE	2270005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NE	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NE	2282000000	Recreational Marine				0.003	0.003	0.052	0.052
0.052	0.23	0.23	0.23	0.052	0.052	0.052	0.003		
NE	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2260000000	Average				0.077	0.077	0.071	0.071
0.071	0.113	0.113	0.113	0.071	0.071	0.071	0.077		
NW	2260001000	Recreational Equipment				0.043	0.043	0.073	0.073
0.073	0.143	0.143	0.143	0.073	0.073	0.073	0.043		
NW	2260001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2260002000	Construction				0.069	0.069	0.081	0.081
0.081	0.102	0.102	0.102	0.080	0.080	0.080	0.069		

NW	2260003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NW	2260004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2260004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2260004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2260004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2260004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2260005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2265000000	Average				0.077	0.077	0.071	0.071
0.071	0.113	0.113	0.113	0.071	0.071	0.071	0.077		
NW	2265001000	Recreational Equipment				0.037	0.037	0.075	0.075
0.075	0.147	0.147	0.147	0.075	0.075	0.075	0.037		
NW	2265001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2265002000	Construction				0.069	0.069	0.081	0.081
0.081	0.102	0.102	0.102	0.080	0.080	0.080	0.069		
NW	2265003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NW	2265004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2265004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2265004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2265004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2265004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2265005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2267000000	Average				0.077	0.077	0.071	0.071
0.071	0.113	0.113	0.113	0.071	0.071	0.071	0.077		
NW	2267001000	Recreational Equipment				0.037	0.037	0.075	0.075
0.075	0.147	0.147	0.147	0.075	0.075	0.075	0.037		
NW	2267001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2267002000	Construction				0.069	0.069	0.081	0.081
0.081	0.102	0.102	0.102	0.080	0.080	0.080	0.069		
NW	2267003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NW	2267004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2267004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2267004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

NW	2267004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2267004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2267005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2268000000	Average				0.077	0.077	0.071	0.071
0.071	0.113	0.113	0.113	0.071	0.071	0.071	0.077		
NW	2268001000	Recreational Equipment				0.037	0.037	0.075	0.075
0.075	0.147	0.147	0.147	0.075	0.075	0.075	0.037		
NW	2268001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2268002000	Construction				0.069	0.069	0.081	0.081
0.081	0.102	0.102	0.102	0.080	0.080	0.080	0.069		
NW	2268003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NW	2268004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2268004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2268004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2268004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2268004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2268005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2270000000	Average				0.077	0.077	0.071	0.071
0.071	0.113	0.113	0.113	0.071	0.071	0.071	0.077		
NW	2270001000	Recreational Equipment				0.037	0.037	0.075	0.075
0.075	0.147	0.147	0.147	0.075	0.075	0.075	0.037		
NW	2270001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2270002000	Construction				0.069	0.069	0.081	0.081
0.081	0.102	0.102	0.102	0.080	0.080	0.080	0.069		
NW	2270003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
NW	2270004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2270004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2270004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2270004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2270004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
NW	2270005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
NW	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

NW	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
NW	2282000000	Recreational Marine				0.016	0.016	0.063	0.063
0.063	0.19	0.19	0.19	0.063	0.063	0.063	0.016		
NW	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2260000000	Average				0.076	0.076	0.07	0.07
0.07	0.117	0.117	0.117	0.07	0.07	0.07	0.076		
RCKMT	2260001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
RCKMT	2260001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2260002000	Construction				0.066	0.066	0.079	0.079
0.079	0.100	0.100	0.100	0.089	0.089	0.089	0.066		
RCKMT	2260003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
RCKMT	2260004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2260004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2260004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2260004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2260004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2260005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2265000000	Average				0.076	0.076	0.07	0.07
0.07	0.117	0.117	0.117	0.07	0.07	0.07	0.076		
RCKMT	2265001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
RCKMT	2265001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2265002000	Construction				0.066	0.066	0.079	0.079
0.079	0.100	0.100	0.100	0.089	0.089	0.089	0.066		
RCKMT	2265003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
RCKMT	2265004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2265004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2265004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2265004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2265004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2265005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

RCKMT	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2267000000	Average				0.076	0.076	0.07	0.07
0.07	0.117	0.117	0.117	0.07	0.07	0.07	0.076		
RCKMT	2267001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
RCKMT	2267001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2267002000	Construction				0.066	0.066	0.079	0.079
0.079	0.100	0.100	0.100	0.089	0.089	0.089	0.066		
RCKMT	2267003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
RCKMT	2267004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2267004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2267004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2267004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2267004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2267005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2268000000	Average				0.076	0.076	0.07	0.07
0.07	0.117	0.117	0.117	0.07	0.07	0.07	0.076		
RCKMT	2268001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
RCKMT	2268001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2268002000	Construction				0.066	0.066	0.079	0.079
0.079	0.100	0.100	0.100	0.089	0.089	0.089	0.066		
RCKMT	2268003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
RCKMT	2268004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2268004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2268004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2268004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2268004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2268005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2270000000	Average				0.076	0.076	0.07	0.07
0.07	0.117	0.117	0.117	0.07	0.07	0.07	0.076		
RCKMT	2270001000	Recreational Equipment				0.027	0.027	0.08	0.08
0.08	0.147	0.147	0.147	0.08	0.08	0.08	0.027		
RCKMT	2270001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		

RCKMT	2270002000	Construction				0.066	0.066	0.079	0.079
0.079	0.100	0.100	0.100	0.089	0.089	0.089	0.066		
RCKMT	2270003000	Industrial				0.067	0.067	0.083	0.083
0.083	0.1	0.1	0.1	0.083	0.083	0.083	0.067		
RCKMT	2270004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2270004020	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2270004021	Lawn and garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2270004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2270004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
RCKMT	2270005000	Agricultural				0.02	0.02	0.073	0.073
0.073	0.167	0.167	0.167	0.073	0.073	0.073	0.02		
RCKMT	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
RCKMT	2282000000	Recreational Marine				0	0	0.052	0.052
0.052	0.23	0.23	0.23	0.052	0.052	0.052	0		
RCKMT	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2260000000	Average				0.084	0.084	0.077	0.077
0.077	0.094	0.094	0.094	0.077	0.077	0.077	0.084		
SC	2260001000	Recreational Equipment				0.05	0.05	0.082	0.082
0.082	0.12	0.12	0.12	0.082	0.082	0.082	0.05		
SC	2260001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2260002000	Construction				0.068	0.068	0.092	0.092
0.092	0.091	0.091	0.091	0.082	0.082	0.082	0.068		
SC	2260003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2260004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2260004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2260004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2260004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2260004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2260005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2265000000	Average				0.084	0.084	0.077	0.077
0.077	0.094	0.094	0.094	0.077	0.077	0.077	0.084		
SC	2265001000	Recreational Equipment				0.05	0.05	0.082	0.082
0.082	0.12	0.12	0.12	0.082	0.082	0.082	0.05		
SC	2265001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2265002000	Construction				0.068	0.068	0.092	0.092
0.092	0.091	0.091	0.091	0.082	0.082	0.082	0.068		

SC	2265003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	
SC	2265004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2265004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2265004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2265004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2265004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2265005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2267000000	Average				0.084	0.084	0.077	0.077
0.077	0.094	0.094	0.094	0.077	0.077	0.077	0.084		
SC	2267001000	Recreational Equipment				0.05	0.05	0.082	0.082
0.082	0.12	0.12	0.12	0.082	0.082	0.082	0.05		
SC	2267001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2267002000	Construction				0.068	0.068	0.092	0.092
0.092	0.091	0.091	0.091	0.082	0.082	0.082	0.068		
SC	2267003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2267004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2267004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2267004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2267004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2267004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2267005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2268000000	Average				0.084	0.084	0.077	0.077
0.077	0.094	0.094	0.094	0.077	0.077	0.077	0.084		
SC	2268001000	Recreational Equipment				0.05	0.05	0.082	0.082
0.082	0.12	0.12	0.12	0.082	0.082	0.082	0.05		
SC	2268001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2268002000	Construction				0.068	0.068	0.092	0.092
0.092	0.091	0.091	0.091	0.082	0.082	0.082	0.068		
SC	2268003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2268004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2268004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2268004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

SC	2268004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2268004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2268005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2270000000	Average				0.084	0.084	0.077	0.077
0.077	0.094	0.094	0.094	0.077	0.077	0.077	0.084		
SC	2270001000	Recreational Equipment				0.05	0.05	0.082	0.082
0.082	0.12	0.12	0.12	0.082	0.082	0.082	0.05		
SC	2270001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2270002000	Construction				0.068	0.068	0.092	0.092
0.092	0.091	0.091	0.091	0.082	0.082	0.082	0.068		
SC	2270003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2270004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2270004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2270004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2270004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2270004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SC	2270005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SC	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SC	2282000000	Recreational Marine				0.023	0.023	0.075	0.075
0.075	0.16	0.16	0.16	0.075	0.075	0.075	0.023		
SC	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2260000000	Average				0.085	0.085	0.077	0.077
0.077	0.093	0.093	0.093	0.077	0.077	0.077	0.085		
SE	2260001000	Recreational Equipment				0.057	0.057	0.08	0.08
0.08	0.117	0.117	0.117	0.08	0.08	0.08	0.057		
SE	2260001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2260002000	Construction				0.078	0.078	0.080	0.080
0.080	0.089	0.089	0.089	0.086	0.086	0.086	0.078		
SE	2260003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2260004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2260004020	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2260004021	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2260004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		

SE	2260004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2260005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2265000000	Average				0.085	0.085	0.077	0.077
0.077	0.093	0.093	0.093	0.077	0.077	0.077	0.085		
SE	2265001000	Recreational Equipment				0.057	0.057	0.08	0.08
0.08	0.117	0.117	0.117	0.08	0.08	0.08	0.057		
SE	2265001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2265002000	Construction				0.078	0.078	0.080	0.080
0.080	0.089	0.089	0.089	0.086	0.086	0.086	0.078		
SE	2265003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2265004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2265004020	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2265004021	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2265004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2265004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2265005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2267000000	Average				0.085	0.085	0.077	0.077
0.077	0.093	0.093	0.093	0.077	0.077	0.077	0.085		
SE	2267001000	Recreational Equipment				0.057	0.057	0.08	0.08
0.08	0.117	0.117	0.117	0.08	0.08	0.08	0.057		
SE	2267001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2267002000	Construction				0.078	0.078	0.080	0.080
0.080	0.089	0.089	0.089	0.086	0.086	0.086	0.078		
SE	2267003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2267004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2267004020	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2267004021	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2267004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2267004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2267005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

SE	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2268000000	Average				0.085	0.085	0.077	0.077
0.077	0.093	0.093	0.093	0.077	0.077	0.077	0.085		
SE	2268001000	Recreational Equipment				0.057	0.057	0.08	0.08
0.08	0.117	0.117	0.117	0.08	0.08	0.08	0.057		
SE	2268001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2268002000	Construction				0.078	0.078	0.080	0.080
0.080	0.089	0.089	0.089	0.086	0.086	0.086	0.078		
SE	2268003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2268004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2268004020	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2268004021	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2268004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2268004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2268005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2270000000	Average				0.085	0.085	0.077	0.077
0.077	0.093	0.093	0.093	0.077	0.077	0.077	0.085		
SE	2270001000	Recreational Equipment				0.057	0.057	0.08	0.08
0.08	0.117	0.117	0.117	0.08	0.08	0.08	0.057		
SE	2270001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2270002000	Construction				0.078	0.078	0.080	0.080
0.080	0.089	0.089	0.089	0.086	0.086	0.086	0.078		
SE	2270003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2270004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2270004020	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2270004021	Lawn and Garden Chainswas				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2270004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2270004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SE	2270005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SE	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SE	2282000000	Recreational Marine				0.023	0.023	0.075	0.075
0.075	0.16	0.16	0.16	0.075	0.075	0.075	0.023		
SE	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

SW	2260000000	Average				0.083	0.083	0.078	0.078
0.078	0.094	0.094	0.094	0.078	0.078	0.078	0.083		
SW	2260001000	Recreational Equipment				0.04	0.04	0.085	0.085
0.085	0.123	0.123	0.123	0.085	0.085	0.085	0.04		
SW	2260001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2260002000	Construction				0.075	0.075	0.084	0.084
0.084	0.091	0.091	0.091	0.084	0.084	0.084	0.075		
SW	2260003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2260004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2260004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2260004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2260004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2260004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2260005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2265000000	Average				0.083	0.083	0.078	0.078
0.078	0.094	0.094	0.094	0.078	0.078	0.078	0.083		
SW	2265001000	Recreational Equipment				0.04	0.04	0.085	0.085
0.085	0.123	0.123	0.123	0.085	0.085	0.085	0.04		
SW	2265001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2265002000	Construction				0.075	0.075	0.084	0.084
0.084	0.091	0.091	0.091	0.084	0.084	0.084	0.075		
SW	2265003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2265004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2265004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2265004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2265004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2265004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2265005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2267000000	Average				0.083	0.083	0.078	0.078
0.078	0.094	0.094	0.094	0.078	0.078	0.078	0.083		
SW	2267001000	Recreational Equipment				0.04	0.04	0.085	0.085
0.085	0.123	0.123	0.123	0.085	0.085	0.085	0.04		
SW	2267001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2267002000	Construction				0.075	0.075	0.084	0.084
0.084	0.091	0.091	0.091	0.084	0.084	0.084	0.075		

SW	2267003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	
SW	2267004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2267004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2267004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2267004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2267004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2267005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2268000000	Average				0.083	0.083	0.078	0.078
0.078	0.094	0.094	0.094	0.078	0.078	0.078	0.083		
SW	2268001000	Recreational Equipment				0.04	0.04	0.085	0.085
0.085	0.123	0.123	0.123	0.085	0.085	0.085	0.04		
SW	2268001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2268002000	Construction				0.075	0.075	0.084	0.084
0.084	0.091	0.091	0.091	0.084	0.084	0.084	0.075		
SW	2268003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2268004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2268004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2268004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2268004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2268004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2268005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2270000000	Average				0.083	0.083	0.078	0.078
0.078	0.094	0.094	0.094	0.078	0.078	0.078	0.083		
SW	2270001000	Recreational Equipment				0.04	0.04	0.085	0.085
0.085	0.123	0.123	0.123	0.085	0.085	0.085	0.04		
SW	2270001020	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2270002000	Construction				0.075	0.075	0.084	0.084
0.084	0.091	0.091	0.091	0.084	0.084	0.084	0.075		
SW	2270003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2270004000	Lawn and Garden excl. chainsaws				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2270004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2270004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

SW	2270004035	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2270004036	Snowblowers/Snowmobiles				0.333	0.333	0	0
0	0	0	0	0	0	0	0.333		
SW	2270005000	Agricultural				0.02	0.02	0.1	0.1
0.1	0.113	0.113	0.113	0.1	0.1	0.1	0.02		
SW	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
SW	2282000000	Recreational Marine				0.023	0.023	0.075	0.075
0.075	0.16	0.16	0.16	0.075	0.075	0.075	0.023		
SW	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2260000000	Average				0.081	0.082	0.09	0.08
0.081	0.087	0.087	0.087	0.079	0.075	0.085	0.083		
WCST	2260001000	Recreational Equipment				0.06	0.06	0.07	0.08
0.09	0.1	0.1	0.1	0.09	0.09	0.09	0.07		
WCST	2260001020	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2260002000	Construction				0.072	0.072	0.088	0.088
0.088	0.090	0.090	0.090	0.083	0.083	0.083	0.072		
WCST	2260003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2260004000	Lawn and Garden excl. chainsaws				0.057	0.067	0.086	0.086
0.095	0.095	0.095	0.095	0.095	0.086	0.076	0.067		
WCST	2260004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2260004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2260004035	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2260004036	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2260005000	Agricultural				0.054	0.054	0.086	0.086
0.108	0.108	0.108	0.108	0.108	0.075	0.054	0.054		
WCST	2260006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2260007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2260008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2265000000	Average				0.081	0.082	0.09	0.08
0.081	0.087	0.087	0.087	0.079	0.075	0.085	0.083		
WCST	2265001000	Recreational Equipment				0.06	0.06	0.07	0.08
0.09	0.1	0.1	0.1	0.09	0.09	0.09	0.07		
WCST	2265001020	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2265002000	Construction				0.072	0.072	0.088	0.088
0.088	0.090	0.090	0.090	0.083	0.083	0.083	0.072		
WCST	2265003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2265004000	Lawn and Garden excl. chainsaws				0.057	0.067	0.086	0.086
0.095	0.095	0.095	0.095	0.095	0.086	0.076	0.067		
WCST	2265004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2265004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2265004035	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		

WCST	2265004036	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2265005000	Agricultural				0.054	0.054	0.086	0.086
0.108	0.108	0.108	0.108	0.108	0.075	0.054	0.054		
WCST	2265006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2265007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2265008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2267000000	Average				0.081	0.082	0.09	0.08
0.081	0.087	0.087	0.087	0.079	0.075	0.085	0.083		
WCST	2267001000	Recreational Equipment				0.06	0.06	0.07	0.08
0.09	0.1	0.1	0.1	0.09	0.09	0.09	0.07		
WCST	2267001020	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2267002000	Construction				0.072	0.072	0.088	0.088
0.088	0.090	0.090	0.090	0.083	0.083	0.083	0.072		
WCST	2267003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2267004000	Lawn and Garden excl. chainsaws				0.057	0.067	0.086	0.086
0.095	0.095	0.095	0.095	0.095	0.086	0.076	0.067		
WCST	2267004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2267004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2267004035	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2267004036	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2267005000	Agricultural				0.054	0.054	0.086	0.086
0.108	0.108	0.108	0.108	0.108	0.075	0.054	0.054		
WCST	2267006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2267007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2267008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2268000000	Average				0.081	0.082	0.09	0.08
0.081	0.087	0.087	0.087	0.079	0.075	0.085	0.083		
WCST	2268001000	Recreational Equipment				0.06	0.06	0.07	0.08
0.09	0.1	0.1	0.1	0.09	0.09	0.09	0.07		
WCST	2268001020	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2268002000	Construction				0.072	0.072	0.088	0.088
0.088	0.090	0.090	0.090	0.083	0.083	0.083	0.072		
WCST	2268003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2268004000	Lawn and Garden excl. chainsaws				0.057	0.067	0.086	0.086
0.095	0.095	0.095	0.095	0.095	0.086	0.076	0.067		
WCST	2268004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2268004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2268004035	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2268004036	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2268005000	Agricultural				0.054	0.054	0.086	0.086
0.108	0.108	0.108	0.108	0.108	0.075	0.054	0.054		
WCST	2268006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2268007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		

WCST	2268008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083	
WCST	2270000000	Average				0.081	0.082	0.09	0.08
0.081	0.087	0.087	0.087	0.079	0.075	0.085	0.083		
WCST	2270001000	Recreational Equipment				0.06	0.06	0.07	0.08
0.09	0.1	0.1	0.1	0.09	0.09	0.09	0.07		
WCST	2270001020	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2270002000	Construction				0.072	0.072	0.088	0.088
0.088	0.090	0.090	0.090	0.083	0.083	0.083	0.072		
WCST	2270003000	Industrial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2270004000	Lawn and Garden excl. chainsaws				0.057	0.067	0.086	0.086
0.095	0.095	0.095	0.095	0.095	0.086	0.076	0.067		
WCST	2270004020	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2270004021	Lawn and Garden Chainsaws				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2270004035	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2270004036	Snowblowers/Snowmobiles				0.2	0.2	0.18	0.06
0.02	0	0	0	0	0	0.14	0.2		
WCST	2270005000	Agricultural				0.054	0.054	0.086	0.086
0.108	0.108	0.108	0.108	0.108	0.075	0.054	0.054		
WCST	2270006000	Light Commercial				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2270007000	Logging				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2270008000	Airport Service				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2280000000	Commercial Marine				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
WCST	2282000000	Recreational Marine				0.023	0.023	0.075	0.075
0.075	0.16	0.16	0.16	0.075	0.075	0.075	0.023		
WCST	2285000000	Railway Maintenance				0.083	0.083	0.083	0.083
0.083	0.083	0.083	0.083	0.083	0.083	0.083	0.083		
US	2260001000					0.0422	0.0422	0.0777	0.0785
0.0793	0.1330	0.1330	0.1330	0.0793	0.0793	0.0793	0.0431		
US	2260001020					0.3321	0.3321	0.0016	0.0005
0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013	0.3321		
US	2260002000					0.0699	0.0699	0.0848	0.0848
0.0848	0.0941	0.0941	0.0941	0.0845	0.0845	0.0845	0.0699		
US	2260003000					0.0764	0.0764	0.0832	0.0832
0.0832	0.0905	0.0905	0.0905	0.0832	0.0832	0.0832	0.0764		
US	2260004000					0.0240	0.0251	0.0865	0.0865
0.0874	0.1354	0.1354	0.1354	0.0874	0.0865	0.0854	0.0251		
US	2260004016					0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280		
US	2260004020					0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833		
US	2260004021					0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833		
US	2260004026					0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280		
US	2260004031					0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280		
US	2260004035					0.3308	0.3308	0.0035	0.0012
0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027	0.3308		
US	2260004036					0.3298	0.3298	0.0048	0.0016
0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.3298		
US	2260004071					0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280		
US	2260005000					0.0210	0.0210	0.0817	0.0817
0.0824	0.1488	0.1488	0.1488	0.0824	0.0814	0.0808	0.0210		

US	2260006000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2260007000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2260008000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2265001000				0.0419	0.0419	0.0778	0.0786
0.0794	0.1332	0.1332	0.1332	0.0794	0.0794	0.0794	0.0427	
US	2265001050				0.0401	0.0401	0.0773	0.0779
0.0785	0.1367	0.1367	0.1367	0.0785	0.0785	0.0785	0.0407	
US	2265002000				0.0699	0.0699	0.0848	0.0848
0.0848	0.0941	0.0941	0.0941	0.0845	0.0845	0.0845	0.0699	
US	2265003000				0.0764	0.0764	0.0832	0.0832
0.0832	0.0905	0.0905	0.0905	0.0832	0.0832	0.0832	0.0764	
US	2265004000				0.0240	0.0251	0.0865	0.0865
0.0874	0.1354	0.1354	0.1354	0.0874	0.0865	0.0854	0.0251	
US	2265004011				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004016				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004026				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004031				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004035				0.3308	0.3308	0.0035	0.0012
0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0027	0.3308	
US	2265004036				0.3298	0.3298	0.0048	0.0016
0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.3298	
US	2265004041				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004046				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004051				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004056				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004066				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004071				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265004076				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2265005000				0.0210	0.0210	0.0817	0.0817
0.0824	0.1488	0.1488	0.1488	0.0824	0.0814	0.0808	0.0210	
US	2265006000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2265007000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2265008000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2265010010				0.0823	0.0823	0.0769	0.0765
0.0765	0.0980	0.0980	0.0980	0.0764	0.0763	0.0767	0.0823	
US	2267001060				0.0419	0.0419	0.0778	0.0786
0.0794	0.1332	0.1332	0.1332	0.0794	0.0794	0.0794	0.0427	
US	2267002000				0.0699	0.0699	0.0848	0.0848
0.0848	0.0941	0.0941	0.0941	0.0845	0.0845	0.0845	0.0699	
US	2267003000				0.0764	0.0764	0.0832	0.0832
0.0832	0.0905	0.0905	0.0905	0.0832	0.0832	0.0832	0.0764	
US	2267004066				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2267005000				0.0210	0.0210	0.0817	0.0817
0.0824	0.1488	0.1488	0.1488	0.0824	0.0814	0.0808	0.0210	
US	2267006000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	

US	2267008000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2268002000				0.0699	0.0699	0.0848	0.0848
0.0848	0.0941	0.0941	0.0845	0.0845	0.0845	0.0845	0.0699	
US	2268003000				0.0764	0.0764	0.0832	0.0832
0.0832	0.0905	0.0905	0.0905	0.0832	0.0832	0.0832	0.0764	
US	2268005000				0.0210	0.0210	0.0817	0.0817
0.0824	0.1488	0.1488	0.1488	0.0824	0.0814	0.0808	0.0210	
US	2268006000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2268010010				0.0823	0.0823	0.0769	0.0765
0.0765	0.0980	0.0980	0.0980	0.0764	0.0763	0.0767	0.0823	
US	2270001060				0.0419	0.0419	0.0778	0.0786
0.0794	0.1332	0.1332	0.1332	0.0794	0.0794	0.0794	0.0427	
US	2270002000				0.0699	0.0699	0.0848	0.0848
0.0848	0.0941	0.0941	0.0845	0.0845	0.0845	0.0845	0.0699	
US	2270003000				0.0764	0.0764	0.0832	0.0832
0.0832	0.0905	0.0905	0.0832	0.0832	0.0832	0.0832	0.0764	
US	2270004031				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2270004036				0.3298	0.3298	0.0048	0.0016
0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.3298	
US	2270004046				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2270004056				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2270004066				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2270004071				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2270004076				0.0263	0.0280	0.0878	0.0878
0.0893	0.1298	0.1298	0.1298	0.0893	0.0878	0.0861	0.0280	
US	2270005000				0.0210	0.0210	0.0817	0.0817
0.0824	0.1488	0.1488	0.1488	0.0824	0.0814	0.0808	0.0210	
US	2270006000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2270007000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2270008000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	
US	2270009000				0.0807	0.0807	0.0744	0.0744
0.0744	0.1038	0.1038	0.1038	0.0744	0.0744	0.0744	0.0807	
US	2270010010				0.0823	0.0823	0.0769	0.0765
0.0765	0.0980	0.0980	0.0764	0.0763	0.0763	0.0767	0.0823	
US	2282000000				0.0128	0.0128	0.0653	0.0653
0.0653	0.1900	0.1900	0.1900	0.0653	0.0653	0.0653	0.0128	
US	2285000000				0.0833	0.0833	0.0833	0.0833
0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	0.0833	

/END/

The following packet contains the day-of-week adjustment factors.
The factors are fraction of weekly activity occurring in the given
day. Two factors are provided: typical weekday and typical
weekend day. To get the total weeks activity, multiply the
weekday factor by 5 and the weekend factor by 2 and add the
results together.
Global SCC codes can be used and the model will find the best
match.
A blank region code will apply to all states and counties.
The model will also find the best match on subregion code.

The format is as follows:

1- 5 character -- subregion code (blank = match all)

7- 16 character -- SCC code (global codes are acceptable)
 18- 52 character -- equipment description (not used)
 52- 61 real -- fraction of weekly activity in typical weekday
 62- 71 real -- fraction of weekly activity in typical weekend

/DAILY/

2260001000	Recreational Equipment	0.11111111	0.22222222
2260002000	Construction	0.16666667	0.08333334
2260003000	Industrial	0.16666667	0.08333334
2260003060	AC\Refrigeration	0.1428571	0.1428571
2260004000	Lawn & Garden	0.11111111	0.22222222
2260005000	Agricultural	0.16666667	0.08333334
2260006000	Light Commercial	0.16666667	0.08333334
2260007000	Logging	0.16666667	0.08333334
2260008000	Airport Service	0.1428571	0.1428571
2260009000	Underground Mining	0.16666667	0.08333334
2265001000	Recreational Equipment	0.11111111	0.22222222
2265002000	Construction	0.16666667	0.08333334
2265003000	Industrial	0.16666667	0.08333334
2265003060	AC\Refrigeration	0.1428571	0.1428571
2265004000	Lawn & Garden	0.11111111	0.22222222
2265005000	Agricultural	0.16666667	0.08333334
2265006000	Light Commercial	0.16666667	0.08333334
2265007000	Logging	0.16666667	0.08333334
2265008000	Airport Service	0.1428571	0.1428571
2265009000	Underground Mining	0.16666667	0.08333334
2267001000	Recreational Equipment	0.11111111	0.22222222
2267002000	Construction	0.16666667	0.08333334
2267003000	Industrial	0.16666667	0.08333334
2267003060	AC\Refrigeration	0.1428571	0.1428571
2267004000	Lawn & Garden	0.11111111	0.22222222
2267005000	Agricultural	0.16666667	0.08333334
2267006000	Light Commercial	0.16666667	0.08333334
2267007000	Logging	0.16666667	0.08333334
2267008000	Airport Service	0.1428571	0.1428571
2267009000	Underground Mining	0.16666667	0.08333334
2268001000	Recreational Equipment	0.11111111	0.22222222
2268002000	Construction	0.16666667	0.08333334
2268003000	Industrial	0.16666667	0.08333334
2268003060	AC\Refrigeration	0.1428571	0.1428571
2268004000	Lawn & Garden	0.11111111	0.22222222
2268005000	Agricultural	0.16666667	0.08333334
2268006000	Light Commercial	0.16666667	0.08333334
2268007000	Logging	0.16666667	0.08333334
2268008000	Airport Service	0.1428571	0.1428571
2268009000	Underground Mining	0.16666667	0.08333334
2270001000	Recreational Equipment	0.11111111	0.22222222
2270002000	Construction	0.16666667	0.08333334
2270003000	Industrial	0.16666667	0.08333334
2270003060	AC\Refrigeration	0.1428571	0.1428571
2270004000	Lawn & Garden	0.11111111	0.22222222
2270005000	Agricultural	0.16666667	0.08333334
2270006000	Light Commercial	0.16666667	0.08333334
2270007000	Logging	0.16666667	0.08333334
2270008000	Airport Service	0.1428571	0.1428571
2270009000	Underground Mining	0.16666667	0.08333334
2260004011	2-Stroke Lawn mowers (Comm.)	0.16000000	0.10000000
2260004016	2-Stroke Rotary Tillers < 5 HP	0.16000000	0.10000000
2260004021	2-Stroke Chain Saws < 4 HP (Com	0.16000000	0.10000000
2260004026	2-Stroke Trimmers/Edgers/Brush	0.16000000	0.10000000
2260004031	2-Stroke Leafblowers/Vacuums (C	0.16000000	0.10000000
2260004036	2-Stroke Snowblowers (Comm.)	0.16000000	0.10000000
2260004051	2-Stroke Shredders < 5 HP (Comm	0.16000000	0.10000000
2260004071	2-Stroke Commercial Turf Equipm	0.16000000	0.10000000

2260004076	2-Stroke	Other Lawn & Garden Eq	0.1600000	0.1000000
2265004011	4-Stroke	Lawn mowers (Comm.)	0.1600000	0.1000000
2265004016	4-Stroke	Rotary Tillers < 5 HP	0.1600000	0.1000000
2265004026	4-Stroke	Trimmers/Edgers/Brush	0.1600000	0.1000000
2265004031	4-Stroke	Leafblowers/Vacuums (C	0.1600000	0.1000000
2265004036	4-Stroke	Snowblowers (Comm.)	0.1600000	0.1000000
2265004041	4-Stroke	Rear Engine Riding Mow	0.1600000	0.1000000
2265004046	4-Stroke	Front Mowers (Comm.)	0.1600000	0.1000000
2265004051	4-Stroke	Shredders < 5 HP (Comm	0.1600000	0.1000000
2265004056	4-Stroke	Lawn & Garden Tractors	0.1600000	0.1000000
2265004066	4-Stroke	Chippers/Stump Grinder	0.1600000	0.1000000
2265004071	4-Stroke	Commercial Turf Equipm	0.1600000	0.1000000
2265004076	4-Stroke	Other Lawn & Garden Eq	0.1600000	0.1000000
2267004011	LPG	Lawn mowers (Comm.)	0.1600000	0.1000000
2267004016	LPG	Rotary Tillers < 5 HP	0.1600000	0.1000000
2267004026	LPG	Trimmers/Edgers/Brush	0.1600000	0.1000000
2267004031	LPG	Leafblowers/Vacuums (C	0.1600000	0.1000000
2267004036	LPG	Snowblowers (Comm.)	0.1600000	0.1000000
2267004041	LPG	Rear Engine Riding Mow	0.1600000	0.1000000
2267004046	LPG	Front Mowers (Comm.)	0.1600000	0.1000000
2267004051	LPG	Shredders < 5 HP (Comm	0.1600000	0.1000000
2267004056	LPG	Lawn & Garden Tractors	0.1600000	0.1000000
2267004066	LPG	Chippers/Stump Grinder	0.1600000	0.1000000
2267004071	LPG	Commercial Turf Equipm	0.1600000	0.1000000
2267004076	LPG	Other Lawn & Garden Eq	0.1600000	0.1000000
2268004011	CNG	Lawn mowers (Comm.)	0.1600000	0.1000000
2268004016	CNG	Rotary Tillers < 5 HP	0.1600000	0.1000000
2268004026	CNG	Trimmers/Edgers/Brush	0.1600000	0.1000000
2268004031	CNG	Leafblowers/Vacuums (C	0.1600000	0.1000000
2268004036	CNG	Snowblowers (Comm.)	0.1600000	0.1000000
2268004041	CNG	Rear Engine Riding Mow	0.1600000	0.1000000
2268004046	CNG	Front Mowers (Comm.)	0.1600000	0.1000000
2268004051	CNG	Shredders < 5 HP (Comm	0.1600000	0.1000000
2268004056	CNG	Lawn & Garden Tractors	0.1600000	0.1000000
2268004066	CNG	Chippers/Stump Grinder	0.1600000	0.1000000
2268004071	CNG	Commercial Turf Equipm	0.1600000	0.1000000
2268004076	CNG	Other Lawn & Garden Eq	0.1600000	0.1000000
2270004031	Diesel	Leafblowers/Vacuums (Com	0.1600000	0.1000000
2270004036	Diesel	Snowblowers (Comm.)	0.1600000	0.1000000
2270004041	Diesel	Rear Engine Riding Mower	0.1600000	0.1000000
2270004046	Diesel	Front Mowers (Comm.)	0.1600000	0.1000000
2270004056	Diesel	Lawn & Garden Tractors (0.1600000	0.1000000
2270004066	Diesel	Chippers/Stump Grinders	0.1600000	0.1000000
2270004071	Diesel	Commercial Turf Equipmen	0.1600000	0.1000000
2270004076	Diesel	Other Lawn & Garden Equi	0.1600000	0.1000000
2282000000		Recreational Marine	0.0600000	0.3500000
2285000000		Railway Maintenance	0.1800000	0.0500000

/END/

5.5 NONROAD2005 MODEL – OPTION FILES

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2005
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2005_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (Durham, Granville, Wake)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0092
Diesel sulfur % : 0.3000

CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW
/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

US TOTAL - emissions are for entire USA without state breakout.

50STATE - emissions are for all 50 states and Washington D.C., by state.

STATE - emissions are for a select group of states and are state-level estimates

COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.

SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.

50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.

STATE - state FIPS codes

COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.

SUBCOUNTY - county FIPS code and subregion code.

/REGION/
Region Level : COUNTY
DURHAM, NC : 37063
GRANVILLE, NC : 37077
WAKE, NC : 37183
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/
:2260000000

```

:2265000000
:2267000000
:2268000000
:2270000000
:2282000000
:2285000000
/END/

```

```

Diesel Only -
:2270000000
:2282020000
:2285002015

```

```

Spark Ignition Only -
:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

```

```

-----
This is the packet that lists the names of output files
and some of the input data files read by the model.  If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed.  You will probably
want to change the names of the Output and Message files
to match that of the OPTION file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----

```

```

/RUNFILES/
ALLOC XREF      : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY        : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY  : data\tech\tech-exh.dat
EVP TECHNOLOGY  : data\tech\tech-evp.dat
SEASONALITY     : c:\nonroad\data\season\rnc_seas.dat
REGIONS         : c:\nonroad\data\season\rnc_seas.dat
MESSAGE         : c:\nonroad\outputs\tr05x01.msg
OUTPUT DATA    : c:\nonroad\outputs\tr05x01.out
EPS2 AMS        : c:\nonroad\outputs\tr05x01.eps
US COUNTIES FIPS :
RETROFIT        :
/END/

```

```

-----
This is the packet that defines the equipment population
files read by the model.
-----

```

```

/POP FILES/
POPULATION FILE : c:\nonroad\data\pop\NC.pop
/END/

```

```

-----
This is the packet that defines the growth files
files read by the model.
-----

```

```

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

```

```

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Construction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres   : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis.: c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing     : c:\nonroad\data\allocate\NC_house.alo
Logging empl.      : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl.    : c:\nonroad\data\allocate\NC_LSCAP.alo

```

```

Coal mining empl. : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo
Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo
Snowmobiles       : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res.  : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd  : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx    :data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust      : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust       : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust      : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust       : c:\nonroad\data\emsfac\exhpm.emf
BSFC             : c:\nonroad\data\emsfac\bsfc.emf
Crankcase        : c:\nonroad\data\emsfac\crank.emf
Spillage         : c:\nonroad\data\emsfac\spillage.emf
Diurnal          : data\emsfac\evdiu.emf
TANK PERM        : data\emsfac\evtank.emf
NON-RM HOSE PERM : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN : data\emsfac\evsupret.emf
RM VENT PERM     : data\emsfac\evvent.emf
HOT SOAKS        : data\emsfac\evhotsk.emf
RUNINGLOSS       : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust      : c:\nonroad\data\detfac\exhthc.det
CO exhaust       : c:\nonroad\data\detfac\exhco.det
NOX exhaust      : c:\nonroad\data\detfac\exhnox.det
PM exhaust       : c:\nonroad\data\detfac\exhpm.det
Diurnal          : data\detfac\evdiu.det
TANK PERM        : data\detfac\evtank.det
NON-RM HOSE PERM : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN : data\detfac\evsupret.det
RM VENT PERM     : data\detfac\evvent.det
HOT SOAKS        : data\detfac\evhotsk.det
RUNINGLOSS       : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor    : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out : c:\nonroad\outputs\TR05X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV :C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)

```

```

21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000    0.02247
T3      0.2000    0.02247
T3B     0.0500    0.02247
T4A     0.0500    0.02247
T4B     0.0015    0.02247
T4      0.0015    0.30
T4N     0.0015    0.30
/END/

```

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2005
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2005_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (All other Counties)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0092
Diesel sulfur % : 0.3000
CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW

/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

- US TOTAL - emissions are for entire USA without state breakout.
- 50STATE - emissions are for all 50 states and Washington D.C., by state.
- STATE - emissions are for a select group of states and are state-level estimates
- COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.
- SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

- US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- 50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- STATE - state FIPS codes
- COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.
- SUBCOUNTY - county FIPS code and subregion code.

/REGION/

Region Level : COUNTY
CHATHAM, NC : 37037
FRANKLIN, NC : 37069
JOHNSTON, NC : 37101
ORANGE, NC : 37135
PERSON, NC : 37145
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/

:2260000000
:2265000000
:2267000000
:2268000000

```

:2270000000
:2282000000
:2285000000
/END/

```

Diesel Only -

```

:2270000000
:2282020000
:2285002015

```

Spark Ignition Only -

```

:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

```

```

-----
This is the packet that lists the names of output files
and some of the input data files read by the model.  If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed.  You will probably
want to change the names of the Output and Message files
to match that of the OPTion file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----

```

```

/RUNFILES/
ALLOC XREF      : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY        : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY  : data\tech\tech-exh.dat
EVP TECHNOLOGY  : data\tech\tech-evp.dat
SEASONALITY     : c:\nonroad\data\season\rnc_seas.dat
REGIONS         : c:\nonroad\data\season\rnc_seas.dat
MESSAGE         : c:\nonroad\outputs\tr05x02.msg
OUTPUT DATA    : c:\nonroad\outputs\tr05x02.out
EPS2 AMS        : c:\nonroad\outputs\tr05x02.eps
US COUNTIES FIPS :
RETROFIT        :
/END/

```

```

-----
This is the packet that defines the equipment population
files read by the model.
-----

```

```

/POP FILES/
POPULATION FILE : c:\nonroad\data\pop\NC.pop
/END/

```

```

-----
This is the packet that defines the growth files
files read by the model.
-----

```

```

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

```

```

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Contruction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres   : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis. : c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing    : c:\nonroad\data\allocate\NC_house.alo
Logging empl.     : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl.   : c:\nonroad\data\allocate\NC_LSCAP.alo
Coal mining empl. : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo

```

```

Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo
Snowmobiles       : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res.  : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd   : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd  : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx    :data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust       : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust        : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust       : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust        : c:\nonroad\data\emsfac\exhpm.emf
BSFC              : c:\nonroad\data\emsfac\bsfc.emf
Crankcase         : c:\nonroad\data\emsfac\crank.emf
Spillage          : c:\nonroad\data\emsfac\spillage.emf
Diurnal           : data\emsfac\evdiu.emf
TANK PERM         : data\emsfac\evtank.emf
NON-RM HOSE PERM  : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN  : data\emsfac\evsupret.emf
RM VENT PERM      : data\emsfac\evvent.emf
HOT SOAKS        : data\emsfac\evhotsk.emf
RUNINGLOSS       : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust       : c:\nonroad\data\detfac\exhthc.det
CO exhaust        : c:\nonroad\data\detfac\exhco.det
NOX exhaust       : c:\nonroad\data\detfac\exhnox.det
PM exhaust        : c:\nonroad\data\detfac\exhpm.det
Diurnal           : data\detfac\evdiu.det
TANK PERM         : data\detfac\evtank.det
NON-RM HOSE PERM  : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN  : data\detfac\evsupret.det
RM VENT PERM      : data\detfac\evvent.det
HOT SOAKS        : data\detfac\evhotsk.det
RUNINGLOSS       : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor    : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out : c:\nonroad\outputs\TR05X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV :C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000      0.02247

```

T3	0.2000	0.02247
T3B	0.0500	0.02247
T4A	0.0500	0.02247
T4B	0.0015	0.02247
T4	0.0015	0.30
T4N	0.0015	0.30

/END/

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2008
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2008_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (Durham, Granville, Wake)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0030
Diesel sulfur % : 0.0500
CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW

/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

- US TOTAL - emissions are for entire USA without state breakout.
- 50STATE - emissions are for all 50 states and Washington D.C., by state.
- STATE - emissions are for a select group of states and are state-level estimates
- COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.
- SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

- US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- 50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- STATE - state FIPS codes
- COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.
- SUBCOUNTY - county FIPS code and subregion code.

/REGION/

Region Level : COUNTY
DURHAM, NC : 37063
GRANVILLE, NC : 37077
WAKE, NC : 37183
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/

:2260000000
:2265000000
:2267000000
:2268000000
:2270000000
:2282000000

:2285000000
/END/

Diesel Only -
:2270000000
:2282020000
:2285002015

Spark Ignition Only -
:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

This is the packet that lists the names of output files
and some of the input data files read by the model. If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed. You will probably
want to change the names of the Output and Message files
to match that of the OPTion file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.

/RUNFILES/
ALLOC XREF : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY : data\tech\tech-exh.dat
EVP TECHNOLOGY : data\tech\tech-evp.dat
SEASONALITY : c:\nonroad\data\season\rnc_seas.dat
REGIONS : c:\nonroad\data\season\rnc_seas.dat
MESSAGE : c:\nonroad\outputs\tr08x01.msg
OUTPUT DATA : c:\nonroad\outputs\tr08x01.out
EPS2 AMS : c:\nonroad\outputs\tr08x01.eps
US COUNTIES FIPS :
RETROFIT :
/END/

This is the packet that defines the equipment population
files read by the model.

/POP FILES/
POPULATION FILE : c:\nonroad\data\pop\NC.pop
/END/

This is the packet that defines the growth files
files read by the model.

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Contruction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis. : c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing : c:\nonroad\data\allocate\NC_house.alo
Logging empl. : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl. : c:\nonroad\data\allocate\NC_LSCAP.alo
Coal mining empl. : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo
Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo

```

Snowmobiles      : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res. : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd  : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx    :data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust      : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust       : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust      : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust       : c:\nonroad\data\emsfac\exhpm.emf
BSFC             : c:\nonroad\data\emsfac\bsfc.emf
Crankcase        : c:\nonroad\data\emsfac\crank.emf
Spillage         : c:\nonroad\data\emsfac\spillage.emf
Diurnal          : data\emsfac\evdiu.emf
TANK PERM        : data\emsfac\evtank.emf
NON-RM HOSE PERM : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN : data\emsfac\evsupret.emf
RM VENT PERM     : data\emsfac\evvent.emf
HOT SOAKS        : data\emsfac\evhotsk.emf
RUNINGLOSS       : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust      : c:\nonroad\data\detfac\exhthc.det
CO exhaust       : c:\nonroad\data\detfac\exhco.det
NOX exhaust      : c:\nonroad\data\detfac\exhnox.det
PM exhaust       : c:\nonroad\data\detfac\exhpm.det
Diurnal          : data\detfac\evdiu.det
TANK PERM        : data\detfac\evtank.det
NON-RM HOSE PERM : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN : data\detfac\evsupret.det
RM VENT PERM     : data\detfac\evvent.det
HOT SOAKS        : data\detfac\evhotsk.det
RUNINGLOSS       : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor    : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out : c:\nonroad\outputs\TR08X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV :C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000    0.02247
T3      0.2000    0.02247
T3B     0.0500    0.02247

```


T4A	0.0500	0.02247
T4B	0.0015	0.02247
T4	0.0015	0.30
T4N	0.0015	0.30

/END/

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2008
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2008_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (All other Counties)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0030
Diesel sulfur % : 0.0500
CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW

/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

- US TOTAL - emissions are for entire USA without state breakout.
- 50STATE - emissions are for all 50 states and Washington D.C., by state.
- STATE - emissions are for a select group of states and are state-level estimates
- COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.
- SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

- US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- 50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- STATE - state FIPS codes
- COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.
- SUBCOUNTY - county FIPS code and subregion code.

/REGION/

Region Level : COUNTY
CHATHAM, NC : 37037
FRANKLIN, NC : 37069
JOHNSTON, NC : 37101
ORANGE, NC : 37135
PERSON, NC : 37145
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/

:2260000000
:2265000000
:2267000000
:2268000000

```

:2270000000
:2282000000
:2285000000
/END/

```

Diesel Only -

```

:2270000000
:2282020000
:2285002015

```

Spark Ignition Only -

```

:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

```

```

-----
This is the packet that lists the names of output files
and some of the input data files read by the model.  If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed.  You will probably
want to change the names of the Output and Message files
to match that of the OPTion file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----

```

```

/RUNFILES/
ALLOC XREF      : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY        : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY  : data\tech\tech-exh.dat
EVP TECHNOLOGY  : data\tech\tech-evp.dat
SEASONALITY     : c:\nonroad\data\season\rnc_seas.dat
REGIONS         : c:\nonroad\data\season\rnc_seas.dat
MESSAGE         : c:\nonroad\outputs\tr08x02.msg
OUTPUT DATA    : c:\nonroad\outputs\tr08x02.out
EPS2 AMS        : c:\nonroad\outputs\tr08x02.eps
US COUNTIES FIPS :
RETROFIT        :
/END/

```

```

-----
This is the packet that defines the equipment population
files read by the model.
-----

```

```

/POP FILES/
POPULATION FILE  : c:\nonroad\data\pop\NC.pop
/END/

```

```

-----
This is the packet that defines the growth files
files read by the model.
-----

```

```

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

```

```

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Contruction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres   : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis. : c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing     : c:\nonroad\data\allocate\NC_house.alo
Logging empl.      : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl.    : c:\nonroad\data\allocate\NC_LSCAP.alo
Coal mining empl.  : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo

```

```

Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo
Snowmobiles       : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res.  : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd   : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd  : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx     :data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust       : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust        : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust       : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust        : c:\nonroad\data\emsfac\exhpm.emf
BSFC              : c:\nonroad\data\emsfac\bsfc.emf
Crankcase         : c:\nonroad\data\emsfac\crank.emf
Spillage          : c:\nonroad\data\emsfac\spillage.emf
Diurnal           : data\emsfac\evdiu.emf
TANK PERM         : data\emsfac\evtank.emf
NON-RM HOSE PERM  : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN  : data\emsfac\evsupret.emf
RM VENT PERM      : data\emsfac\evvent.emf
HOT SOAKS         : data\emsfac\evhotsk.emf
RUNINGLOSS        : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust       : c:\nonroad\data\detfac\exhthc.det
CO exhaust        : c:\nonroad\data\detfac\exhco.det
NOX exhaust       : c:\nonroad\data\detfac\exhnox.det
PM exhaust        : c:\nonroad\data\detfac\exhpm.det
Diurnal           : data\detfac\evdiu.det
TANK PERM         : data\detfac\evtank.det
NON-RM HOSE PERM  : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN  : data\detfac\evsupret.det
RM VENT PERM      : data\detfac\evvent.det
HOT SOAKS         : data\detfac\evhotsk.det
RUNINGLOSS        : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor      : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out   : c:\nonroad\outputs\TR05X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV  :C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000      0.02247

```

T3	0.2000	0.02247
T3B	0.0500	0.02247
T4A	0.0500	0.02247
T4B	0.0015	0.02247
T4	0.0015	0.30
T4N	0.0015	0.30

/END/

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2011
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2011_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (Durham, Granville, Wake)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0030
Diesel sulfur % : 0.0015
CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW

/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

- US TOTAL - emissions are for entire USA without state breakout.
- 50STATE - emissions are for all 50 states and Washington D.C., by state.
- STATE - emissions are for a select group of states and are state-level estimates
- COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.
- SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

- US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- 50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- STATE - state FIPS codes
- COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.
- SUBCOUNTY - county FIPS code and subregion code.

/REGION/

Region Level : COUNTY
DURHAM, NC : 37063
GRANVILLE, NC : 37077
WAKE, NC : 37183
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/

:2260000000
:2265000000
:2267000000
:2268000000
:2270000000
:2282000000

:2285000000
/END/

Diesel Only -
:2270000000
:2282020000
:2285002015

Spark Ignition Only -
:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

This is the packet that lists the names of output files
and some of the input data files read by the model. If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed. You will probably
want to change the names of the Output and Message files
to match that of the OPTion file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.

/RUNFILES/
ALLOC XREF : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY : data\tech\tech-exh.dat
EVP TECHNOLOGY : data\tech\tech-evp.dat
SEASONALITY : c:\nonroad\data\season\rnc_seas.dat
REGIONS : c:\nonroad\data\season\rnc_seas.dat
MESSAGE : c:\nonroad\outputs\tr11x01.msg
OUTPUT DATA : c:\nonroad\outputs\tr11x01.out
EPS2 AMS : c:\nonroad\outputs\tr11x01.eps
US COUNTIES FIPS :
RETROFIT :
/END/

This is the packet that defines the equipment population
files read by the model.

/POP FILES/
POPULATION FILE : c:\nonroad\data\pop\NC.pop
/END/

This is the packet that defines the growth files
files read by the model.

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Contruction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis. : c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing : c:\nonroad\data\allocate\NC_house.alo
Logging empl. : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl. : c:\nonroad\data\allocate\NC_LSCAP.alo
Coal mining empl. : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo
Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo

```

Snowmobiles      : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res. : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd  : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx    : data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust      : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust       : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust      : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust       : c:\nonroad\data\emsfac\exhpm.emf
BSFC             : c:\nonroad\data\emsfac\bsfc.emf
Crankcase        : c:\nonroad\data\emsfac\crank.emf
Spillage         : c:\nonroad\data\emsfac\spillage.emf
Diurnal          : data\emsfac\evdiu.emf
TANK PERM        : data\emsfac\evtank.emf
NON-RM HOSE PERM : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN : data\emsfac\evsupret.emf
RM VENT PERM     : data\emsfac\evvent.emf
HOT SOAKS        : data\emsfac\evhotsk.emf
RUNINGLOSS       : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust      : c:\nonroad\data\detfac\exhthc.det
CO exhaust       : c:\nonroad\data\detfac\exhco.det
NOX exhaust      : c:\nonroad\data\detfac\exhnox.det
PM exhaust       : c:\nonroad\data\detfac\exhpm.det
Diurnal          : data\detfac\evdiu.det
TANK PERM        : data\detfac\evtank.det
NON-RM HOSE PERM : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN : data\detfac\evsupret.det
RM VENT PERM     : data\detfac\evvent.det
HOT SOAKS        : data\detfac\evhotsk.det
RUNINGLOSS       : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor    : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out : c:\nonroad\outputs\TR05X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV : C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000    0.02247
T3      0.2000    0.02247
T3B     0.0500    0.02247

```

T4A	0.0500	0.02247
T4B	0.0015	0.02247
T4	0.0015	0.30
T4N	0.0015	0.30

/END/

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2011
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2011_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (All other Counties)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0030
Diesel sulfur % : 0.0015
CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW

/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

- US TOTAL - emissions are for entire USA without state breakout.
- 50STATE - emissions are for all 50 states and Washington D.C., by state.
- STATE - emissions are for a select group of states and are state-level estimates
- COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.
- SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

- US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- 50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- STATE - state FIPS codes
- COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.
- SUBCOUNTY - county FIPS code and subregion code.

/REGION/

Region Level : COUNTY
CHATHAM, NC : 37037
FRANKLIN, NC : 37069
JOHNSTON, NC : 37101
ORANGE, NC : 37135
PERSON, NC : 37145
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/

:2260000000
:2265000000
:2267000000
:2268000000

```

:2270000000
:2282000000
:2285000000
/END/

```

Diesel Only -

```

:2270000000
:2282020000
:2285002015

```

Spark Ignition Only -

```

:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

```

```

-----
This is the packet that lists the names of output files
and some of the input data files read by the model.  If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed.  You will probably
want to change the names of the Output and Message files
to match that of the OPTion file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----

```

```

/RUNFILES/
ALLOC XREF      : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY        : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY  : data\tech\tech-exh.dat
EVP TECHNOLOGY  : data\tech\tech-evp.dat
SEASONALITY     : c:\nonroad\data\season\rnc_seas.dat
REGIONS         : c:\nonroad\data\season\rnc_seas.dat
MESSAGE         : c:\nonroad\outputs\tr11x02.msg
OUTPUT DATA    : c:\nonroad\outputs\tr11x02.out
EPS2 AMS        : c:\nonroad\outputs\tr11x02.eps
US COUNTIES FIPS :
RETROFIT        :
/END/

```

```

-----
This is the packet that defines the equipment population
files read by the model.
-----

```

```

/POP FILES/
POPULATION FILE : c:\nonroad\data\pop\NC.pop
/END/

```

```

-----
This is the packet that defines the growth files
files read by the model.
-----

```

```

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

```

```

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Contruction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres   : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis. : c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing    : c:\nonroad\data\allocate\NC_house.alo
Logging empl.     : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl.   : c:\nonroad\data\allocate\NC_LSCAP.alo
Coal mining empl. : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo

```

```

Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo
Snowmobiles       : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res.  : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd   : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd  : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx    :data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust       : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust        : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust       : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust        : c:\nonroad\data\emsfac\exhpm.emf
BSFC              : c:\nonroad\data\emsfac\bsfc.emf
Crankcase         : c:\nonroad\data\emsfac\crank.emf
Spillage          : c:\nonroad\data\emsfac\spillage.emf
Diurnal           : data\emsfac\evdiu.emf
TANK PERM         : data\emsfac\evtank.emf
NON-RM HOSE PERM  : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN  : data\emsfac\evsupret.emf
RM VENT PERM      : data\emsfac\evvent.emf
HOT SOAKS         : data\emsfac\evhotsk.emf
RUNINGLOSS        : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust       : c:\nonroad\data\detfac\exhthc.det
CO exhaust        : c:\nonroad\data\detfac\exhco.det
NOX exhaust       : c:\nonroad\data\detfac\exhnox.det
PM exhaust        : c:\nonroad\data\detfac\exhpm.det
Diurnal           : data\detfac\evdiu.det
TANK PERM         : data\detfac\evtank.det
NON-RM HOSE PERM  : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN  : data\detfac\evsupret.det
RM VENT PERM      : data\detfac\evvent.det
HOT SOAKS         : data\detfac\evhotsk.det
RUNINGLOSS        : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor      : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out   : c:\nonroad\outputs\TR05X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV  :C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000      0.02247

```

T3	0.2000	0.02247
T3B	0.0500	0.02247
T4A	0.0500	0.02247
T4B	0.0015	0.02247
T4	0.0015	0.30
T4N	0.0015	0.30

/END/

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2014
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2005_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (Durham, Granville, Wake)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0030
Diesel sulfur % : 0.0015
CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW

/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

- US TOTAL - emissions are for entire USA without state breakout.
- 50STATE - emissions are for all 50 states and Washington D.C., by state.
- STATE - emissions are for a select group of states and are state-level estimates
- COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.
- SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

- US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- 50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- STATE - state FIPS codes
- COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.
- SUBCOUNTY - county FIPS code and subregion code.

/REGION/

Region Level : COUNTY
DURHAM, NC : 37063
GRANVILLE, NC : 37077
WAKE, NC : 37183
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/

:2260000000
:2265000000
:2267000000
:2268000000
:2270000000
:2282000000

:2285000000
/END/

Diesel Only -
:2270000000
:2282020000
:2285002015

Spark Ignition Only -
:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

This is the packet that lists the names of output files
and some of the input data files read by the model. If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed. You will probably
want to change the names of the Output and Message files
to match that of the OPTion file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.

/RUNFILES/
ALLOC XREF : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY : data\tech\tech-exh.dat
EVP TECHNOLOGY : data\tech\tech-evp.dat
SEASONALITY : c:\nonroad\data\season\rnc_seas.dat
REGIONS : c:\nonroad\data\season\rnc_seas.dat
MESSAGE : c:\nonroad\outputs\tr14x01.msg
OUTPUT DATA : c:\nonroad\outputs\tr14x01.out
EPS2 AMS : c:\nonroad\outputs\tr14x01.eps
US COUNTIES FIPS :
RETROFIT :
/END/

This is the packet that defines the equipment population
files read by the model.

/POP FILES/
POPULATION FILE : c:\nonroad\data\pop\NC.pop
/END/

This is the packet that defines the growth files
files read by the model.

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Contruction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis. : c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing : c:\nonroad\data\allocate\NC_house.alo
Logging empl. : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl. : c:\nonroad\data\allocate\NC_LSCAP.alo
Coal mining empl. : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo
Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo

```

Snowmobiles      : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res. : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd  : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx    :data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust      : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust       : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust      : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust       : c:\nonroad\data\emsfac\exhpm.emf
BSFC             : c:\nonroad\data\emsfac\bsfc.emf
Crankcase        : c:\nonroad\data\emsfac\crank.emf
Spillage         : c:\nonroad\data\emsfac\spillage.emf
Diurnal          : data\emsfac\evdiu.emf
TANK PERM        : data\emsfac\evtank.emf
NON-RM HOSE PERM : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN : data\emsfac\evsupret.emf
RM VENT PERM     : data\emsfac\evvent.emf
HOT SOAKS        : data\emsfac\evhotsk.emf
RUNINGLOSS       : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust      : c:\nonroad\data\detfac\exhthc.det
CO exhaust       : c:\nonroad\data\detfac\exhco.det
NOX exhaust      : c:\nonroad\data\detfac\exhnox.det
PM exhaust       : c:\nonroad\data\detfac\exhpm.det
Diurnal          : data\detfac\evdiu.det
TANK PERM        : data\detfac\evtank.det
NON-RM HOSE PERM : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN : data\detfac\evsupret.det
RM VENT PERM     : data\detfac\evvent.det
HOT SOAKS        : data\detfac\evhotsk.det
RUNINGLOSS       : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor    : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out : c:\nonroad\outputs\TR05X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV :C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000    0.02247
T3      0.2000    0.02247
T3B     0.0500    0.02247

```

T4A	0.0500	0.02247
T4B	0.0015	0.02247
T4	0.0015	0.30
T4N	0.0015	0.30

/END/

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2014
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2014_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (All other Counties)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0030
Diesel sulfur % : 0.0015
CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW

/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

- US TOTAL - emissions are for entire USA without state breakout.
- 50STATE - emissions are for all 50 states and Washington D.C., by state.
- STATE - emissions are for a select group of states and are state-level estimates
- COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.
- SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

- US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- 50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- STATE - state FIPS codes
- COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.
- SUBCOUNTY - county FIPS code and subregion code.

/REGION/

Region Level : COUNTY
CHATHAM, NC : 37037
FRANKLIN, NC : 37069
JOHNSTON, NC : 37101
ORANGE, NC : 37135
PERSON, NC : 37145
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/

:2260000000
:2265000000
:2267000000
:2268000000

```

:2270000000
:2282000000
:2285000000
/END/

```

Diesel Only -

```

:2270000000
:2282020000
:2285002015

```

Spark Ignition Only -

```

:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

```

```

-----
This is the packet that lists the names of output files
and some of the input data files read by the model.  If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed.  You will probably
want to change the names of the Output and Message files
to match that of the OPTion file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----

```

```

/RUNFILES/
ALLOC XREF      : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY       : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY : data\tech\tech-exh.dat
EVP TECHNOLOGY : data\tech\tech-evp.dat
SEASONALITY    : c:\nonroad\data\season\rnc_seas.dat
REGIONS        : c:\nonroad\data\season\rnc_seas.dat
MESSAGE        : c:\nonroad\outputs\tr14x02.msg
OUTPUT DATA   : c:\nonroad\outputs\tr14x02.out
EPS2 AMS       : c:\nonroad\outputs\tr14x02.eps
US COUNTIES FIPS :
RETROFIT       :
/END/

```

```

-----
This is the packet that defines the equipment population
files read by the model.
-----

```

```

/POP FILES/
POPULATION FILE : c:\nonroad\data\pop\NC.pop
/END/

```

```

-----
This is the packet that defines the growth files
files read by the model.
-----

```

```

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

```

```

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Contruction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres   : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis. : c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing    : c:\nonroad\data\allocate\NC_house.alo
Logging empl.     : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl.   : c:\nonroad\data\allocate\NC_LSCAP.alo
Coal mining empl. : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo

```



```

Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo
Snowmobiles       : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res.  : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd   : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd  : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx     :data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust       : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust        : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust       : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust        : c:\nonroad\data\emsfac\exhpm.emf
BSFC              : c:\nonroad\data\emsfac\bsfc.emf
Crankcase         : c:\nonroad\data\emsfac\crank.emf
Spillage          : c:\nonroad\data\emsfac\spillage.emf
Diurnal           : data\emsfac\evdiu.emf
TANK PERM         : data\emsfac\evtank.emf
NON-RM HOSE PERM  : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN  : data\emsfac\evsupret.emf
RM VENT PERM      : data\emsfac\evvent.emf
HOT SOAKS         : data\emsfac\evhotsk.emf
RUNINGLOSS        : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust       : c:\nonroad\data\detfac\exhthc.det
CO exhaust        : c:\nonroad\data\detfac\exhco.det
NOX exhaust       : c:\nonroad\data\detfac\exhnox.det
PM exhaust        : c:\nonroad\data\detfac\exhpm.det
Diurnal           : data\detfac\evdiu.det
TANK PERM         : data\detfac\evtank.det
NON-RM HOSE PERM  : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN  : data\detfac\evsupret.det
RM VENT PERM      : data\detfac\evvent.det
HOT SOAKS         : data\detfac\evhotsk.det
RUNINGLOSS        : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor      : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out   : c:\nonroad\outputs\TR05X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV  :C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000      0.02247

```

T3	0.2000	0.02247
T3B	0.0500	0.02247
T4A	0.0500	0.02247
T4B	0.0015	0.02247
T4	0.0015	0.30
T4N	0.0015	0.30

/END/

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2017
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2005_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (Durham, Granville, Wake)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0030
Diesel sulfur % : 0.0015
CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW

/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

- US TOTAL - emissions are for entire USA without state breakout.
- 50STATE - emissions are for all 50 states and Washington D.C., by state.
- STATE - emissions are for a select group of states and are state-level estimates
- COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.
- SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

- US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- 50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- STATE - state FIPS codes
- COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.
- SUBCOUNTY - county FIPS code and subregion code.

/REGION/

Region Level : COUNTY
DURHAM, NC : 37063
GRANVILLE, NC : 37077
WAKE, NC : 37183
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/

:2260000000
:2265000000
:2267000000
:2268000000
:2270000000
:2282000000

:2285000000
/END/

Diesel Only -
:2270000000
:2282020000
:2285002015

Spark Ignition Only -
:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

This is the packet that lists the names of output files
and some of the input data files read by the model. If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed. You will probably
want to change the names of the Output and Message files
to match that of the OPTion file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.

/RUNFILES/
ALLOC XREF : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY : data\tech\tech-exh.dat
EVP TECHNOLOGY : data\tech\tech-evp.dat
SEASONALITY : c:\nonroad\data\season\rnc_seas.dat
REGIONS : c:\nonroad\data\season\rnc_seas.dat
MESSAGE : c:\nonroad\outputs\tr17x01.msg
OUTPUT DATA : c:\nonroad\outputs\tr17x01.out
EPS2 AMS : c:\nonroad\outputs\tr17x01.eps
US COUNTIES FIPS :
RETROFIT :
/END/

This is the packet that defines the equipment population
files read by the model.

/POP FILES/
POPULATION FILE : c:\nonroad\data\pop\NC.pop
/END/

This is the packet that defines the growth files
files read by the model.

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Contruction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis. : c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing : c:\nonroad\data\allocate\NC_house.alo
Logging empl. : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl. : c:\nonroad\data\allocate\NC_LSCAP.alo
Coal mining empl. : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo
Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo

```

Snowmobiles      : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res. : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd  : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx    :data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust      : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust       : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust      : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust       : c:\nonroad\data\emsfac\exhpm.emf
BSFC             : c:\nonroad\data\emsfac\bsfc.emf
Crankcase        : c:\nonroad\data\emsfac\crank.emf
Spillage         : c:\nonroad\data\emsfac\spillage.emf
Diurnal          : data\emsfac\evdiu.emf
TANK PERM        : data\emsfac\evtank.emf
NON-RM HOSE PERM : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN : data\emsfac\evsupret.emf
RM VENT PERM     : data\emsfac\evvent.emf
HOT SOAKS        : data\emsfac\evhotsk.emf
RUNINGLOSS       : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust      : c:\nonroad\data\detfac\exhthc.det
CO exhaust       : c:\nonroad\data\detfac\exhco.det
NOX exhaust      : c:\nonroad\data\detfac\exhnox.det
PM exhaust       : c:\nonroad\data\detfac\exhpm.det
Diurnal          : data\detfac\evdiu.det
TANK PERM        : data\detfac\evtank.det
NON-RM HOSE PERM : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN : data\detfac\evsupret.det
RM VENT PERM     : data\detfac\evvent.det
HOT SOAKS        : data\detfac\evhotsk.det
RUNINGLOSS       : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor    : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out : c:\nonroad\outputs\TR05X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV :C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000    0.02247
T3      0.2000    0.02247
T3B     0.0500    0.02247

```

T4A	0.0500	0.02247
T4B	0.0015	0.02247
T4	0.0015	0.30
T4N	0.0015	0.30

/END/

Written by Nonroad interface at 2/13/2006 12:42:31 PM
Created by NCDENR DAQ on 03/20/2006 at 12:03 PM
This is the options file for the NONROAD program.
The data is sperated into "packets" bases on common
information. Each packet is specified by an
identifier and a terminator. Any notes or descriptions
can be placed between the data packets.

PERIOD PACKET

This is the packet that defines the period for
which emissions are to be estimated. The order of the
records matter. The selection of certain parameters
will cause some of the record that follow to be ignored.
The order of the records is as follows:

- 1 - Char 10 - Period type for this simulation.
Valid responses are: ANNUAL, SEASONAL, and MONTHLY
- 2 - Char 10 - Type of inventory produced.
Valid responses are: TYPICAL DAY and PERIOD TOTAL
- 3 - Integer - year of episode (4 digit year)
- 4 - Char 10 - Month of episode (use complete name of month)
- 5 - Char 10 - Type of day
Valid responses are: WEEKDAY and WEEKEND

/PERIOD/
Period type : Seasonal
Summation type : Period total
Year of episode : 2017
Season of year : Summer
Month of year :
Weekday or weekend : Weekday
/END/

OPTIONS PACKET

This is the packet that defines some of the user
options that drive the model. Most parameters are
used to make episode specific emission factor
adjustments. The order of the records is fixed.
The order is as follows.

- 1 - Char 80 - First title on reports
- 2 - Char 80 - Second title on reports
- 3 - Real 10 - Fuel RVP of gasoline for this simulation
- 4 - Real 10 - Oxygen weight percent of gasoline for simulation
- 5 - Real 10 - Percent sulfur for gasoline
- 6 - Real 10 - Percent sulfur for diesel
- 7 - Real 10 - Percent sulfur for LPG/CNG
- 8 - Real 10 - Minimum daily temperature (deg. F)
- 9 - Real 10 - maximum daily temperature (deg. F)
- 10 - Real 10 - Representative average daily temperature (deg. F)
- 11 - Char 10 - Flag to determine if region is high altitude
Valid responses are: HIGH and LOW
- 12 - Char 10 - Flag to determine if RFG adjustments are made
Valid responses are: YES and NO

/OPTIONS/
Title 1 : Triangle Area Redesignation_2017_ver.NR2005a
Title 2 : NC County Temp 77; Summer; (All other Counties)
Fuel RVP for gas : 7.8
Oxygen Weight % : 0.0
Gas sulfur % : 0.0030
Diesel sulfur % : 0.0015
CNG/LPG sulfur % : 0.003
Minimum temper (F) : 72.60
Maximum temper (F) : 89.10
Average temper (F) : 80
Altitude of region : LOW

/END/

REGION PACKET

This is the packet that defines the region for which emissions are to be estimated.

The first record tells the type of region and allocation to perform.

Valid responses are:

- US TOTAL - emissions are for entire USA without state breakout.
- 50STATE - emissions are for all 50 states and Washington D.C., by state.
- STATE - emissions are for a select group of states and are state-level estimates
- COUNTY - emissions are for a select group of counties and are county level estimates. If necessary, allocation from state to county will be performed.
- SUBCOUNTY - emissions are for the specified sub counties and are subcounty level estimates. If necessary, county to subcounty allocation will be performed.

The remaining records define the regions to be included. The type of data which must be specified depends on the region level.

- US TOTAL - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- 50STATE - Nothing needs to be specified. The FIPS code 00000 is used automatically.
- STATE - state FIPS codes
- COUNTY - state or county FIPS codes. State FIPS code means include all counties in the state.
- SUBCOUNTY - county FIPS code and subregion code.

/REGION/

Region Level : COUNTY
CHATHAM, NC : 37037
FRANKLIN, NC : 37069
JOHNSTON, NC : 37101
ORANGE, NC : 37135
PERSON, NC : 37145
/END/

SOURCE CATEGORY PACKET

This packet is used to tell the model which source categories are to be processed. It is optional. If used, only those source categories list will appear in the output data file. If the packet is not found, the model will process all source categories in the population files.

/SOURCE CATEGORY/

:2260000000
:2265000000
:2267000000
:2268000000

```

:2270000000
:2282000000
:2285000000
/END/

```

Diesel Only -

```

:2270000000
:2282020000
:2285002015

```

Spark Ignition Only -

```

:2260000000
:2265000000
:2267000000
:2268000000
:2282005010
:2282005015
:2282010005
:2285004015
:2285006015

```

```

-----
This is the packet that lists the names of output files
and some of the input data files read by the model.  If
a drive:\path\ is not given, the location of the
NONROAD.EXE file itself is assumed.  You will probably
want to change the names of the Output and Message files
to match that of the OPTion file, e.g., MICH-97.OPT,
MICH-97.OUT, MICH-97.MSG, and if used MICH-97.AMS.
-----

```

```

/RUNFILES/
ALLOC XREF      : c:\nonroad\data\allocate\allocate.xrf
ACTIVITY        : c:\nonroad\data\activity\activity.dat
EXH TECHNOLOGY  : data\tech\tech-exh.dat
EVP TECHNOLOGY  : data\tech\tech-evp.dat
SEASONALITY     : c:\nonroad\data\season\rnc_seas.dat
REGIONS         : c:\nonroad\data\season\rnc_seas.dat
MESSAGE         : c:\nonroad\outputs\tr17x02.msg
OUTPUT DATA    : c:\nonroad\outputs\tr17x02.out
EPS2 AMS        : c:\nonroad\outputs\tr17x02.eps
US COUNTIES FIPS :
RETROFIT        :
/END/

```

```

-----
This is the packet that defines the equipment population
files read by the model.
-----

```

```

/POP FILES/
POPULATION FILE  : c:\nonroad\data\pop\NC.pop
/END/

```

```

-----
This is the packet that defines the growth files
files read by the model.
-----

```

```

/GROWTH FILES/
National defaults : c:\nonroad\data\growth\nation.grw
/END/

```

```

/ALLOC FILES/
Air Transportation : c:\nonroad\data\allocate\NC_AIRTR.alo
Contruction empl. : c:\nonroad\data\allocate\NC_const.alo
Harvested acres   : c:\nonroad\data\allocate\NC_farms.alo
Golf course estab. : c:\nonroad\data\allocate\NC_golf.alo
Wholesale establis. : c:\nonroad\data\allocate\NC_HOLSL.alo
Family housing    : c:\nonroad\data\allocate\NC_house.alo
Logging empl.     : c:\nonroad\data\allocate\NC_loggn.alo
Landscape empl.   : c:\nonroad\data\allocate\NC_LSCAP.alo
Coal mining empl. : c:\nonroad\data\allocate\NC_coal.alo
Manufacturing empl.: c:\nonroad\data\allocate\NC_mnfg.alo
Oil & Gas employees: c:\nonroad\data\allocate\NC_oil.alo

```

```

Census population : c:\nonroad\data\allocate\NC_pop.alo
RV Park establish. : c:\nonroad\data\allocate\NC_rvprk.alo
Snowmobiles       : c:\nonroad\data\allocate\NC_snowm.alo
Snowblowers res.  : c:\nonroad\data\allocate\NC_sbr.alo
Snowblowers comm. : c:\nonroad\data\allocate\NC_sbc.alo
Rec marine inbrd  : c:\nonroad\data\allocate\NC_wib.alo
Rec marine outbrd : c:\nonroad\data\allocate\NC_wob.alo
Locomotive NOx    :data\allocate\NC_rail.alo
/END/

```

```

-----
This is the packet that defines the emssions factors
files read by the model.
-----

```

```

/EMFAC FILES/
THC exhaust      : c:\nonroad\data\emsfac\exhthc.emf
CO exhaust       : c:\nonroad\data\emsfac\exhco.emf
NOX exhaust      : c:\nonroad\data\emsfac\exhnox.emf
PM exhaust       : c:\nonroad\data\emsfac\exhpm.emf
BSFC             : c:\nonroad\data\emsfac\bsfc.emf
Crankcase        : c:\nonroad\data\emsfac\crank.emf
Spillage         : c:\nonroad\data\emsfac\spillage.emf
Diurnal          : data\emsfac\evdiu.emf
TANK PERM        : data\emsfac\evtank.emf
NON-RM HOSE PERM : data\emsfac\evhose.emf
RM FILL NECK PERM : data\emsfac\evneck.emf
RM SUPPLY/RETURN : data\emsfac\evsupret.emf
RM VENT PERM     : data\emsfac\evvent.emf
HOT SOAKS        : data\emsfac\evhotsk.emf
RUNINGLOSS       : data\emsfac\evrunls.emf
/END/

```

```

-----
This is the packet that defines the deterioration factors
files read by the model.
-----

```

```

/DETERIORATE FILES/
THC exhaust      : c:\nonroad\data\detfac\exhthc.det
CO exhaust       : c:\nonroad\data\detfac\exhco.det
NOX exhaust      : c:\nonroad\data\detfac\exhnox.det
PM exhaust       : c:\nonroad\data\detfac\exhpm.det
Diurnal          : data\detfac\evdiu.det
TANK PERM        : data\detfac\evtank.det
NON-RM HOSE PERM : data\detfac\evhose.det
RM FILL NECK PERM : data\detfac\evneck.det
RM SUPPLY/RETURN : data\detfac\evsupret.det
RM VENT PERM     : data\detfac\evvent.det
HOT SOAKS        : data\detfac\evhotsk.det
RUNINGLOSS       : data\detfac\evrunls.det
/END/

```

Optional Packets - Add initial slash "/" to activate

```

/STAGE II/
Control Factor    : 0.0
/END/
Enter percent control: 95 = 95% control = 0.05 x uncontrolled
Default should be zero control.

```

```

MODELYEAR OUT/
by-model-year out : c:\nonroad\outputs\TR05X01.bmy
/END/

```

```

SI REPORT/
SI report file-CSV :C:\NONROAD\OUTPUTS\NRPOLLUT.CSV
/END/

```

```

PM Base Sulfur
cols 1-10: dsl tech type;
11-20: base sulfur wt%; or '1.0' means no-adjust (cert= in-use)
21-30: sulfate conversion rate
/PM BASE SULFUR/
T2      0.2000      0.02247

```

T3	0.2000	0.02247
T3B	0.0500	0.02247
T4A	0.0500	0.02247
T4B	0.0015	0.02247
T4	0.0015	0.30
T4N	0.0015	0.30

/END/