

TR vs DE Summary Tables

Summary Tables - Delaware Division of Air Quality "PEI" emissions vs. EPA TR emissions

Table 1 2005 Emissions

2005 SO2	EGU	NonEGU	Nonpoint	Nonroad	Onroad	Total
Transport Rule	32,378	34,859	5,859	11,648	422	85,166
DE PEI Emissions	31,745	34,686	1,034	2,755	422	70,642
DE Emission Difference (tpy)	-633	-173	-4,825	-8,893	0	-14,524
% Difference	2%	0%	82%	76%	0%	17%

2005 NOX	EGU	NonEGU	Nonpoint	Nonroad	Onroad	Total
Transport Rule	11,917	5,567	3,259	15,567	22,569	58,879
DE PEI Emissions	11,397	5,999	2,317	11,728	22,569	54,010
DE Emission Difference	-520	432	-942	-3,839	0	-4,869
% Difference	4%	-8%	29%	25%	0%	8%

Table 2 2012 Emissions

2012 SO2	EGU	NonEGU	Nonpoint	Nonroad	Onroad	Total
Transport Rule	7,841	10,974	5,858	14,193	98	38,964
DE Projections	7,356	5,941	1,034	2,201	98	16,630
DE Emission Difference	-485	-5,033	-4,824	-11,992	0	-22,334
% Difference	6%	46%	82%	84%	0%	57%

2012 NOX	EGU	NonEGU	Nonpoint	Nonroad	Onroad	Total
Transport Rule	4,639	5,567	3,248	15,511	10,700	39,665
DE Projections	2,418	4,504	2,315	10,370	10,700	30,307
DE Emission Difference	-2,221	-1,063	-933	-5,141	0	-9,358
% Difference	48%	19%	29%	33%	0%	24%

NOTES

1. Assume DE onroad emissions are the same as EPA's for 2005 and 2012. EPA used MOVES, which DAQ does not have the expertise to run in time
2. Assume no growth for DE non-EGU emissions per EPA methods (see TSD)
3. DE nonroad model (nonroad equipment) emissions taken from 2012 DE Reg Haze analysis. Marine, aircraft and locomotives were projected by DE DAQ
4. Assume DE onroad emissions are the same as EPA's for 2005 and 2012. EPA used MOVES. DAQ does not have the time by comment due date to run MOVES

"Fires" were not included this analysis - the emissions were insignificant

2005 "Transport Rule" emissions from Tables IV. C-1 and IV. C-2 of the proposed Rule. EPA-HQ-OAR-2009-0491

2012 "Transport Rule" emissions from Tables IV. C-3 and IV. C-4 of the proposed Rule. EPA-HQ-OAR-2009-0491

DE_05_PEI_Orig_Data

DELAWARE 2005 PEI STATEWIDE ANNUAL - original data

2005 Emissions tons/year	NOx	SO2	Source Classification Codes (SCCs)														
POINT SOURCES	17,396	66,431	final														
NON-POINT SOURCES																	
Agricultural Pesticides			final	2461850001	2461850005	2461850006	2461850009	2461850051	2461850055	2461850056	2461850059						
AIM Coatings			final	2401002000	2401003000	2401102000 ^b	2401103000 ^a	Proposed SCCs to separate out industrial maintenance coatings into solvent-based and water-based									
Asphalt Paving			final	2461021000	2461022000												
Autobody Refinishing			final	2401005500	2401005600	2401005700	2401005800										
Commercial/Consumer Solvents			final	2460100000	2460200000	2460400000	2460500000	2460600000	2460800000	2460900000							
Degreasing			final	2415100000	2415130000	2415300000	2415360000										
Dry Cleaners			final	2420010370													
Graphic Arts			final	2425010000	2425020000	2425030000	2425040000										
Industrial Adhesives			final	2440020000	Will drop this category from the 2005 inventory based on EPA guidance												
Industrial Surface Coatings			final	2401015000	2401020000	2401025000	2401030000	2401040000	2401045000	2401055000	2401060000	2401065000	2401070000	2401075000	2401080000	2401085000	2401090000
Traffic Markings			final	2401008000													
Land Clearing Debris Burning	29	0	final	2610000500													
Prescribed Fires	11	3	final	2810015000													
Residential Burning	8	2	final	2610000100	2610000400	2610030000											
Structure Fires	2	0	final	2810030000	2810035000												
Vehicle Fires	1	0	final	2810050000													
Wildfires	3	1	final	2810001000													
Gas Marketing - Airports			final	2501080050	2501080100	2501080201 ^a	Proposed SCCs to separate out industrial maintenance coatings into solvent-based and water-based										
CMV Evaporation Losses			final	2505020030	2505020060	2505020090	2505020120	2505020150									
Gas Marketing - Marinas			final	2501090051 ^a	2501090102 ^b	2501090103 ^b	2501090201 ^a	Proposed SCCs to distinguish marinas from other gas marketing categories									
Portable Fuel Containers			final	2501011011	2501011012	2501011013	2501011014	2501011015	2501012011	2501012012	2501012013	2501012014	2501012015				
Gas Marketing - Stage I			final	2501060051	2501060053												
Gas Marketing - Stage II			final	2501060100													
Gas Marketing - Tank Breathing			final	2501060201													
Gas Marketing - Trucks in Transit			final	2505030120													
Commercial Fuel Combustion	399	57	final	2103002000	2103004000	2103005000	2103006000	2103007000									
Industrial Fuel Combustion	639	26	final	2102002000	2102004000	2102005000	2102006000	2102007000									
Residential Fuel Combustion	1,141	931	final	2104002000	2104004000	2104006000	2104007000	2104011000									
Residential Wood Combustion	83	14	final	2104008000	2104008070												
Commercial Construction			final	2311020000													
Residential Construction			final	2311010000													
Road Construction			final	2311030000													
Bakeries			final	2302050000													
Catastrophic Releases	< 1		final	2830000000													
Commercial Cooking	0		final	2302002100	2302002200	2302003000	2302003100	2302003200									
Inactive Landfills			final	2620030000													
LUST Site Remediations			final	2660000000													
Misc. Ammonia Sources			final	2810003000	2810010000	2870000002	2870000011	2870000015	2806010000	2806015000	2807030000	2807040000					
Wastewater Treatment Plants			final	2630020000													
Paved Road Dust			final	2294000000	Delaware does not have any unpaved public roads, so SCC 2296000000 should be considered zero.												
Sand & Gravel Operations			not done fit	2325030000	Delaware is dropping this category from the inventory based on concerns of accuracy and representativeness of the data.												
Animal Husbandry			final	48 individual SCCs from 2805001100 to 2805053100. SCCs 2805024100, 2805024200, 2805024300, 2805026100, 2805026200, 2805026300, 2805027100, 2805027200, 2805027300, 2805028100, 2805028200, 2805028300 not found in current EPA master SCC list.													
Agricultural Fertilizers			final	2801700020 ^b	2801700021 ^a	2801700022 ^a	2801700023 ^a	2801700024 ^a	2801700025 ^a	2801700026 ^a							
Crop Production			final	2801001011 ^a	2801001005 ^b	2801001009 ^b	2801001013 ^b	2801001017 ^b	2801001021 ^a	2801002001 ^a	2801002002 ^b	2801002003 ^b	2801002004 ^b	2801002005 ^b	28010020061 ^a	Proposed SCCs to distinguish fugitive dust associated with planting and harvesting by crop type	
Non-point Total	2,316	1,034															

DELAWARE 2005 PEI STATEWIDE ANNUAL - original data

2005 Emissions tons/year	NOx	SO2	Source Classification Codes (SCCs)						
NON-ROAD SOURCES									
NONROAD Equipment	5,185	511 final	2260xxxxx	2265xxxxx	2267xxxxx	2268xxxxx	2270xxxxx	2282xxxxx	2285xxx015
Aircraft	883	64	2275001000	2275020000	2275050000	2275060000			
Commercial Marine Vessels - Diesel	2,104	230 final	2280002100	2280002200					
Commercial Marine Vessels - Residual	2,562	1,886 final	2280003100	2280003200					
Locomotives	994	64 final	2285002006	2285002007	2285002010				
Non-road Total	11,728	2,755							
ON-ROAD MOBILE SOURCES									
Light-duty Gas Vehicles	4,285	85 final	2201001xxx						
Light-duty Gas Trucks	5,008	119 final	2201020xxx	2201040xxx					
Heavy-duty Gas Trucks	1,641	17 final	2201070xxx						
Motorcycles	103	1 final	2201080xxx						
Light-duty Diesel Vehicles	12	1 final	2230001xxx						
Light-duty Diesel Trucks	27	2 final	2230060xxx						
Heavy-duty Diesel Trucks	2,826	61 final	223007xxxx						
On-road Mobile Total	13,903	285							
NATURAL SOURCES									
Windblown Dust		final	2730100000						
Lightning	151	final	2740001000						
Biogenic Emissions	664	EPA NEI da	2701000000						
Natural Sources Total	815	0							
STATE TOTAL ANTHROPOGENIC SO	45,343	70,505							
2002 ANTHROPOGENIC TOTAL	57,122	79,852							
STATE TOTAL ALL SOURCES	46,158	70,505							

Delaware Division of Air Quality 2012 Projections Summary

Source Category	NOX			SO2		
	2005 PEI TPY	Growth and/or Control Factor	2012 TPY	2005 PEI TPY	Growth and/or Control Factor	2012 TPY
POINT						
EGUs	11,397	see EGU worksheet See non- EGU	2,418	31,745	see EGU worksheet See non- EGU	7,356
nonEGUs	5,999	worksheet	4,504	34,686	worksheet	5,941
Point Total	17,396		6,922	66,431		13,298
NON-POINT SOURCES						
Land Clearing Debris Burning	29	1.000	29	0	1.0000	0
Prescribed Fires	11	1.000	11	3	1.0000	3
Residential Burning	8	1.000	8	2	1.0000	2
Structure Fires	2	1.000	2	0	1.0000	0
Wildfires	3	1.000	3	1	1.0000	1
Commercial Fuel Combustion	399	1.000	399	57	1.0000	57
Industrial Fuel Combustion	639	1.000	639	26	1.0000	26
Residential Fuel Combustion	1,141	1.000	1,141	931	1.0000	931
Residential Wood Combustion	83	1.000	83	14	1.0000	14
Non-point Total	2,315		2,315	1,034		1,034
NON-ROAD SOURCES						
NONROAD (NMIMS) (1)	5,185	na	4,108	511	na	12
Aircraft	883	1.000	883	64	1.0000	64
Commercial Marine Vessels - Diesel	2,104	0.856	1,800	230	0.515 See C-3 Marine worksheet	118
Commercial Marine Vessels - Residual	2,562	1.009	2,585	1,886		1,942
Locomotives	994	1.000	994	64	1.0000	64
Non-road Total	11,728		10,370	2,755		2201
ON-ROAD MOBILE SOURCES (2)	NA		NA	NA	NA	NA
Light-duty Gas Vehicles	NA		NA	NA	NA	NA
Light-duty Gas Trucks	NA		NA	NA	NA	NA
Heavy-duty Gas Trucks	NA		NA	NA	NA	NA
Motorcycles	NA		NA	NA	NA	NA
Light-duty Diesel Vehicles	NA		NA	NA	NA	NA
Light-duty Diesel Trucks	NA		NA	NA	NA	NA
Heavy-duty Diesel Trucks	NA		NA	NA	NA	NA
On-road Mobile Total	22,569	na	10,700	422	na	98
Total all sources	54,008		30,307	70,642		16,630

Notes

1. Nonroad - NMIMS 2012 emissions developed as part of Regional Haze Consultations
2. Onroad emissions assumed to be same as EPA
3. EGU calculations explained in the Attachment 1 - TSD

Delaware EGU calculations

FACILITY	ORIS CODE	UNIT	2009 Operating Hours	2009 No. Months Reported	2009 Generation (MWh)	2009 Heat Input (MMBTU)	Calculated 2009 Heat Rate (BTU/kWh)	2009 Reported Heat Input Capacity (MMBTU/hr)	2009 Heat Input Capacity Factor	Gen Nameplate	2009 Gen Nameplate Cap Fact (%)	2009 Generation % of PJM-DPL Energy Projection	O.S. 2009 SO2 Emission Rate (lb/MWh)	O.S. 2009 NOx Emission Rate (lb/MWh)	2012 Projected Generation	2012 Projected SO2 Rate (lb/MWh)	2012 Projected NOx Rate (lb/MWh)	2012 Projected SO2 Mass (tons)	2012 Projected NOx Mass (tons)
Christiana Substation	591	11	16.5	12	206	3492.6	16954	391	0.101968959	28	0.083985649	0.001096795	8.395	3.356	215	8.395	3.356	0.9	0.4
Christiana Substation	591	14	28.5	12	332.5	5401.1	16244	391	0.157688984	28	0.135559361	0.001770312	8.125	3.575	348	8.125	3.575	1.4	0.6
Edge Moor	593	3	6540.5	12	272521.5	3095937.35	11360	1117	31.63988413	75	41.47968037	1.450971675	3.631	1.521	284409	4.335	1.4206	616.4	202.0
Edge Moor	593	4	3307	12	329659	3174808.35	9631	1867	19.41194668	177	21.26118979	1.755185816	5.949	1.173	46516	4.335	1.2034	100.8	28.0
Edge Moor	593	5	270.75	12	53584.5	594682.075	11098	4695	1.445922931	446	1.371513914	0.285297093	4.335	1.496	55922	4.335	1.387	121.2	38.8
Hay Road	7153	**3	1531.45	12	144971.08	1723617.64	11889	1751	11.23700769	122	13.56492627	0.771861783	0.007	0.617	201215	0.007	0.617	0.7	62.0
Hay Road	7153	1	1623.77	12	148474.12	1827102.431	12306	1751	11.91166972	122	13.89270529	0.790512831	0.008	0.751	204870	0.008	0.751	0.8	76.9
Hay Road	7153	2	1601.23	12	150016.53	1822666.7	12150	1751	11.88275128	122	14.03702841	0.798725003	0.007	0.75	206480	0.007	0.75	0.8	77.4
Hay Road	7153	5	1706.53	12	161717.26	1888399.177	11677	1751	12.31128968	144	12.82005169	0.861022575	0.007	0.369	218691	0.007	0.369	0.8	40.3
Hay Road	7153	6	1618.34	12	155368.38	1808657.711	11641	1751	11.79142063	144	12.31674753	0.827219572	0.007	0.443	212065	0.007	0.443	0.8	47.0
Hay Road	7153	7	1637.67	12	156437.97	1805958.372	11544	1751	11.77382247	144	12.40153872	0.832914333	0.007	0.32	213182	0.007	0.32	0.8	34.1
Indian River	594	1	2230.5	12	115398.25	1255119.875	10876	1090	13.14481877	82	16.06501977	0.614408742	16.807	2.805	0	0	0	0.0	0.0
Indian River	594	2	2507.25	12	131691.75	1361116.425	10336	1186	13.10106133	82	18.33329853	0.701159355	15.141	2.526	0	0	0	0.0	0.0
Indian River	594	3	5508.5	12	564530	5326660.925	9436	1904	31.93625607	177	36.40907566	3.005696944	15.459	2.749	627048	15.4594	2.7494	4,846.9	862.0
Indian River	594	4	6415	12	1764372.25	14913659.8	8453	5091	33.44082852	442	45.56840663	9.393952987	9.387	2.511	1964059	1.6906	0.8453	1,660.2	830.1
McKee Run	599	3	153.07	12	8040.45	86269.218	10729	1180	0.834583411	114	0.80513999	0.042809339	0.067	2.292	89367	0.067	2.292	3.0	102.4
NRG Energy Center Dover	10030	2	364.36	12	15473.36	154604.933	9992	500	3.529792991	50	3.532730594	0.082383985	0.015	0.775	24282	0.015	0.775	0.2	9.4
NRG Energy Center Dover	10030	3	91.1	12	3743.58	35211.872	9406	500	0.803924018	50	0.85469863	0.019931743	0.02	0.751	12041	0.02	0.751	0.1	4.5
Van Sant	7318	**11	24.15	12	591.52	8470.366	14320	546.7	0.176867891	45	0.150055809	0.003149398	0.558	2.201	618	0.558	2.201	0.2	0.7
Warren F. Sam Beasley Pwr Station	7962	1	301.13	12	13362.93	134304.333	10051	500	3.066308973	51	2.991075745	0.071147535	0.057	0.178	13946	0.057	0.178	0.4	1.2

7,356.3 2,418.1

Delaware non-EGU worksheet

PLANT_ID	Facility Name	SCC	POINT	Emissions Unit	SEGMENT	Process Description	Nox_05	SO2_05	NOX_12_GF	NOX_12_CF	NOX_12_GC	SO2_12_GF	SO2_12_CF	SO2_12_GC	Comments
00131	ALFRED I DUPONT HOSPITAL FOR CHILDREN	10300401	001	BOILER #1	1	#6 OIL	33.52	96.65	1.00	NA	4.00	1.00	0.00	0.00	Fuel Switch to Nat Gas w/ # 2 Oil backup (NOX cap = 4 TPY)
00131	ALFRED I DUPONT HOSPITAL FOR CHILDREN	20300101	010	1 750 KW DIESEL GENERATOR	1	DIESEL	0.97	0.06	1.00	1.00	0.97	1.00	1.00	0.06	
00013	ALLEN FAMILY FOODS INC	10200401	001	BOILER #2	1	GRADE 6 OIL	11.64	62.84	1.00	1.00	11.64	1.00	1.00	62.84	
00013	ALLEN FAMILY FOODS INC	20100107	004	DIESEL ENGINE	1	DIESEL FUEL	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00016	ALLEN'S HATCHERY INC ALLEN'S MILLING	10200401	001	BOILER #2	1	GRADE 6 OIL	9.36	12.63	1.00	1.00	9.36	1.00	1.00	12.63	
00016	ALLEN'S HATCHERY INC ALLEN'S MILLING	10200401	002	BOILER #1	1	GRADE 6 OIL	9.36	12.63	1.00	1.00	9.36	1.00	1.00	12.63	
00016	ALLEN'S HATCHERY INC ALLEN'S MILLING	10200602	001	BOILER #2	2	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00016	ALLEN'S HATCHERY INC ALLEN'S MILLING	10200602	002	BOILER #1	2	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00016	ALLEN'S HATCHERY INC ALLEN'S MILLING	30290003	015	CORN DRIER	2	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00288	AMERICAN MINERALS INC	30590001	002	SAND DRYER (EU-08)	2	SAND DRYER - #2 OIL	0.11	0.14	1.00	1.00	0.11	1.00	1.00	0.14	
00288	AMERICAN MINERALS INC	30590001	003	66" RAYMOND MILL (EU-02)	3	PREHEATER - #2 OIL	0.14	0.17	1.00	1.00	0.14	1.00	1.00	0.17	
00023	AMTRAK WILMINGTON MAINTENANCE FACILITY	10200602	001	BOILER #10	1	NATURAL GAS	1.55	0.01	1.00	1.00	1.55	1.00	1.00	0.01	
00023	AMTRAK WILMINGTON MAINTENANCE FACILITY	10200602	002	BOILER #11	1	NATURAL GAS	1.55	0.01	1.00	1.00	1.55	1.00	1.00	0.01	
00023	AMTRAK WILMINGTON MAINTENANCE FACILITY	10200602	003	BOILER #12	1	NATURAL GAS	0.78	0.00	1.00	1.00	0.78	1.00	1.00	0.00	
00059	ARLON, INC.	10200602	003	SILCON COATING MIXING	2	MIX ROOM OXIDIZER FUEL	0.01	0.00	1.00	1.00	0.01	1.00	1.00	0.00	
00059	ARLON, INC.	10200603	004	SILCON RUBBER COATING	6	SILCON TWR FUEL	0.01	0.00	1.00	1.00	0.01	1.00	1.00	0.00	
00059	ARLON, INC.	10200603	004	SILCON RUBBER COATING	7	SILCON OXIDIZER FUEL	0.01	0.00	1.00	1.00	0.01	1.00	1.00	0.00	
00059	ARLON, INC.	10200603	008	TEFLON COATING LINES	3	AISCO COATING LINE FUEL	0.03	0.00	1.00	1.00	0.03	1.00	1.00	0.00	
00059	ARLON, INC.	10200603	008	TEFLON COATING LINES	5	CHESMONT COATING LN FUEL	0.03	0.00	1.00	1.00	0.03	1.00	1.00	0.00	
00059	ARLON, INC.	10200603	008	TEFLON COATING LINES	7	ROSS COATING LINE FUEL	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00059	ARLON, INC.	10200603	019	HOT OIL BOILER - STD	1	STD HOT OIL BOILER	0.01	0.00	1.00	1.00	0.01	1.00	1.00	0.00	
00106	ASTRAZENECA PHARMACEUTICALS LP-FAIRFAX	10200501	004	BOILER K #1	2	#2 OIL	0.41	0.49	1.00	1.00	0.41	1.00	1.00	0.49	
00106	ASTRAZENECA PHARMACEUTICALS LP-FAIRFAX	10200602	004	BOILER K #1	1	NATURAL GAS	1.09	0.01	1.00	1.00	1.09	1.00	1.00	0.01	
00106	ASTRAZENECA PHARMACEUTICALS LP-FAIRFAX	10200602	021	HURST #1	1	NATURAL GAS	3.29	0.06	1.00	1.00	3.29	1.00	1.00	0.06	
00106	ASTRAZENECA PHARMACEUTICALS LP-FAIRFAX	10200603	101	BOILER BRYAN #1	1	NATURAL GAS	1.09	0.01	1.00	1.00	1.09	1.00	1.00	0.01	
00106	ASTRAZENECA PHARMACEUTICALS LP-FAIRFAX	10200603	107	ROLLINS BOILER #1-2	1	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00106	ASTRAZENECA PHARMACEUTICALS LP-FAIRFAX	10200603	111	BURNHAM # 1	1	NATURAL GAS	1.44	0.01	1.00	1.00	1.44	1.00	1.00	0.01	
00106	ASTRAZENECA PHARMACEUTICALS LP-FAIRFAX	20200104	015	INT COMBUSTION ENGINE	1	#2 OIL	2.63	0.17	1.00	1.00	2.63	1.00	1.00	0.17	
00106	ASTRAZENECA PHARMACEUTICALS LP-FAIRFAX	20300101	125	GENERATOR (USBN) 1	1	DIESEL	0.64	0.04	1.00	1.00	0.64	1.00	1.00	0.04	
00106	ASTRAZENECA PHARMACEUTICALS LP-FAIRFAX	20300101	126	GENERATOR (USBS) 2	1	DIESEL	0.89	0.06	1.00	1.00	0.89	1.00	1.00	0.06	
00026	BAYHEALTH MED CENTER KENT GENERAL HOSP	10200502	002	BOILER #2 21.0 MBTU	1	# 2 OIL	0.93	1.32	1.00	1.00	0.93	1.00	1.00	1.32	
00026	BAYHEALTH MED CENTER KENT GENERAL HOSP	10300602	002	BOILER #2 21.0 MBTU	2	NATURAL GAS	3.17	0.02	1.00	1.00	3.17	1.00	1.00	0.02	
00026	BAYHEALTH MED CENTER KENT GENERAL HOSP	20100102	008	600 KW EMERGENCY GENERATO	1	DIESEL FUEL	0.24	0.02	1.00	1.00	0.24	1.00	1.00	0.02	
00036	BAYHEALTH MEDICAL CTR - MILFORD MEMORIAL	10300504	001	BOILER #1	1	GRADE 4 OIL	3.10	11.63	1.00	1.00	3.10	1.00	1.00	11.63	
00036	BAYHEALTH MEDICAL CTR - MILFORD MEMORIAL	20100102	007	500KW EMERGENCY GENERATOR	1	500KW EMERGENCY GENERATOR	0.68	0.04	1.00	1.00	0.68	1.00	1.00	0.04	
00080	CHRISTIANA CARE - CHRISTIANA HOSPITAL	10200401	001	BOILER #1	1	GRADE 6 OIL	40.90	138.01	1.00	1.00	40.90	1.00	1.00	138.01	
00080	CHRISTIANA CARE - CHRISTIANA HOSPITAL	20100102	007	PEAKING UNIT #1	1	LOW SULFER DIESEL	1.42	0.09	1.00	1.00	1.42	1.00	1.00	0.09	
00024	CHRISTIANA CARE - WILMINGTON HOSPITAL	10200602	001	BOILER #1	1	NAT GAS	5.20	0.03	1.00	1.00	5.20	1.00	1.00	0.03	
00024	CHRISTIANA CARE - WILMINGTON HOSPITAL	20300101	007	EMERGENCY GENERATOR #1	1	EMERGENCY GENERATOR #1	2.37	0.16	1.00	1.00	2.37	1.00	1.00	0.16	
00068	CHRISTIANA MATERIALS	20200102	002	AGGREGATE CRUSHER/SCRN	1	CUMMINS ENGINE 475 BRAKE	0.95	0.06	1.00	1.00	0.95	1.00	1.00	0.06	
00068	CHRISTIANA MATERIALS	30500257	001	ASPHALT DRUM DRYER	2	NATURAL GAS	5.37	0.45	1.00	1.00	5.37	1.00	1.00	0.45	
00003	CIBA SPECIALTY CHEMICALS CORP	10200601	001	POWERHOUSE BOILER #1	2	NATURAL GAS	1.63	0.09	1.00	1.00	1.63	1.00	1.00	0.09	
00003	CIBA SPECIALTY CHEMICALS CORP	10200602	002	POWERHOUSE BOILER #2	2	NATURAL GAS	1.63	0.09	1.00	1.00	1.63	1.00	1.00	0.09	
00003	CIBA SPECIALTY CHEMICALS CORP	10200602	106	DPP PACKAGING SYSTEM	2	NATURAL GAS	1.07	0.01	1.00	1.00	1.07	1.00	1.00	0.01	
00003	CIBA SPECIALTY CHEMICALS CORP	10200603	097	THERMAL OXIDIZER	2	NATURAL GAS	1.04	0.01	1.00	1.00	1.04	1.00	1.00	0.01	
00003	CIBA SPECIALTY CHEMICALS CORP	30112199	108	QA SPIN FLASH DRYER	1	NAT GAS FIRED DRYER OF QA	1.84	0.01	1.00	1.00	1.84	1.00	1.00	0.01	
00003	CIBA SPECIALTY CHEMICALS CORP	30190003	016	QA SPRAY DRYER A35 CRUDE	2	NATURAL GAS	1.10	0.01	1.00	1.00	1.10	1.00	1.00	0.01	
00003	CIBA SPECIALTY CHEMICALS CORP	30190003	017	FIN. SPRAY DRYER BLDG A52	2	NATURAL GAS	0.55	0.00	1.00	1.00	0.55	1.00	1.00	0.00	
00003	CIBA SPECIALTY CHEMICALS CORP	39001089	010	SPRAY DRYER A23 (PILOT P)	2	DRYER, PROPANE FUEL	0.01	0.00	1.00	1.00	0.01	1.00	1.00	0.00	
00063	CITISTEEL USA	10300501	018	OFFICE BOILERS	1	DISTILLATE OIL	0.05	0.02	1.00	1.00	0.05	1.00	1.00	0.02	
00063	CITISTEEL USA	30300908	013	ELECTRIC ARC FURNACE	1	ELECTRIC ARC FURNACE	66.20	11.00	1.00	1.00	66.20	1.00	1.00	11.00	
00063	CITISTEEL USA	30390003	010	PLATE MILL SLAB FURNACE	2	HEATER - NATURAL GAS	55.40	0.23	1.00	1.00	55.40	1.00	1.00	0.23	
00063	CITISTEEL USA	30390003	016	MELT SHOP PROCESS HEATERS	1	NATURAL GAS	11.21	0.05	1.00	1.00	11.21	1.00	1.00	0.05	
00002	CITY OF DOVER - MCKEE RUN GENERATING STA	10200602	004	HOTWATER BOILER # 1	2	NATURAL GAS	0.57	0.00	1.00	1.00	0.57	1.00	1.00	0.00	
00002	CITY OF DOVER - MCKEE RUN GENERATING STA	10200602	005	HOTWATER BOILER # 2	1	NATURAL GAS	0.57	0.00	1.00	1.00	0.57	1.00	1.00	0.00	
00076	CITY OF DOVER VAN SANT GENERATING STA	20200401	003	STARTING DIESEL ENGINE	1	DIESEL FUEL	0.03	0.00	1.00	1.00	0.03	1.00	1.00	0.00	
00029	CITY OF LEWES POWER PLANT	20200401	001	CATERPILLER ELEC PK #1	1	DIESEL FUEL	2.45	0.06	1.00	1.00	2.45	1.00	1.00	0.06	
00029	CITY OF LEWES POWER PLANT	20200401	002	CATERPILLER ELEC PK #2	1	DIESEL FUEL	2.36	0.05	1.00	1.00	2.36	1.00	1.00	0.05	
00108	CITY OF SEAFORD-ELECTRIC POWER PLANT	20100102	001	GENERATOR #1	1	#2 OIL	18.00	1.18	1.00	1.00	18.00	1.00	1.00	1.18	
00108	CITY OF SEAFORD-ELECTRIC POWER PLANT	20100102	002	GENERATOR #2	1	#2 OIL	16.52	1.09	1.00	1.00	16.52	1.00	1.00	1.09	
00108	CITY OF SEAFORD-ELECTRIC POWER PLANT	20100102	003	GENERATOR #3	1	#2 OIL	14.56	0.96	1.00	1.00	14.56	1.00	1.00	0.96	
00108	CITY OF SEAFORD-ELECTRIC POWER PLANT	20100102	004	GENERATOR #4	1	#2 OIL	15.04	0.99	1.00	1.00	15.04	1.00	1.00	0.99	
00108	CITY OF SEAFORD-ELECTRIC POWER PLANT	20100102	006	GENERATOR #6	1	#2 OIL	25.46	1.67	1.00	1.00	25.46	1.00	1.00	1.67	
00290	CLEAN EARTH OF NEW CASTLE	50200507	002	70 TON/HR SOIL TREATMENT	2	VOC CONTAMINATED SOIL	6.29	5.09	1.00	1.00	6.29	1.00	1.00	5.09	
00162	COKER CONCRETE	20200102	001	DIESEL ENGINE	1	THREE DIESEL ENGINES	0.64	1.11	1.00	1.00	0.64	1.00	1.00	1.11	
00121	COLOR-BOX LLC	10200603	002	60 HP STEAM GENERATOR	1	NATURAL GAS CONSUMPTION	0.19	0.00	1.00	1.00	0.19	1.00	1.00	0.00	
00121	COLOR-BOX LLC	10200603	003	STEAM GENERATOR 60 HP	1	EXTERNAL COMBUSTION 60 HP	0.19	0.00	1.00	1.00	0.19	1.00	1.00	0.00	
00121	COLOR-BOX LLC	10500106	001	SPACE HEATERS	1	NATURAL GAS CONSUMPTION	0.08	0.00	1.00	1.00	0.08	1.00	1.00	0.00	
00007	CONNECTIV DELMARVA GENERATION-EDGE MOOR	20100101	001	GAS TURBINE	1	DIST. OIL	2.57	1.00	1.00	1.00	2.57	1.00	1.00	1.00	1.17
00007	CONNECTIV DELMARVA GENERATION-EDGE MOOR	20100102	008	DIESEL TURBINE	1	DIST. OIL	0.01	0.00	1.00	1.00	0.01	1.00	1.00	0.00	

PLANT_ID	Facility Name	SCC	POINT	Emissions Unit	SEGMENT	Process Description	Nox_05	SO2_05	NOX_12_GF	NOX_12_CF	NOX_12_GC	SO2_12_GF	SO2_12_CF	SO2_12_GC	Comments
00058	CRODA UNIQEMA	10200603	007	BOILER #4 /FOSTER WHEELER	2	NATURAL GAS	0.08	0.00	1.00	1.00	0.08	1.00	1.00	0.00	
00058	CRODA UNIQEMA	10200603	009	BOILER #5 / GORDON PRATT	2	NATURAL GAS	0.22	0.00	1.00	1.00	0.22	1.00	1.00	0.00	
00058	CRODA UNIQEMA	10200603	605	MP1 OIL HEATER	1	NATURAL GAS	0.07	0.00	1.00	1.00	0.07	1.00	1.00	0.00	
00058	CRODA UNIQEMA	30188801	105	FUGTVE EMIS SURFCTNT AREA	1	PLANT FUG. EMISSIONS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00058	CRODA UNIQEMA	30199999	314	P14 BLD L15 AUTOCLAVE VAC	1	10 GAL AUTOCLAVE VAC SYS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00058	CRODA UNIQEMA	30199999	601	MP1 R3100 REACTOR	1	MP1 R3100 REACTOR	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00128	DAIMLERCHRYSLER CORPORATION	10200401	001	BOILER #1	1	GRADE 6 OIL	2.35	6.53	1.00	0.25	0.59	1.00	1.00	6.53	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200401	002	BOILER #2	1	GRADE 6 OIL	7.98	22.13	1.00	0.25	1.99	1.00	1.00	22.13	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200401	003	BOILER #3	1	GRADE 6 OIL	0.89	0.00	1.00	0.25	0.22	1.00	1.00	0.00	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200401	004	BOILER #4	1	GRADE 6 OIL	3.87	10.75	1.00	0.25	0.97	1.00	1.00	10.75	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200401	005	BOILER #5	1	GRADE 6 OIL	1.96	5.63	1.00	0.25	0.49	1.00	1.00	5.63	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200602	001	BOILER #1	2	NATURAL GAS	0.66	0.00	1.00	0.25	0.16	1.00	1.00	0.00	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200602	002	BOILER #2	2	NATURAL GAS	0.89	0.00	1.00	0.25	0.22	1.00	1.00	0.00	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200602	003	BOILER #3	2	NATURAL GAS	2.94	0.02	1.00	0.25	0.73	1.00	1.00	0.02	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200602	004	BOILER #4	2	NATURAL GAS	0.82	0.00	1.00	0.25	0.20	1.00	1.00	0.00	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200602	005	BOILER #5	2	NATURAL GAS	0.04	0.00	1.00	0.25	0.01	1.00	1.00	0.00	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200602	054	PAINT HOT WATER BOILER #1	2	NATURAL GAS	1.84	0.02	1.00	0.25	0.46	1.00	1.00	0.02	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10200602	078	PAINT HOT WATER BOILER #3	2	NATURAL GAS	5.14	0.06	1.00	0.25	1.29	1.00	1.00	0.06	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10500106	017	POWER ANTI CHIP BOOTH	2	AIR SUPPLY HANDLING (ASH)	0.00	0.00	1.00	0.25	0.01	1.00	1.00	0.00	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10500106	021	COLOR 1&2 TOP COAT BOOTH	2	ALL COLOR 1&2 ASH	6.73	0.06	1.00	0.25	1.68	1.00	1.00	0.06	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10500206	060	MISC. COMB. PAINT SHOP	1	COMFORT HEATING NAT GAS	2.17	0.05	1.00	0.25	0.54	1.00	1.00	0.05	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	10500206	061	MISC. COMB. TOTAL PLANT	1	COMFORT HEATING NAT GAS	18.91	0.09	1.00	0.25	4.73	1.00	1.00	0.09	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	20200102	065	PH EMERG DIESEL GEN 1	1	DIESEL FUEL	0.11	0.01	1.00	0.25	0.03	1.00	1.00	0.01	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	20200102	066	PH EMERG. DIESEL GEN 2	1	DIESEL FUEL	0.11	0.01	1.00	0.25	0.03	1.00	1.00	0.01	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	40200803	018	POWER ANTI CHIP OVEN	1	COATING OVEN	0.56	0.02	1.00	0.25	0.14	1.00	1.00	0.02	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	40200803	022	COLOR 1&2 TOP-COAT OVENS	2	SOLVENT EMISSIONS	0.14	0.00	1.00	0.25	0.03	1.00	1.00	0.00	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	40201001	011	ECOAT PRIMING OVENS	2	NATURAL GAS	0.41	0.01	1.00	0.25	0.10	1.00	1.00	0.01	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	40201001	018	POWER ANTI CHIP OVEN	2	NATURAL GAS	0.65	0.02	1.00	0.25	0.16	1.00	1.00	0.02	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	40201001	022	COLOR 1&2 TOP-COAT OVENS	1	(2) OVENS NATURAL GAS	0.82	0.03	1.00	0.25	0.21	1.00	1.00	0.03	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	40201606	021	COLOR 1&2 TOP COAT BOOTH	1	(2) BOOTHS	0.00	0.05	1.00	0.25	0.00	1.00	1.00	0.05	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	40201619	017	POWER ANTI CHIP BOOTH	1	BOOTH	0.02	0.00	1.00	0.25	0.01	1.00	1.00	0.00	Facility Closed (75% emissions are banked)
00128	DAIMLERCHRYSLER CORPORATION	40290013	023	COATING RTO	1	NAT GAS COMBUSTION EMISS	0.04	0.01	1.00	0.25	0.01	1.00	1.00	0.01	Facility Closed (75% emissions are banked)
00351	DANA RAILCARE	10201002	003	FLARE	1	LPG FLARE	0.10	0.00	1.00	1.00	0.10	1.00	1.00	0.00	
00351	DANA RAILCARE	10500105	004	3 SPACE HEATERS	1	3 KERO. BURNING HEATERS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00365	DASSAULT FALCON JET-WILMINGTON CORP	10200603	004	HANGAR BOILERS	1	NATURAL GAS	1.22	0.01	1.00	1.00	1.22	1.00	1.00	0.01	
00111	DE SOLID WASTE AUTHORITY CHERRY ISLAND	50300601	001	FUGITIVE VOCS - LANDFILL	3	HAPS COMBUSTION	4.10	39.30	1.00	1.00	4.10	1.00	1.00	39.30	
00068	DE SOLID WASTE AUTHORITY SANDTOWN	50300601	001	LANDFILL	2	FLARE	6.80	5.70	1.00	1.00	6.80	1.00	1.00	5.70	
00099	DE SOLID WASTE AUTHORITY SOUTHERN	50300601	001	SUSSEX LANDFILL	2	FUG. AND FLARE EMISSIONS	8.20	45.50	1.00	1.00	8.20	1.00	1.00	45.50	
00090	DELAWARE CORRECTIONAL CENTER - SMYRNA	10300602	001	BOILER 1 KEWANEE - 800HP	2	NAT GAS	4.28	0.05	1.00	1.00	4.28	1.00	1.00	0.05	
00090	DELAWARE CORRECTIONAL CENTER - SMYRNA	20300101	010	17 EMERGENCY GENERATORS	1	DIESEL FUEL	0.15	0.01	1.00	1.00	0.15	1.00	1.00	0.01	
00415	DELAWARE RECYCLABLE PRODUCTS INC	50300601	001	LANDFILL WASTE GAS	5	FLARE COMBUSTION	1.80	8.60	1.00	1.00	1.80	1.00	1.00	8.60	
00066	DELAWARE STATE UNIVERSITY	10300501	001	BOILER 1 JASON LIBRARY	1	#2 OIL	1.28	2.29	1.00	1.00	1.28	1.00	1.00	2.29	
00066	DELAWARE STATE UNIVERSITY	10300602	001	BOILER 1 JASON LIBRARY	3	NATURAL GAS	2.49	0.01	1.00	1.00	2.49	1.00	1.00	0.01	
00077	DEPT OF VETERANS AFFAIRS MEDICAL CENTER	10200501	001	BOILER #1	2	#2 OIL	0.32	0.58	1.00	1.00	0.32	1.00	1.00	0.58	
00077	DEPT OF VETERANS AFFAIRS MEDICAL CENTER	10300602	001	BOILER #1	3	NATURAL GAS	2.63	0.02	1.00	1.00	2.63	1.00	1.00	0.02	
00077	DEPT OF VETERANS AFFAIRS MEDICAL CENTER	20100102	008	5 DIESEL GENERATORS	1	#2 DIESEL FUEL	0.29	0.02	1.00	1.00	0.29	1.00	1.00	0.02	
00069	DIAMOND MATERIALS LLC	20200102	002	DIESEL GENERATOR	1	DIESEL GENERATOR #2 OIL	3.61	0.24	1.00	1.00	3.61	1.00	1.00	0.24	
00069	DIAMOND MATERIALS LLC	30500256	001	DRUM DRYER	1	DRUM DRYER NATURAL GAS	4.12	0.54	1.00	1.00	4.12	1.00	1.00	0.54	
00001	DOVER AIR FORCE BASE	10201002	203	PROPANE COMBUSTION-9 EA	1	PROPANE USE, AGGREGATED	1.79	0.00	1.00	1.00	1.79	1.00	1.00	0.00	
00001	DOVER AIR FORCE BASE	10300401	001	BOILER #1/CENT HTNG PLANT	1	RESIDUAL # 6 OIL	0.13	0.19	1.00	1.00	0.13	1.00	1.00	0.00	Switched from #6 to nat gas
00001	DOVER AIR FORCE BASE	10300401	002	BOILER #2/CENT HTNG PLANT	1	RESIDUAL # 6 OIL	2.36	3.40	1.00	1.00	2.36	1.00	1.00	0.00	Switched from #6 to nat gas
00001	DOVER AIR FORCE BASE	10300401	003	BOILER #3/CENT HTNG PLANT	1	RESIDUAL # 6 OIL	3.40	4.90	1.00	1.00	3.40	1.00	1.00	0.00	Switched from #6 to nat gas
00001	DOVER AIR FORCE BASE	10300602	001	BOILER #1/CENT HTNG PLANT	2	NATURAL GAS	3.35	0.02	1.00	1.00	3.35	1.00	1.00	0.02	
00001	DOVER AIR FORCE BASE	10300602	002	BOILER #2/CENT HTNG PLANT	2	NATURAL GAS	2.50	0.01	1.00	1.00	2.50	1.00	1.00	0.01	
00001	DOVER AIR FORCE BASE	10300602	003	BOILER #3/CENT HTNG PLANT	2	NATURAL GAS	6.35	0.04	1.00	1.00	6.35	1.00	1.00	0.04	
00001	DOVER AIR FORCE BASE	10300602	004	BOILER #4/CENT HTNG PLANT	2	NATURAL GAS	2.56	0.02	1.00	1.00	2.56	1.00	1.00	0.02	
00001	DOVER AIR FORCE BASE	10300602	467	BOILER BLDG 706 (2-UNITS)	3	NATURAL GAS BOILERS(2)	0.61	0.00	1.00	1.00	0.61	1.00	1.00	0.00	
00001	DOVER AIR FORCE BASE	10300603	008	NAT GAS GROUPED-26EA	3	NATURAL GAS BOILER	3.08	0.02	1.00	1.00	3.08	1.00	1.00	0.02	
00001	DOVER AIR FORCE BASE	10500205	009	#2 HF GROUPED - 37EA	1	#2 HEAT OIL UNITS- 37EA	1.66	3.96	1.00	1.00	1.66	1.00	1.00	3.96	
00001	DOVER AIR FORCE BASE	10500205	467	BOILER BLDG 706 (2-UNITS)	1	DISTILLATE FUEL OIL #2	0.03	0.03	1.00	1.00	0.03	1.00	1.00	0.03	
00001	DOVER AIR FORCE BASE	20300101	101	EMER GEN (>600HP) 10EA	1	DIESEL FIRED EMER GEN	2.93	0.19	1.00	1.00	2.93	1.00	1.00	0.19	
00001	DOVER AIR FORCE BASE	20300101	102	EMER GEN (<600HP) 31EA	1	DIESEL FIRED EMER GEN	3.44	0.23	1.00	1.00	3.44	1.00	1.00	0.23	
00001	DOVER AIR FORCE BASE	20400199	316	JET ENGINE TEST CELL	1	FUGITIVE EMISSIONS	14.77	0.58	1.00	1.00	14.77	1.00	1.00	0.58	
00001	DOVER AIR FORCE BASE	20400199	316	JET ENGINE TEST CELL	2	ENGINE TESTS	14.77	0.58	1.00	1.00	14.77	1.00	1.00	0.58	
00016	DOW REICHHOLD SPECIALTY LATEX LLC	10200402	001	BOILER #4	1	#6 OIL	25.43	72.59	1.00	1.00	25.43	1.00	1.00	72.59	
00016	DOW REICHHOLD SPECIALTY LATEX LLC	10200402	025	BOILER #6	2	BOILER #6 OIL	4.46	12.74	1.00	0.00	0.00	1.00	1.00	0.00	Unit Shutdown prior 2012
00016	DOW REICHHOLD SPECIALTY LATEX LLC	10200602	025	BOILER #6	1	BOILER #6 NATURAL GAS	2.77	0.05	1.00	0.00	0.00	1.00	1.00	0.00	Unit Shutdown prior 2012
00016	DOW REICHHOLD SPECIALTY LATEX LLC	10200603	024	INERT GAS GENERATOR	1	INERT GAS GENERATOR	0.07	0.00	1.00	1.00	0.07	1.00	1.00	0.00	
00016	DOW REICHHOLD SPECIALTY LATEX LLC	20300101	030	EMERGENCY GENERATOR	1	EMERGENCY GENERATOR	0.21	0.01	1.00	0.00	0.00	1.00	1.00	0.00	Unit Shutdown prior 2012
00016	DOW REICHHOLD SPECIALTY LATEX LLC	49090013	026	THERMAL OXIDIZER	1	THERMAL OXIDIZER	0.41	0.00	1.00	0.00	0.00	1.00	1.00	0.00	Unit Shutdown prior 2012
00016	DOW REICHHOLD SPECIALTY LATEX LLC	49090023	027	FLARE	1	FLARE	0.09	0.00	1.00	0.00	0.00	1.00	1.00	0.00	Unit Shutdown prior 2012
00126	DUPONT CHESTNUT RUN	10200401	001	BOILER #3	1	GRADE 6 OIL	9.89	29.69	1.00	1.00	9.89	1.00	1.00	29.69	
00126	DUPONT CHESTNUT RUN	10200401	002	BOILER #4	1	GRADE 6 OIL	37.23	111.81	1.00	1.00	37.23	1.00	1.00	111.81	
00126	DUPONT CHESTNUT RUN	20100102	022	EMERGENCY GENERATOR	1	EMERGENCY GENERATOR	3.41	0.22	1.00	1.00	3.41	1.00	1.00	0.22	
00010	DUPONT EDGE MOOR	10200401	007	ROTARY ORE DRYER D-4	1	# 6 OIL	16.48	31.18	1.00	1.00	16.48	1.00	1.00	31.18	
00010	DUPONT EDGE MOOR	10200602	007	ROTARY ORE DRYER D-4	2	NATURAL GAS	5.04	0.01	1.00	1.00	5.04	1.00	1.00	0.01	
00010	DUPONT EDGE MOOR	10200602	013	OXYGEN PREHEATER	2	NATURAL GAS	3.01	0.02	1.00	1.00	3.01</				

PLANT_ID	Facility Name	SCC	POINT	Emissions Unit	SEGMENT	Process Description	Nox_05	SO2_05	NOX_12_GF	NOX_12_CF	NOX_12_GC	SO2_12_GF	SO2_12_CF	SO2_12_GC	Comments
00010	DUPONT EDGE MOOR	10200602	025	TICLA VAPORIZER	1	NATURAL GAS	5.46	0.03	1.00	1.00	5.46	1.00	1.00	0.03	
00010	DUPONT EDGE MOOR	30103503	009	CHLORINATOR/CONDENSING TR	1	REACTOR	2.25	35.30	1.00	1.00	2.25	1.00	1.00	35.30	
00010	DUPONT EDGE MOOR	30103503	011	CHLORINATOR HEAT UP D-13	1	VENT DURING MAINTENANCE	0.02	1.02	1.00	1.00	0.02	1.00	1.00	1.02	
00010	DUPONT EDGE MOOR	30103551	007	ROTARY ORE DRYER D-4	3	PROCESS DRYING	0.00	20.46	1.00	1.00	0.00	1.00	1.00	20.46	
00010	DUPONT EDGE MOOR	30103599	028	TICLA MAINTENANCE SCRUBB.	1	TICLA PROCESS SCRUBBER	0.00	0.63	1.00	1.00	0.00	1.00	1.00	0.63	
00010	DUPONT EDGE MOOR	30103599	044	UREA TREATMENT	1	UREA TREATMENT	0.24	0.00	1.00	1.00	0.24	1.00	1.00	0.00	
00011	DUPONT EXPERIMENTAL STATION	10200401	001	BOILER #1	1	#6 OIL	37.74	119.72	1.00	1.00	37.74	1.00	1.00	119.72	
00011	DUPONT EXPERIMENTAL STATION	10200401	002	BOILER #2	1	#6 OIL	42.98	136.35	1.00	1.00	42.98	1.00	1.00	136.35	
00011	DUPONT EXPERIMENTAL STATION	10200401	003	BOILER #3	1	#6 OIL	62.65	198.73	1.00	1.00	62.65	1.00	1.00	198.73	
00011	DUPONT EXPERIMENTAL STATION	10200401	004	BOILER #4	1	#6 OIL	25.49	80.85	1.00	1.00	25.49	1.00	1.00	80.85	
00011	DUPONT EXPERIMENTAL STATION	20100102	062	ELECTRICAL GENERATOR	1	DISTILLATE OIL	5.08	0.33	1.00	1.00	5.08	1.00	1.00	0.33	
00011	DUPONT EXPERIMENTAL STATION	20100102	106	3 CATALYTIC CONVERTERS	1	3 CATALYTIC CONVERTERS	7.49	0.49	1.00	1.00	7.49	1.00	1.00	0.49	
00011	DUPONT EXPERIMENTAL STATION	39001089	016	P.E. REACTOR INCINERATOR	2	BURNING OF PROPANE	0.39	0.00	1.00	1.00	0.39	1.00	1.00	0.00	
00011	DUPONT EXPERIMENTAL STATION	39001089	028	TAPE COATER BUILDING 352	2	BURNING OF PROPANE	0.05	0.00	1.00	1.00	0.05	1.00	1.00	0.00	
00011	DUPONT EXPERIMENTAL STATION	50300501	010	NICHOLS INCINERATOR	1	HAZARDOUS WASTE	1.80	0.02	1.00	1.00	1.80	1.00	1.00	0.02	
00279	DUPONT STINE - HASKELL LABORATORY	10200401	003	BOILER #3	1	GRADE 6 OIL	20.09	59.66	1.00	1.00	0.00	1.00	1.00	0.00	Unit Shutdown prior 2012
00279	DUPONT STINE - HASKELL LABORATORY	10200401	005	BOILER #5	2	GRADE 6 OIL	22.41	66.54	1.00	1.00	22.41	1.00	1.00	66.54	
00279	DUPONT STINE - HASKELL LABORATORY	10200602	032	BOILER #6 - NATURAL GAS	1	NATURAL GAS	2.95	0.02	1.00	1.00	2.95	1.00	1.00	0.02	
00279	DUPONT STINE - HASKELL LABORATORY	10200602	044	BOILER #7	1	NATURAL GAS	0.18	0.00	1.00	1.00	0.18	1.00	1.00	0.00	
00279	DUPONT STINE - HASKELL LABORATORY	20100102	041	EMERGENCY DIESEL GEN. #1	1	EMERGENCY DIESEL GEN. #1	4.26	0.28	1.00	1.00	4.26	1.00	1.00	0.28	
00279	DUPONT STINE - HASKELL LABORATORY	20100102	042	EMERGENCY DIESEL GEN. #2	1	EMERGENCY DIESEL GEN. #2	4.39	0.29	1.00	1.00	4.39	1.00	1.00	0.29	
00049	DUPONT WILMINGTON OFFICE BUILDING	10200401	001	BOILER #1	1	GRADE 6 OIL	3.55	10.54	1.00	1.00	3.55	1.00	1.00	10.54	
00049	DUPONT WILMINGTON OFFICE BUILDING	10200401	002	BOILER #2	1	GRADE 6 OIL	5.56	16.52	1.00	1.00	5.56	1.00	1.00	16.52	
00049	DUPONT WILMINGTON OFFICE BUILDING	10200401	003	BOILER #3	1	GRADE 6 OIL	5.30	15.75	1.00	1.00	5.30	1.00	1.00	15.75	
00049	DUPONT WILMINGTON OFFICE BUILDING	10200401	004	BOILER #4	1	GRADE 6 OIL	2.63	7.81	1.00	1.00	2.63	1.00	1.00	7.81	
00049	DUPONT WILMINGTON OFFICE BUILDING	10200401	005	BOILER #5	1	GRADE 6 OIL	5.87	17.42	1.00	1.00	5.87	1.00	1.00	17.42	
00073	E-A-R SPECIALTY COMPOSITES S B U AEARO	30800699	004	CASTING MACH. OVEN FMIII	1	CASTING MACH. OVEN FMIII	0.59	0.00	1.00	1.00	0.59	1.00	1.00	0.00	
00462	EASTERN SHORE NATURAL GAS	20200254	001	4 CAT LEAN BURN ENGINES	1	4 CAT NATURAL GAS ENGINES	3.96	0.01	1.00	1.00	3.96	1.00	1.00	0.01	
00194	EASTERN SHORE NATURAL GAS - BRIDGEVILLE	20200253	001	2 NATURAL GAS FIRED ENGIN	1	2 CAT G399	6.74	0.00	1.00	1.00	6.74	1.00	1.00	0.00	
00040	EDGE MOOR MATERIALS INC	30500255	001	HMA MANUFACTURING PROCESS	1	DRUM DRYER NAT GAS FIRED	1.58	0.17	1.00	1.00	1.58	1.00	1.00	0.17	
00120	EDWARD J. KAYE CONSTRUCTION	30500252	001	DRUM DRYER	1	BATCH DRYER	2.91	2.14	1.00	1.00	2.91	1.00	1.00	2.14	
00051	FMC BIOPOLYMER	10200602	201	BOILER #1	1	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00051	FMC BIOPOLYMER	10200602	202	BOILER #2	1	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00051	FMC BIOPOLYMER	10200602	301	R & D BOWEN DRYER 8FT	1	COMBUSTION NAT GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00051	FMC BIOPOLYMER	10200602	302	R & D JEFFREY DRYER #1	1	COMBUSTION NAT GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00051	FMC BIOPOLYMER	10200602	303	R & D JEFFREY DRYER #2	1	COMBUSTION NAT GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00051	FMC BIOPOLYMER	10200602	305	R & D BOWEN DRYER - 3FT	2	COMBUSTION NAT GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00051	FMC BIOPOLYMER	10200602	308	NIRO SPRAY DRYER	1	COMBUSTION - NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00051	FMC BIOPOLYMER	10200602	309	BOWEN SPRAY DRYER	1	COMBUSTION - NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00051	FMC BIOPOLYMER	10200602	310	BAR & MURPHY SPRAY DRYER	1	COMBUSTION - NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00027	FORMOSA PLASTICS CORPORATION	10200501	002	BOILER #1, PB 705	1	#1 & #2 FUEL OIL	0.60	0.72	1.00	1.00	0.60	1.00	1.00	0.72	
00027	FORMOSA PLASTICS CORPORATION	10200501	005	BOILER #2 PB 706	1	#1 & #2 FUEL OIL	1.17	1.39	1.00	1.00	1.17	1.00	1.00	1.39	
00027	FORMOSA PLASTICS CORPORATION	10200602	002	BOILER #1, PB 705	2	NATURAL GAS	3.32	0.02	1.00	1.00	3.32	1.00	1.00	0.02	
00027	FORMOSA PLASTICS CORPORATION	10200602	005	BOILER #2 PB 706	2	NATURAL GAS	6.45	0.04	1.00	1.00	6.45	1.00	1.00	0.04	
00027	FORMOSA PLASTICS CORPORATION	30190003	012	E-2 PVC DRYER	2	NATURAL GAS	13.75	0.06	1.00	1.00	13.75	1.00	1.00	0.06	
00027	FORMOSA PLASTICS CORPORATION	30190003	021	PVC PLANT S-2 POLY DRYER	2	NATURAL GAS	8.38	0.04	1.00	1.00	8.38	1.00	1.00	0.04	
00037	FP INTERNATIONAL INC	10200603	004	BOILER #1	1	NATURAL GAS	0.91	0.01	1.00	1.00	0.91	1.00	1.00	0.01	
00500	GE ENERGY (USA) LLC	10500206	116	FUEL COMBUSTION	1	NATURAL GAS HVAC UNITS	0.21	0.00	1.00	1.00	0.21	1.00	1.00	0.00	
00500	GE ENERGY (USA) LLC	27300320	116	FUEL COMBUSTION	3	PROPANE	0.01	0.00	1.00	1.00	0.01	1.00	1.00	0.00	
00500	GE ENERGY (USA) LLC	39000699	116	FUEL COMBUSTION	2	NAT GAS-THERMAL OXIDIZER	0.16	0.00	1.00	1.00	0.16	1.00	1.00	0.00	
00015	GENERAL MOTORS CORPORATION	10200401	001	BOILER #1	1	# 6 OIL	5.45	14.15	1.00	1.00	5.45	1.00	1.00	14.15	
00015	GENERAL MOTORS CORPORATION	10200401	002	BOILER #2	1	# 6 OIL	14.06	40.00	1.00	1.00	14.06	1.00	1.00	40.00	
00015	GENERAL MOTORS CORPORATION	10200401	003	BOILER #3	1	# 6 OIL	16.42	45.49	1.00	1.00	16.42	1.00	1.00	45.49	
00015	GENERAL MOTORS CORPORATION	10200602	001	BOILER #1	2	NATURAL GAS	1.42	0.01	1.00	1.00	1.42	1.00	1.00	0.01	
00015	GENERAL MOTORS CORPORATION	10200602	005	BOILER #5	2	NATURAL GAS	6.27	0.03	1.00	1.00	6.27	1.00	1.00	0.03	
00015	GENERAL MOTORS CORPORATION	10200602	026	BODY WASHER OVEN #1	1	NATURAL GAS COMBUSTION	0.11	0.00	1.00	1.00	0.11	1.00	1.00	0.00	
00015	GENERAL MOTORS CORPORATION	10200602	027	BODY WASHER OVEN #2	1	NATURAL GAS COMBUSTION	0.11	0.00	1.00	1.00	0.11	1.00	1.00	0.00	
00015	GENERAL MOTORS CORPORATION	10200603	015	MISC. SOURCES	3	COMBUSTION OF NATURAL GAS	1.89	0.01	1.00	1.00	1.89	1.00	1.00	0.01	
00015	GENERAL MOTORS CORPORATION	10300602	023	ELPO/TOPCOAT RTO	1	VOC ABATEMENT UNIT	1.66	0.01	1.00	1.00	1.66	1.00	1.00	0.01	
00015	GENERAL MOTORS CORPORATION	10300602	024	PRIMER/SURFACER RTO	1	VOC ABATEMENT UNIT	2.82	0.02	1.00	1.00	2.82	1.00	1.00	0.02	
00015	GENERAL MOTORS CORPORATION	10500106	008	PRIMER SURFACER BOOTH	2	PRIMER SURFACER AIR HOUSE	1.01	0.01	1.00	1.00	1.01	1.00	1.00	0.01	
00015	GENERAL MOTORS CORPORATION	10500106	011	MOD SHOP BOOTHS	2	MOD SHOP AIR HOUSE	1.36	0.01	1.00	1.00	1.36	1.00	1.00	0.01	
00015	GENERAL MOTORS CORPORATION	10500106	013	DEADNER BOOTH	2	DEADNER BOOTH AIR HEATERS	0.33	0.00	1.00	1.00	0.33	1.00	1.00	0.00	
00015	GENERAL MOTORS CORPORATION	10500106	014	FINAL REPAIR AREA	2	FINAL REPAIR FUEL USAGE	0.98	0.01	1.00	1.00	0.98	1.00	1.00	0.01	
00015	GENERAL MOTORS CORPORATION	40200801	009	PRIMER SURFACER OVEN	2	PRIMER/SURFACER EMISSIONS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00015	GENERAL MOTORS CORPORATION	40200801	012	MOD SHOP OVENS	1	MOD SHOP OVENS & FLASH	0.01	0.00	1.00	1.00	0.01	1.00	1.00	0.00	
00015	GENERAL MOTORS CORPORATION	40201001	007	ELPO PRIM. OVENS & HTRS	2	FUEL COMBUSTION ELPO OVEN	0.93	0.01	1.00	1.00	0.93	1.00	1.00	0.01	
00015	GENERAL MOTORS CORPORATION	40201001	009	PRIMER SURFACER OVEN	1	NATURAL GAS	0.37	0.01	1.00	1.00	0.37	1.00	1.00	0.01	
00015	GENERAL MOTORS CORPORATION	40201001	012	MOD SHOP OVENS	2	MOD OVENS NATURAL GAS USE	0.53	0.01	1.00	1.00	0.53	1.00	1.00	0.01	
00015	GENERAL MOTORS CORPORATION	40201001	012	MOD SHOP OVENS	3	MOD HEAT FLASH GAS USAGE	0.03	0.00	1.00	1.00	0.03	1.00	1.00	0.00	
00024	HANOVER FOODS CORPORATION	10200401	001	BOILER #1	1	GRADE 6 OIL	8.19	13.82	1.00	1.00	8.19	1.00	1.00	13.82	
00024	HANOVER FOODS CORPORATION	10200602	001	BOILER #1	2	NATURAL GAS	0.10	0.00	1.00	1.00	0.10	1.00	1.00	0.00	
00017	HERCULES INCORPORATED RESEARCH CENTER	10200402	002	BOILER #6	1	#6 OIL	11.94	34.08	1.00	1.00	11.94	1.00	1.00	34.08	
00017	HERCULES INCORPORATED RESEARCH CENTER	10200402	004	BOILER #7	1	# 6 OIL	14.01	40.00	1.00	1.00	14.01	1.00	1.00	40.00	
00017	HERCULES INCORPORATED RESEARCH CENTER	10200402	005	BOILER #4 (STAND BY)	1	#6 OIL	5.21	14.88	1.00	1.00	5.21	1.00	1.00	14.88	
00017	HERCULES INCORPORATED RESEARCH CENTER	10200502	001	BOILER #5	2	#2 OIL	0.01	0.01	1.00	1.00	0.01	1.00	1.00	0.01	
00017	HERCULES INCORPORATED RESEARCH CENTER	20200102	075	EMERGENCY GENERATOR 8501	1	NO. 2 FUEL OIL	0.13	0.01	1.00	1.00	0.13	1.00	1.00	0.01	
00017	HERCULES INCORPORATED RESEARCH CENTER	20200401	073	EMERGENCY GENERATOR 1 CSD	1	NO. 2 FUEL OIL	0.22	0.02	1.00	1.00	0.22	1.00	1.00	0.02	

PLANT_ID	Facility Name	SCC	POINT	Emissions Unit	SEGMENT	Process Description	Nox_05	SO2_05	NOX_12_GF	NOX_12_CF	NOX_12_GC	SO2_12_GF	SO2_12_CF	SO2_12_GC	Comments	
00017	HERCULES INCORPORATED RESEARCH CENTER	20200401	074	EMERGENCY GENERATOR 2 CSD	1	NO. 2 FUEL OIL	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00		
00017	HERCULES INCORPORATED RESEARCH CENTER	39999993	072	R&D SUPPORT/MAINTENANCE	1	R&D SUPPORT/MAINTENANCE	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00		
00067	HIRSH INDUSTRIES	40201001	002	DRYING OVEN	1	NATURAL GAS	1.62	0.01	1.00	1.00	1.62	1.00	1.00	0.00	0.01	
00087	IKO PRODUCTION WILMINGTON INC.	10200401	006	INCINERATOR HEATER	2	#6 FUEL OIL	2.60	4.38	1.00	1.00	2.60	1.00	1.00	0.00	4.38	
00087	IKO PRODUCTION WILMINGTON INC.	10200401	014	BOILER #2	2	#6 FUEL OIL	6.90	9.92	1.00	1.00	6.90	1.00	1.00	0.00	9.92	
00087	IKO PRODUCTION WILMINGTON INC.	10200403	013	BOILER #1	2	# 6 FUEL OIL	4.97	7.18	1.00	1.00	4.97	1.00	1.00	0.00	7.18	
00087	IKO PRODUCTION WILMINGTON INC.	10200603	013	BOILER #1	1	NATURAL GAS	0.11	0.00	1.00	1.00	0.11	1.00	1.00	0.00	0.00	
00087	IKO PRODUCTION WILMINGTON INC.	10200603	014	BOILER #2	1	NATURAL GAS	0.01	0.00	1.00	1.00	0.01	1.00	1.00	0.00	0.00	
00087	IKO PRODUCTION WILMINGTON INC.	30590003	006	INCINERATOR HEATER	1	NATURAL GAS	0.03	0.00	1.00	1.00	0.03	1.00	1.00	0.00	0.00	
00087	IKO PRODUCTION WILMINGTON INC.	39000699	004	COATING HEATERS	1	NATURAL GAS	0.07	0.00	1.00	1.00	0.07	1.00	1.00	0.00	0.00	
00153	INDEPENDENCE CONSTRUCTION MATERIALS	20300201	002	DIESEL ENGINE	1	NATURAL GAS	0.04	0.00	1.00	1.00	0.04	1.00	1.00	0.00	0.00	
00153	INDEPENDENCE CONSTRUCTION MATERIALS	30500257	001	DRUM ROTARY DRYER CNT FLW	1	DRUM MIX NATURAL GAS	1.76	0.23	1.00	1.00	1.76	1.00	1.00	0.00	0.23	
00367	INTERNATIONAL PETROLEUM CORP OF DELAWARE	10200501	002	PROCESS HEATER #2 - H502	1	PROCESS DISTILLATE OIL	0.38	0.19	1.00	1.00	0.38	1.00	1.00	0.00	0.19	
00367	INTERNATIONAL PETROLEUM CORP OF DELAWARE	10200501	002	PROCESS HEATER #2 - H502	3	DISTILLATE OIL	1.26	0.48	1.00	1.00	1.26	1.00	1.00	0.00	0.48	
00367	INTERNATIONAL PETROLEUM CORP OF DELAWARE	10200501	003	PROCESS HEATER #3 - H503	1	PROCESS DISTILLATE OIL	1.75	0.90	1.00	1.00	1.75	1.00	1.00	0.00	0.90	
00367	INTERNATIONAL PETROLEUM CORP OF DELAWARE	10200501	003	PROCESS HEATER #3 - H503	3	DISTILLATE OIL	3.40	1.28	1.00	1.00	3.40	1.00	1.00	0.00	1.28	
00002	INVISTA	10200202	001	BOILER #1	1	COAL BURNED	395.25	1,768.41	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200202	002	BOILER #2	1	COAL BURNED	490.13	1,653.76	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200202	003	BOILER #3	1	COAL BURNED	367.37	1,499.23	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200401	001	BOILER #1	2	# 6 OIL	11.52	30.37	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200401	002	BOILER #2	2	# 6 OIL	12.94	29.60	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200401	003	BOILER #3	2	# 6 OIL	2.30	4.16	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200401	011	DOWTHERM VAPORIZER #2	1	# 6 OIL	5.82	15.96	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200401	013	DOWTHERM VAPORIZER #5	1	# 6 OIL	4.50	12.35	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200401	016	DOWTHERM VAPORIZER #8	1	# 6 OIL	6.53	17.90	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200401	017	DOWTHERM VAPORIZER #9	1	# 6 OIL	23.94	65.66	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200401	018	DOWTHERM VAPORIZER #10	1	# 6 OIL	33.89	92.94	1.00	0.00	0.00	1.00	0.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200501	006	PROC. HEATER, COAL THAW	1	# 2 OIL	0.32	0.68	1.00	1.00	0.32	1.00	1.00	0.00	0.68	
00002	INVISTA	10200501	011	DOWTHERM VAPORIZER #2	2	# 2 OIL	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	
00002	INVISTA	10200501	013	DOWTHERM VAPORIZER #5	2	# 2 OIL	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200501	016	DOWTHERM VAPORIZER #8	2	# 2 OIL	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200501	017	DOWTHERM VAPORIZER #9	2	# 2 OIL	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200501	018	DOWTHERM VAPORIZER #10	2	# 2 OIL	0.00	0.00	1.00	0.00	0.00	1.00	1.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200602	001	BOILER #1	3	NATURAL GAS	0.17	0.00	1.00	1.00	0.17	1.00	1.00	0.00	0.00	
00002	INVISTA	10200602	002	BOILER #2	3	NATURAL GAS	0.23	0.00	1.00	1.00	0.23	1.00	1.00	0.00	0.00	
00002	INVISTA	10200602	003	BOILER #3	3	NATURAL GAS	0.19	0.00	1.00	1.00	0.19	1.00	1.00	0.00	0.00	
00002	INVISTA	10200602	011	DOWTHERM VAPORIZER #2	3	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200602	013	DOWTHERM VAPORIZER #5	3	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200602	016	DOWTHERM VAPORIZER #8	3	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200602	017	DOWTHERM VAPORIZER #9	3	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	10200602	018	DOWTHERM VAPORIZER #10	3	NATURAL GAS	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	0.00	Unit Shutdown prior 2012
00002	INVISTA	20300101	061	SMALL DIESEL ENGINES	1	IRRIGATION PUMP	0.77	0.05	1.00	1.00	0.77	1.00	1.00	0.00	0.05	
00002	INVISTA	20300101	061	SMALL DIESEL ENGINES	2	WEST FIRE PUMP	0.04	0.00	1.00	1.00	0.04	1.00	1.00	0.00	0.00	
00002	INVISTA	20300101	061	SMALL DIESEL ENGINES	3	RIVER WATER PUMP	0.04	0.00	1.00	1.00	0.04	1.00	1.00	0.00	0.00	
00002	INVISTA	30102431	020	LINDBERG UNIT	2	INCINERATION OF NYL 6,6	0.02	0.00	1.00	1.00	0.02	1.00	1.00	0.00	0.00	
00002	INVISTA	30190011	020	LINDBERG UNIT	1	INCINERATOR # 2 OIL	0.33	0.70	1.00	1.00	0.33	1.00	1.00	0.00	0.70	
00102	JOHNSON CONTROLS BATTERY GROUP INC	10200603	034	NAT. GAS BURN COMBUSTION	1	FACILITY WIDE COMBUST	3.67	0.02	1.00	1.00	3.67	1.00	1.00	0.00	0.02	
00066	JUSTIN TANKS LLC	10200501	001	BOILER #1	2	#2 OIL	0.29	0.35	1.00	1.00	0.29	1.00	1.00	0.00	0.35	
00115	KUEHNE CHEMICAL COMPANY INC	10200603	002	CLEAVER BROOKS	2	NATURAL GAS	0.08	0.00	1.00	1.00	0.08	1.00	1.00	0.00	0.00	
00104	MACDERMID INC	10500106	004	WAREHOUSE HEATER	1	SPACE HEATER	0.14	0.00	1.00	1.00	0.14	1.00	1.00	0.00	0.00	
00104	MACDERMID INC	30190013	001	COATING LINE	2	INCINERATOR (FUEL USAGE)	2.91	0.00	1.00	1.00	2.91	1.00	1.00	0.00	0.00	
00291	MAGELLAN TERMINALS HOLDINGS, L.P.	10200502	028	HEATER #6	1	GRADE 2 OIL	0.01	0.02	1.00	1.00	0.01	1.00	1.00	0.00	0.02	
00291	MAGELLAN TERMINALS HOLDINGS, L.P.	10200503	014	HEATER #4	1	GRADE 2 OIL	1.08	2.30	1.00	1.00	1.08	1.00	1.00	0.00	2.30	
00291	MAGELLAN TERMINALS HOLDINGS, L.P.	10200503	022	TANK HEATER #5	1	GRADE 2 OIL	2.73	5.80	1.00	1.00	2.73	1.00	1.00	0.00	5.80	
00383	MEDAL A DIV OF AIR LIQUIDE ADV TECH US	10200602	002	MEMBRANE MANUFACTURING	2	SOLVENT CONSUMPTION	1.32	0.01	1.00	1.00	1.32	1.00	1.00	0.00	0.01	
00383	MEDAL A DIV OF AIR LIQUIDE ADV TECH US	10200602	003	BOILER	1	NATURAL GAS	1.61	0.01	1.00	1.00	1.61	1.00	1.00	0.00	0.01	
00004	MOUNTAIRE FARMS OF DELAWARE INC-MILLSBOR	10200401	001	BOILER #5	1	GRADE 6 OIL	2.84	19.19	1.00	NA	4.99	1.00	0.00	0.00	Switched from #6 to nat gas w/ permit cap of 4.99 TPY NOX	
00004	MOUNTAIRE FARMS OF DELAWARE INC-MILLSBOR	10200401	002	BOILER #6	1	GRADE 6 OIL	22.84	154.16	1.00	NA	4.99	1.00	0.00	0.00	Switched from #6 to nat gas w/ permit cap of 4.99 TPY NOX	
00004	MOUNTAIRE FARMS OF DELAWARE INC-MILLSBOR	10200401	003	BOILER #7	1	GRADE 6 OIL	3.76	25.35	1.00	1.00	3.76	1.00	1.00	0.00	25.35	
00004	MOUNTAIRE FARMS OF DELAWARE INC-MILLSBOR	30290001	005	GRAIN DRYERS (4) FUEL USE	1	GRAIN DRYERS, #2 OIL	2.15	3.09	1.00	1.00	2.15	1.00	1.00	0.00	3.09	
00073	MOUNTAIRE FARMS OF DELMARVA - SELBYVILLE	10200401	001	BOILER #1 IRON FIREMAN	1	#6 FUEL OIL	15.14	97.09	1.00	1.00	15.14	1.00	1.00	0.00	97.09	
00112	MOUNTAIRE FARMS OF DELMARVA FRANKFORD	10200401	001	APC810141 BOILER #1 WEST	1	#6 OIL	8.34	56.30	1.00	1.00	8.34	1.00	1.00	0.00	56.30	
00012	MOUNTAIRE FARMS OF DELMARVA FRANKFORD	39001089	008	APC940617BERICOCORNDRYER	1	PROPANE	0.54	0.00	1.00	1.00	0.54	1.00	1.00	0.00	0.00	
00324	NORAMCO INC	10200602	011	BOILER #1	2	NATURAL GAS	1.56	0.02	1.00	1.00	1.56	1.00	1.00	0.00	0.02	
00324	NORAMCO INC	10200602	012	BOILER # 2	1	NATURAL GAS	0.77	0.01	1.00	1.00	0.77	1.00	1.00	0.00	0.01	
00018	NVF COMPANY INC - YORKLYN FACILITY	10200602	001	BOILER #1	2	NAT. GAS	1.29	0.02	1.00	1.00	1.29	1.00	1.00	0.00	0.02	
00030	OCCIDENTAL CHEMICAL CORPORATION	10200501	001	BOILER #1	1	#2 OIL	0.40	0.14	1.00	1.00	0.40	1.00	1.00	0.00	0.14	
00030	OCCIDENTAL CHEMICAL CORPORATION	10200501	004	BOILER #5	1	# 2 OIL	0.30	0.11	1.00	1.00	0.30	1.00	1.00	0.00	0.11	
0003																

nonEGU

PLANT_ID	Facility Name	SCC	POINT	Emissions Unit	SEGMENT	Process Description	Nox_05	SO2_05	NOX_12_GF	NOX_12_CF	NOX_12_GC	SO2_12_GF	SO2_12_CF	SO2_12_GC	Comments
00003	PERDUE FARMS - BRIDGEVILLE	10200602	021	GD - GRAIN DRYING	1	COMBUSTION	0.32	0.00	1.00	1.00	0.32	1.00	1.00	0.00	
00075	PERDUE FARMS INC - GEORGETOWN	10200401	001	BOILER #1	1	GRADE 6 OIL	19.12	129.04	1.00	1.00	19.12	1.00	1.00	129.04	
00075	PERDUE FARMS INC - MILFORD	10200404	001	BOILER #1 CLEAVER BROOKS	1	GRADE #4 OIL	14.93	25.19	1.00	1.00	14.93	1.00	1.00	25.19	
00146	PERDUE-AGRIRECYCLE LLC	30290001	002	DRYING	3	#2 OIL	4.03	0.00	1.00	1.00	4.03	1.00	1.00	0.00	
00146	PERDUE-AGRIRECYCLE LLC	30299998	001	RECEIVING AREA	1	RECEIVING	50.00	17.80	1.00	1.00	50.00	1.00	1.00	17.80	
00071	PINNACLE FOODS CORPORATION - VLASIC PLNT	10200401	001	BOILER #1	1	#6 OIL COMBUSTION	5.27	15.30	1.00	1.00	5.27	1.00	1.00	15.30	
00071	PINNACLE FOODS CORPORATION - VLASIC PLNT	10200401	002	BOILER #2	1	#6 OIL COMBUSTION	5.27	15.30	1.00	1.00	5.27	1.00	1.00	15.30	
00071	PINNACLE FOODS CORPORATION - VLASIC PLNT	20200102	006	EMERGENCY GENERATOR	1	EMERGENCY GENERATOR	0.04	0.00	1.00	1.00	0.04	1.00	1.00	0.00	
00093	PRINTPACK INC	10200603	001	NATURAL GAS (SEE NOTE)	1	NATURAL GAS	5.65	0.03	1.00	1.00	5.65	1.00	1.00	0.03	
00004	PROCTER AND GAMBLE DOVER WIPES COMPANY	10200602	001	BOILER #2	3	NATURAL GAS	2.71	0.03	1.00	1.00	2.71	1.00	1.00	0.03	
00463	PURE GREEN INDUSTRIES INC	20200102	002	DIESEL GENERATOR	1	DG - PORT RAP CRUSHER	0.41	0.03	1.00	1.00	0.41	1.00	1.00	0.03	
00463	PURE GREEN INDUSTRIES INC	30500201	001	HOT MIX ASPHALT PLANT	1	ROTARY DRYER (BATCH)	1.08	2.18	1.00	1.00	1.08	1.00	1.00	2.18	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	10200602	023	KEWANEE BOILER	1	KEWANEE BOILER	1.04	0.02	1.00	1.00	1.04	1.00	1.00	0.02	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	10200602	030	B4 CARRIERS WASHER	1	NATURAL GAS FIRED	0.03	0.00	1.00	1.00	0.03	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	10200603	006	POLYMER PROD/SUBA LINE	6	CLEAVER-BROOKS BOILER	0.15	0.00	1.00	1.00	0.15	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	20200102	024	B2 EMERGENCY GENERATOR	1	B2 EMERGENCY GENERATOR	0.07	0.00	1.00	1.00	0.07	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	20200102	025	B5 EMERGENCY GENERATOR	1	B5 EMERGENCY GENERATOR	0.72	0.03	1.00	1.00	0.72	1.00	1.00	0.03	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	20200102	031	B2 FIRE PROTECTION PUMP	1	B2 FIRE PROTECTION PUMP	0.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	20200102	032	B9 EMERGENCY GENERATOR	1	B9 EMERGENCY GENERATOR	0.03	0.00	1.00	1.00	0.03	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	40201001	002	IMPREGNATION 2 LINE	3	NATURAL GAS-OVEN HEATERS	0.07	0.00	1.00	1.00	0.07	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	40201001	002	IMPREGNATION 2 LINE	4	INCINERATOR	0.18	0.00	1.00	1.00	0.18	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	40201001	006	POLYMER PROD/SUBA LINE	3	SUBA LINE 1 OVENS (2)	0.22	0.00	1.00	1.00	0.22	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	40201001	006	POLYMER PROD/SUBA LINE	7	HURST BOILER	0.09	0.00	1.00	1.00	0.09	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	40201001	016	SLURRY PRODUCTION	2	WEIL MCCLAIN BOILER	0.09	0.00	1.00	1.00	0.09	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	40201001	021	SUBA LINE 2	2	SUBA LINE 2 OVEN	0.29	0.00	1.00	1.00	0.29	1.00	1.00	0.00	
00033	ROHM & HAAS ELECTRONIC MATERIALS CMP TE	40201101	002	IMPREGNATION 2 LINE	2	COATING OPERATION	0.44	0.00	1.00	1.00	0.44	1.00	1.00	0.00	
00009	SEA WATCH INTERNATIONAL LTD	10200404	001	BOILER #1(L-39872)	1	GRADE 5 OIL	7.47	12.60	1.00	1.00	7.47	1.00	1.00	12.60	
00009	SEA WATCH INTERNATIONAL LTD	10200602	001	BOILER #1(L-39872)	2	NATURAL GAS	2.50	0.02	1.00	1.00	2.50	1.00	1.00	0.02	
00426	SPI POLYOLS INC	10200401	004	WICKS BOILER #4	1	GRADE 6 OIL	59.73	236.82	1.00	1.00	59.73	1.00	1.00	236.82	
00426	SPI POLYOLS INC	10200402	001	EDGMOOR BOILER #1	1	GRADE 6 OIL	22.78	65.68	1.00	0.00	0.00	1.00	0.00	0.00	Boiler 1 removed
00426	SPI POLYOLS INC	10200402	003	BOILER #3/COMBUSTION ENG.	1	GRADE 6 OIL	71.33	205.70	1.00	1.00	71.33	1.00	1.00	205.70	
00426	SPI POLYOLS INC	10200601	004	WICKS BOILER #4	2	NATURAL GAS	0.34	0.00	1.00	1.00	0.34	1.00	1.00	0.00	
00426	SPI POLYOLS INC	10200602	001	EDGMOOR BOILER #1	2	NATURAL GAS	0.06	0.00	1.00	1.00	0.06	1.00	1.00	0.00	
00426	SPI POLYOLS INC	10200602	003	BOILER #3/COMBUSTION ENG.	2	NATURAL GAS	0.10	0.00	1.00	1.00	0.10	1.00	1.00	0.00	
00426	SPI POLYOLS INC	10200602	005	TEMPORARY BOILER	1	NATURAL GAS	0.14	0.00	1.00	1.00	0.14	1.00	1.00	0.00	
00426	SPI POLYOLS INC	10300602	110	HYDROGEN PLANT	1	NATURAL GAS	1.98	0.01	1.00	1.00	1.98	1.00	1.00	0.01	
00133	ST. FRANCIS HOSPITAL	10300602	001	BOILER #1	2	NAT. GAS	3.87	0.02	1.00	1.00	3.87	1.00	1.00	0.02	
00021	SUNOCO INC MARCUS HOOK REFINERY	10200601	001	BOILER #1	2	NATURAL GAS	6.87	0.02	1.00	1.00	6.87	1.00	1.00	0.02	
00021	SUNOCO INC MARCUS HOOK REFINERY	10200601	002	BOILER #2	2	NATURAL GAS	9.72	0.04	1.00	1.00	9.72	1.00	1.00	0.04	
00021	SUNOCO INC MARCUS HOOK REFINERY	10200601	003	BOILER #3	2	NATURAL GAS	25.12	0.07	1.00	1.00	25.12	1.00	1.00	0.07	
00021	SUNOCO INC MARCUS HOOK REFINERY	10200601	014	(2) 17-1P HEATERS	1	PROCESS GAS	16.50	0.01	1.00	1.00	16.50	1.00	1.00	0.01	
00021	SUNOCO INC MARCUS HOOK REFINERY	10200602	018	HRI BOILER H-101	1	NATURAL GAS FUELED	0.31	0.00	1.00	1.00	0.31	1.00	1.00	0.00	
00021	SUNOCO INC MARCUS HOOK REFINERY	10200602	020	CRACKING FURNACE H-102	1	H-102 NATURAL GAS FIRED	0.35	0.00	1.00	1.00	0.35	1.00	1.00	0.00	
00021	SUNOCO INC MARCUS HOOK REFINERY	10200602	022	CRACKING FURNACE H-104	1	H-104 NATURAL GAS FIRED	0.98	0.01	1.00	1.00	0.98	1.00	1.00	0.01	
00021	SUNOCO INC MARCUS HOOK REFINERY	10200602	023	ACETYLENE PREHEATER H-201	1	H-201 NATURAL GAS FIRED	2.97	0.02	1.00	1.00	2.97	1.00	1.00	0.02	
00021	SUNOCO INC MARCUS HOOK REFINERY	10200602	024	REGENERATION HEATER H-202	1	H-202 NATURAL GAS FIRED	2.00	0.01	1.00	1.00	2.00	1.00	1.00	0.01	
00021	SUNOCO INC MARCUS HOOK REFINERY	10300602	004	BOILER #4 (WICKS)	1	NATURAL GAS	4.40	0.03	1.00	1.00	4.40	1.00	1.00	0.03	
00021	SUNOCO INC MARCUS HOOK REFINERY	30103204	031	SRU1	1	SRU1	2.62	5.93	1.00	1.00	2.62	1.00	1.00	5.93	
00021	SUNOCO INC MARCUS HOOK REFINERY	30103204	032	SRU2	1	SRU2	3.06	6.04	1.00	1.00	3.06	1.00	1.00	6.04	
00021	SUNOCO INC MARCUS HOOK REFINERY	30600106	004	BOILER #4 (WICKS)	2	PROCESS GAS	1.38	0.01	1.00	1.00	1.38	1.00	1.00	0.01	
00021	SUNOCO INC MARCUS HOOK REFINERY	30600904	005	FLARE	1	FLARE - PROCESS GAS	31.37	24.00	1.00	1.00	31.37	1.00	1.00	24.00	
00092	THE CROWELL CORPORATION	10200603	010	YORK SHIPLY BOILER	1	NATURAL GAS	1.45	0.01	1.00	1.00	1.45	1.00	1.00	0.01	
00016	THE PREMCOR REFINING GROUP INC	10100701	067	BOILER 4	2	REFINERY GAS	174.85	46.31	1.00	1.00	174.85	1.00	1.00	46.31	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10100701	068	BOILER 1	2	REFINERY GAS	189.11	25.14	1.00	1.00	189.11	1.00	1.00	25.14	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10100701	069	BOILER 2	2	REFINERY GAS	28.23	4.77	1.00	1.00	28.23	1.00	1.00	4.77	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200602	084	HYDROD TRAIN HTR 29-H-101	1	REFINERY GAS	23.90	0.60	1.00	1.00	23.90	1.00	1.00	0.60	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200602	085	HYDRODS. TRAIN HTR 29-H-8	1	REFINERY GAS	23.90	0.50	1.00	1.00	23.90	1.00	1.00	0.50	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	003	HEATER 22-H-2 COKER SEALS	1	REFINERY GAS	6.00	0.10	1.00	1.00	6.00	1.00	1.00	0.10	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	007	HEATER #2 FOR UNIT 21-H-2	1	REFINERY GAS	101.10	2.00	1.00	1.00	101.10	1.00	1.00	2.00	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	013	TETRA HEATER 32-H-101	1	REFINERY GAS	11.90	0.30	1.00	1.00	11.90	1.00	1.00	0.30	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	027	SULFUR RECOVERY UNIT 1	2	REFINERY FUEL GAS	1.50	33.00	1.00	1.00	1.50	1.00	1.00	33.00	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	028	SULFUR RECOVERY UNIT 2	2	REFINERY FUEL GAS	4.10	119.40	1.00	1.00	4.10	1.00	1.00	119.40	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	030	HYDROCRACKER HTR 36-H-1	1	REFINERY GAS	16.90	0.20	1.00	1.00	16.90	1.00	1.00	0.20	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	031	HYDROCRACKER HTR 36-H-3	1	REFINERY GAS	8.30	0.10	1.00	1.00	8.30	1.00	1.00	0.10	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	032	HYDROCRACKER HTR 36-H-2	1	REFINERY GAS	5.30	0.00	1.00	1.00	5.30	1.00	1.00	0.00	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	034	HYDROCRACKER H2 HTR 37-H1	2	REFINERY GAS	72.20	0.90	1.00	1.00	72.20	1.00	1.00	0.90	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	070	BOILER 3	4	SYNGAS	186.81	56.75	1.00	1.00	186.81	1.00	1.00	56.75	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	074	NEW CCR REF. HTR 42-H-1	1	REFINERY GAS	74.50	1.60	1.00	1.00	74.50	1.00	1.00	1.60	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	075	NEW CCR REF. HTR 42-H-2	1	REFINERY GAS	76.90	1.70	1.00	1.00	76.90	1.00	1.00	1.70	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	076	NEW CCR REF. HTR 42-H-3	1	REFINERY GAS	37.70	0.80	1.00	1.00	37.70	1.00	1.00	0.80	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	077	NEW CCR REF. HTR 42-H-7	1	REFINERY GAS	23.80	0.60	1.00	1.00	23.80	1.00	1.00	0.60	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	090	HYDRODS. TRAIN HTR 29-H-2	1	REFINERY GAS	23.70	0.40	1.00	1.00	23.70	1.00	1.00	0.40	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	091	HYDRODS. TRAIN HTR 29-H-3	1	REFINERY GAS	5.10	0.10	1.00	1.00	5.10	1.00	1.00	0.10	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	092	HYDRODS. TRAIN HTR 29-H-0	1	REFINERY GAS	10.90	0.20	1.00	1.00	10.90	1.00	1.00	0.20	NOX CF based on Facility-wide CAPS of 2,225 in 2011
00016	THE PREMCOR REFINING GROUP INC	10200701	095												

nonEGU

PLANT_ID	Facility Name	SCC	POINT	Emissions Unit	SEGMENT	Process Description	Nox_05	SO2_05	NOX_12_GF	NOX_12_CF	NOX_12_GC	SO2_12_GF	SO2_12_CF	SO2_12_GC	Comments	
00016	THE PREMCOR REFINING GROUP INC	10200701	105	CRUDE UNIT HEATR 21-H-701	1	REFINERY FUEL GAS	78.80	30.50	1.00	1.00	78.80	1.00	1.00	30.50	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	10200701	106	HTR FOR COKER SHU UNIT	1	REFINERY FUEL GAS	21.60	0.20	1.00	1.00	21.60	1.00	1.00	0.20	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	10200701	125	CNHTU HEATR 25-H-401	1	REFINERY FUEL GAS	11.59	0.10	1.00	1.00	11.59	1.00	1.00	0.10	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	10200701	126	CNHTU HTR 25-H-402	2	REFINERY GAS	4.30	0.10	1.00	1.00	4.30	1.00	1.00	0.10	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	10201402	002	FLUID COKER CO BOLER 22H3	1	COKER OFF GAS	576.40	14,671.94	1.00	1.00	576.40	1.00	0.05	733.60	SO2 scrubber 95% CE. NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	10201402	012	CRACKER CO BOILER MAIN ST	1	CRACKER OFF GAS	900.18	9,683.19	1.00	1.00	900.18	1.00	0.05	484.16	SO2 scrubber 95% CE. NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	20200701	527	REPOWERING CT1	2	SYNGAS	51.76	155.97	1.00	1.00	51.76	1.00	1.00	155.97	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	20200701	528	REPOWERING CT2	2	SYNGAS	69.09	45.88	1.00	1.00	69.09	1.00	1.00	45.88	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30103299	010	COKER GASOLINE MEROX PLT	1	COKER MEROX	0.00	13.14	1.00	1.00	0.00	1.00	1.00	13.14	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30103299	016	ALKYLATION FEED MEROX PLT	1	ALKY MEROX	0.00	113.88	1.00	1.00	0.00	1.00	1.00	113.88	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30103299	017	POLYMERIZATION MEROX PLT	1	POLY MEROX	0.00	74.46	1.00	1.00	0.00	1.00	1.00	74.46	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30600201	011	CRACKER BYPASS STACK	1	COB - DOWN	45.14	394.18	1.00	1.00	45.14	1.00	1.00	394.18	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30600505	051	WASTEWATER TREATMNT PLANT	2	INCINERATOR	6.35	0.00	1.00	1.00	6.35	1.00	1.00	0.00	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30600602	102	NAPHTHA TREATER	1	PROCESS	0.00	191.54	1.00	1.00	0.00	1.00	1.00	191.54	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30600904	080	FLARE SYSTEM	1	REFINERY GAS	4.32	0.16	1.00	1.00	4.32	1.00	1.00	0.16	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30600904	520	PROPANE PIT FLARE	1	PROPANE	1.04	0.00	1.00	1.00	1.04	1.00	1.00	0.00	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30600904	532	REPOWER SYNGAS FLARE	1	CLEAN SYN GAS	14.39	435.50	1.00	1.00	14.39	1.00	1.00	435.50	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30600904	999	ACCIDENTAL RELEASES	2	ACCIDENTAL RELEASE-FLARE	0.21	20.48	1.00	1.00	0.21	1.00	1.00	20.48	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30601201	001	COKER INCINERATOR STACK	1	COKER OFF GAS	36.94	346.16	1.00	1.00	36.94	1.00	1.00	346.16	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	30699999	999	ACCIDENTAL RELEASES	1	ACCIDENTAL RELEASES	0.06	2.98	1.00	1.00	0.06	1.00	1.00	2.98	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00016	THE PREMCOR REFINING GROUP INC	40600240	081	BARGE LOADING	6	FLARE FOR GASO LOADING	2.92	0.00	1.00	1.00	2.92	1.00	1.00	0.00	NOX CF based on Facility-wide CAPS of 2,225 in 2011	
00006	TILCON DELAWARE - BAY ROAD	20200102	011	PRBLE CRUSHER 2 DGE	1	DGE 1 FUEL OIL NO. 2	0.60	0.04	1.00	1.00	0.60	1.00	1.00	0.04		
00006	TILCON DELAWARE - BAY ROAD	30500259	001	ASPHALTIC PLANT #3	1	DRUM DRYER ASPHALT (OIL)	7.29	7.69	1.00	1.00	7.29	1.00	1.00	7.69		
00130	TILCON DELAWARE - GEORGETOWN	30500260	001	HOT MIX PLANT	1	DRUM PLANT	7.07	7.45	1.00	1.00	7.07	1.00	1.00	7.45		
00014	TILCON DELAWARE - HORSEPOUND ROAD	30500252	001	ASPHALT HOT MIX PLANT	1	ROTARY DRYER BATCH (OIL)	1.22	0.63	1.00	1.00	1.22	1.00	1.00	0.63		
00048	TILCON DELAWARE - TERMINAL AVENUE	20300101	006	DIESEL ENGINES	1	DIESEL FUEL	3.02	0.20	1.00	1.00	3.02	1.00	1.00	0.20		
00048	TILCON DELAWARE - TERMINAL AVENUE	30500260	001	DRUM DRYER (ASPHALT PROD)	1	DRUM DRYER OIL	3.58	3.78	1.00	1.00	3.58	1.00	1.00	3.78		
00026	TILCON DELAWARE GUMBORO	30500257	001	ASPHALT HOT MIX PLANT	1	ROTARY DRYER	5.58	0.34	1.00	1.00	5.58	1.00	1.00	0.34		
00022	UNIVERSITY OF DELAWARE NEWARK	10200602	051	BOILER #1 LAIRD CAMPUS	1	NATURAL GAS	1.20	0.02	1.00	1.00	1.20	1.00	1.00	0.02		
00022	UNIVERSITY OF DELAWARE NEWARK	10200602	053	BCC BOILER	1	NATURAL GAS	0.75	0.00	1.00	1.00	0.75	1.00	1.00	0.00		
00022	UNIVERSITY OF DELAWARE NEWARK	10200603	050	BOILER #3 WORRILOW HALL	1	NATURAL GAS	1.20	0.01	1.00	1.00	1.20	1.00	1.00	0.01		
00022	UNIVERSITY OF DELAWARE NEWARK	10300501	007	BOILER #1 CENTRAL PLANT	1	GRADE 2 OIL	1.52	2.73	1.00	1.00	1.52	1.00	1.00	2.73		
00022	UNIVERSITY OF DELAWARE NEWARK	10300501	008	BOILER #2 CENTRAL PLANT	1	GRADE 2 OIL	1.49	2.68	1.00	1.00	1.49	1.00	1.00	2.68		
00022	UNIVERSITY OF DELAWARE NEWARK	10300501	009	BOILER #3 CENTRAL PLANT	1	GRADE 2 OIL	0.39	0.70	1.00	1.00	0.39	1.00	1.00	0.70		
00022	UNIVERSITY OF DELAWARE NEWARK	10300501	011	BOILER #5 CENTRAL PLANT	1	GRADE 2 OIL	0.14	0.25	1.00	1.00	0.14	1.00	1.00	0.25		
00022	UNIVERSITY OF DELAWARE NEWARK	10300503	030	BOILERS - NEWARK HOUSING	3	#2 OIL	0.24	0.01	1.00	1.00	0.24	1.00	1.00	0.01		
00022	UNIVERSITY OF DELAWARE NEWARK	10300602	005	BOILER #1 RODNEY HALL	2	NATURAL GAS	0.77	0.00	1.00	1.00	0.77	1.00	1.00	0.00		
00022	UNIVERSITY OF DELAWARE NEWARK	10300602	007	BOILER #1 CENTRAL PLANT	2	NATURAL GAS	4.38	0.04	1.00	1.00	4.38	1.00	1.00	0.04		
00022	UNIVERSITY OF DELAWARE NEWARK	10300602	008	BOILER #2 CENTRAL PLANT	2	NATURAL GAS	0.13	0.00	1.00	1.00	0.13	1.00	1.00	0.00		
00022	UNIVERSITY OF DELAWARE NEWARK	10300602	009	BOILER #3 CENTRAL PLANT	2	NATURAL GAS	1.39	0.01	1.00	1.00	1.39	1.00	1.00	0.01		
00022	UNIVERSITY OF DELAWARE NEWARK	10300602	011	BOILER #5 CENTRAL PLANT	2	NATURAL GAS	0.56	0.00	1.00	1.00	0.56	1.00	1.00	0.00		
00022	UNIVERSITY OF DELAWARE NEWARK	10300602	025	BOILERS - GOODSTAY	1	NATURAL GAS	0.07	0.00	1.00	1.00	0.07	1.00	1.00	0.00		
00022	UNIVERSITY OF DELAWARE NEWARK	10300602	041	BOILER #6 CENTRAL PLANT	1	NATURAL GAS	6.16	0.08	1.00	1.00	6.16	1.00	1.00	0.08		
00022	UNIVERSITY OF DELAWARE NEWARK	10300603	001	BOILER #1 /DICKINSON HALL	2	NATURAL GAS	0.42	0.00	1.00	1.00	0.42	1.00	1.00	0.00		
00022	UNIVERSITY OF DELAWARE NEWARK	10300603	003	BOILER 1/GENERAL SERVICES	2	NATURAL GAS	0.32	0.00	1.00	1.00	0.32	1.00	1.00	0.00		
00022	UNIVERSITY OF DELAWARE NEWARK	10300603	030	BOILERS - NEWARK HOUSING	2	NATURAL GAS	2.57	0.02	1.00	1.00	2.57	1.00	1.00	0.02		
00022	UNIVERSITY OF DELAWARE NEWARK	10300603	043	BOILER #1 ALLEN LABORATOR	1	NATURAL GAS	0.56	0.00	1.00	1.00	0.56	1.00	1.00	0.00		
00022	UNIVERSITY OF DELAWARE NEWARK	50200101	019	PATH INCINERATOR -POULTRY	1	POULTRY INCINERATION	0.02	0.02	1.00	1.00	0.02	1.00	1.00	0.02		
00076	W.L. GORE & ASSOC INC, PAPER MILL ROAD	10200603	001	BOILER/PROCESS HEATER	2	NATURAL GAS	0.45	0.00	1.00	1.00	0.45	1.00	1.00	0.00		
00152	WARREN F BEASLEY POWER STATION	20100102	002	BLACK START GENERATOR DL	1	BS DIESEL GENERATOR	0.10	0.00	1.00	1.00	0.10	1.00	1.00	0.00		
00389	WILMINGTON WASTEWATER TREATMENT PLANT	10200501	005	HEATERS #1-9	2	#2 OIL	0.14	0.32	1.00	1.00	0.14	1.00	1.00	0.32		
00389	WILMINGTON WASTEWATER TREATMENT PLANT	10300701	005	HEATERS #1-9	1	WASTE GAS	1.05	0.01	1.00	1.00	1.05	1.00	1.00	0.01		
00389	WILMINGTON WASTEWATER TREATMENT PLANT	50300601	001	POTW	2	WASTE GAS TO FLARE	4.34	0.03	1.00	1.00	4.34	1.00	1.00	0.03		
							5,998.96	34,685.62				4,503.68				5,941.30

Marine Diesel

Delaware Division of Air Quality 2012 Projections Summary - Marine Diesel

Diesel Underway and Port Emissions

SCCs: 2280002X00

Growth only - RIA Tables 3-24 and 3-27 Control Only - RIA Tables 3-47 and 3-50

Year	NOx	SO2	Year	NOx	SO2
2005	825,229	82,543	2005	825,229	82,543
2007	807,063	61,520	2007	807,063	61,520
2012	743,915	42,515	2012	706,123	42,515
2013	732,544	40,702	2013	687,225	40,702
2017	693,862	7,296	2017	581,023	6,949
2020	676,154	3,104	2020	499,798	2,961

Growth Factors by Pollutant			Control Factors by Pollutant		
Years	NOx	SO2	Years	NOx	SO2
GF_05_12	0.9015	0.5151	CF_05_12	0.9492	1.0000
GF_07_13	0.9077	0.6616	CF_07_13	0.9381	1.0000
GF_07_17	0.8597	0.1186	CF_07_17	0.8374	0.9524
GF_07_20	0.8378	0.0505	CF_07_20	0.7392	0.9539

Combined Growth and Control Factors		
Year	NOx	SO2
2005	1	1
2012	0.856	0.515
2013	0.852	0.662
2017	0.720	0.113
2020	0.619	0.048

Source: Regulatory Impact Analysis: Control of Emissions of Air Pollution from Locomotive Engines and Marine Compression Ignition Engines Less than 30 Liters Per Cylinder (EPA 420-R-08-001a, May 2008)

C3 Marine

Delaware Division of Air Quality 2012 Projections Summary - C3 Marine Vessels, Residual

SCCs 2280003100, 2280003200

East Coast					
Growth only			Control only		
Year (1, 2)	NOx	SO2	Year	NOx	SO2 (see alternative method below)
2002	219,560	145,024	2002	219,560	145,024
2003	231,785	154,914	2003	223,455	137,607
2004	244,009	164,803	2004	227,350	130,190
2005	256,234	174,693	2005	231,245	122,772
2006	268,459	184,583	2006	235,140	115,355
2007	280,683	194,472	2007	239,035	107,938
2008	292,908	204,362	2008	242,930	100,521
2009	305,133	214,252	2009	246,825	93,103
2010	317,357	224,141	2010	250,720	85,686
2011	329,582	234,031	2011	254,616	78,269
2012	341,807	243,921	2012	258,511	70,852
2013	354,031	253,810	2013	262,406	63,435
2014	366,256	263,700	2014	266,301	56,017
2015	378,481	273,590	2015	270,196	48,600
2016	390,705	283,479	2016	274,091	41,183
2017	402,930	293,369	2017	277,986	33,766
2018	415,155	303,259	2018	281,881	26,348
2019	427,379	313,148	2019	285,776	18,931
2020	439,604	323,038	2020 (3)	289,671	11,514
02_20 Growth	2.00	2.23			

Growth Factors by Pollutant			Control Factors by Pollutant		
Year	NOx	SO2	Year	NOx	SO2
GF_05_12	1.3340	1.3963	CF_05_12	0.7563	0.2905

RIA Combined Growth and Control Factors		
	NOx	SO2
2005	1	1
2012	1.009	0.406

Notes

1. 2002 Emissions from Table 3-56, 2002 Regional and National Emissions from Category 3 Vessel Main and Auxiliary Engines (p. 3-97 or p. 260 of pdf version)
2. The 2020 Grown emissions are from Table 3-89: 2020 Baseline Emissions Inventory (page 3-132 or p. 295 pdf version)
3. 2020 Controlled emissions from Table 3-92 2020 Baseline Emissions Inventory (page 3-134 or p. 297 of pdf version)

Source: Regulatory Impact Analysis: Control of Emissions of Air Pollution from Category 3 Marine Diesel Engines, EPA420-R-09-019.

C3 Marine

Delaware Division of Air Quality 2012 Projections Summary - C3 Marine Vessels, Residual (cont.)

SO2 control factor	
	SO2
2005	1886
2012 (assuming 27k ppm uncontrolled) (4, 6)	0.370

SO2 Combined Growth and Control Factor	
	SO2
2005	1886
2012 (27k ppm)	0.52

Date	2005 Emissions	05_12 Growth	Control Factor	Growth + Control	2012 tpy
Jan 1 - July 31 tons	1,100	1.40	1.00	1.40	1,536
Aug 1 - Dec 31 tons	786	1.40	0.37	0.52	406
Totals	1,886				1,942

2005 Emissions **1886**
 % sulfur 27000 ppm
 Sulfur Limits: 8/1/12 (5) 10000 ppm
CF **0.37**

Notes

4. U.S. Environmental Protection Agency Current Methodologies in Preparing Mobile Source Port-Related Emission Inventories, Final Report, Table 2-9. April 2009. ICF International
5. Email and telecon w/ U.S. EPA, Office of Transportation and Air Quality, Assessment and Standards Division, 9/30/2010 [Tia Sutton]
6. "Large ships typically use residual fuel with a sulfur content average of 2.7 percent or 27,000 ppm sulfur. However, the sulfur content in residual fuel can be as high as 4.5 percent or 45,000 ppm"
 Email from EPA Region 3 9/30/10

Refinery

THE PREMCOR REFINING GROUP INC

PLANT _ID	SCC	POINT ID	Emissions Unit	Process Description	NOX 05 TPY	SO2 05 TPY	NOX_12		SO2_12		NOX_12 TPY	SO2_12 TPY
							Control Factor **	Growth	Control Factor	Growth		
00016	10100701	067	BOILER 4	REFINERY GAS	174.9	46.3	1.00	0.85	149.0	1.00	1.00	46.3
00016	10100701	068	BOILER 1	REFINERY GAS	189.1	25.1	1.00	0.85	161.2	1.00	1.00	25.1
00016	10100701	069	BOILER 2	REFINERY GAS	28.2	4.8	1.00	0.85	24.1	1.00	1.00	4.8
00016	10200602	084	HYDROD TRAIN HTR 29-H-10	REFINERY GAS	23.9	0.6	1.00	0.85	20.4	1.00	1.00	0.6
00016	10200602	085	HYDRODS. TRAIN HTR 29-H-8	REFINERY GAS	23.9	0.5	1.00	0.85	20.4	1.00	1.00	0.5
00016	10200701	003	HEATER 22-H-2 COKER SEALS	REFINERY GAS	6.0	0.1	1.00	0.85	5.1	1.00	1.00	0.1
00016	10200701	007	HEATER #2 FOR UNIT 21-H-2	REFINERY GAS	101.1	2.0	1.00	0.85	86.2	1.00	1.00	2.0
00016	10200701	013	TETRA HEATER 32-H-101	REFINERY GAS	11.9	0.3	1.00	0.85	10.1	1.00	1.00	0.3
00016	10200701	027	SULFUR RECOVERY UNIT 1	REFINERY FUEL (	1.5	33.0	1.00	0.85	1.3	1.00	1.00	33.0
00016	10200701	028	SULFUR RECOVERY UNIT 2	REFINERY FUEL (	4.1	119.4	1.00	0.85	3.5	1.00	1.00	119.4
00016	10200701	030	HYDROCRACKER HTR 36-H-1	REFINERY GAS	16.9	0.2	1.00	0.85	14.4	1.00	1.00	0.2
00016	10200701	031	HYDROCRACKER HTR 36-H-3	REFINERY GAS	8.3	0.1	1.00	0.85	7.1	1.00	1.00	0.1
00016	10200701	032	HYDROCRACKER HTR 36-H-2	REFINERY GAS	5.3	0.0	1.00	0.85	4.5	1.00	1.00	0.0
00016	10200701	034	HYDROCRACKER H2 HTR 37-H	REFINERY GAS	72.2	0.9	1.00	0.85	61.5	1.00	1.00	0.9
00016	10200701	070	BOILER 3	SYNGAS	186.8	56.8	1.00	0.85	159.2	1.00	1.00	56.8
00016	10200701	074	NEW CCR REF. HTR 42-H-1	REFINERY GAS	74.5	1.6	1.00	0.85	63.5	1.00	1.00	1.6
00016	10200701	075	NEW CCR REF. HTR 42-H-2	REFINERY GAS	76.9	1.7	1.00	0.85	65.5	1.00	1.00	1.7
00016	10200701	076	NEW CCR REF. HTR 42-H-3	REFINERY GAS	37.7	0.8	1.00	0.85	32.1	1.00	1.00	0.8
00016	10200701	077	NEW CCR REF. HTR 42-H-7	REFINERY GAS	23.8	0.6	1.00	0.85	20.3	1.00	1.00	0.6
00016	10200701	090	HYDRODS. TRAIN HTR 29-H-2	REFINERY GAS	23.7	0.4	1.00	0.85	20.2	1.00	1.00	0.4
00016	10200701	091	HYDRODS. TRAIN HTR 29-H-3	REFINERY GAS	5.1	0.1	1.00	0.85	4.3	1.00	1.00	0.1
00016	10200701	092	HYDRODS. TRAIN HTR 29-H-9	REFINERY GAS	10.9	0.2	1.00	0.85	9.3	1.00	1.00	0.2
00016	10200701	095	HYDRODS. TRAIN HTR 29-H-4	REFINERY GAS	1.6	0.0	1.00	0.85	1.4	1.00	1.00	0.0
00016	10200701	096	HYDRODS. TRAIN HTR 29-H-7	REFINERY GAS	2.2	0.0	1.00	0.85	1.9	1.00	1.00	0.0
00016	10200701	098	HYDRODS. TRAIN HTR 29-H-5	REFINERY GAS	17.6	0.1	1.00	0.85	15.0	1.00	1.00	0.1
00016	10200701	099	HYDRODS. TRAIN HTR 29-H-6	REFINERY GAS	9.9	0.2	1.00	0.85	8.4	1.00	1.00	0.2
00016	10200701	105	CRUDE UNIT HEATR 21-H-70	REFINERY FUEL (	78.8	30.5	1.00	0.85	67.1	1.00	1.00	30.5
00016	10200701	106	HTR FOR COKER SHU UNIT	REFINERY FUEL (	21.6	0.2	1.00	0.85	18.4	1.00	1.00	0.2

Refinery

PLANT _ID	SCC	POINT ID	Emissions Unit	Process Description	NOX 05 TPY	SO2 05 TPY	NOX_12		SO2_12			
							Control Factor **	NOX_12 TPY	SO2_12 Growth	Control Factor	SO2_12 TPY	
00016	10200701	125	CNHTU HEATR 25-H-401	REFINERY FUEL	11.6	0.1	1.00	0.85	9.9	1.00	1.00	0.1
00016	10200701	126	CNHTU HTR 25-H-402	REFINERY GAS	4.3	0.1	1.00	0.85	3.7	1.00	1.00	0.1
00016	10201402	002	22H3 CRACKER CO BOILER MAIN	GAS CRACKER OFF	576.4	14,671.9	1.00	0.85	491.2	1.00	0.05	733.6
00016	10201402	012	ST	GAS	900.2	9,683.2	1.00	0.85	767.1	1.00	0.05	484.2
00016	20200701	527	REPOWERING CT1	SYNGAS	51.8	156.0	1.00	0.85	44.1	1.00	1.00	156.0
00016	20200701	528	REPOWERING CT2	SYNGAS	69.1	45.9	1.00	0.85	58.9	1.00	1.00	45.9
00016	30103299	010	COKER GASOLINE MEROX PL	COKER MEROX	0.0	13.1	1.00	0.85	0.0	1.00	1.00	13.1
00016	30103299	016	ALKYLATION FEED MEROX PL	ALKY MEROX	0.0	113.9	1.00	0.85	0.0	1.00	1.00	113.9
00016	30103299	017	POLYMERIZATION MEROX PL	POLY MEROX	0.0	74.5	1.00	0.85	0.0	1.00	1.00	74.5
00016	30600201	011	CRACKER BYPASS STACK	COB - DOWN	45.1	394.2	1.00	0.85	38.5	1.00	1.00	394.2
Source:	30600505	051	WASTEWATER TREATMNT PL	INCINERATOR	6.4	0.0	1.00	0.85	5.4	1.00	1.00	0.0
00016	30600602	102	NAPHTHA TREATER	PROCESS	0.0	191.5	1.00	0.85	0.0	1.00	1.00	191.5
00016	30600904	080	FLARE SYSTEM	REFINERY GAS	4.3	0.2	1.00	0.85	3.7	1.00	1.00	0.2

2,907.5

2477.7

Notes: we determined a 95% control efficiency of the scrubber on point IDs 002 and 012 by comparing emissions before and after controls (Consent Decree)

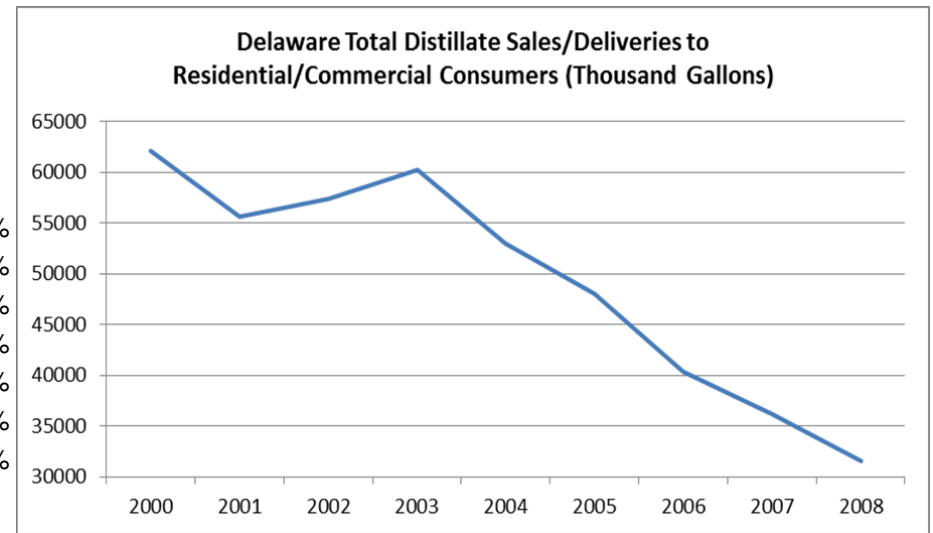
** The refinery (Premcor) was bought by Delaware City Refining Company, which signed an agreement with DE DNREC to CAP their facility-wide NOX emissions at 2,225. This represents a 15% reduction for total NOX in 2012.

Reduction due to CAPS

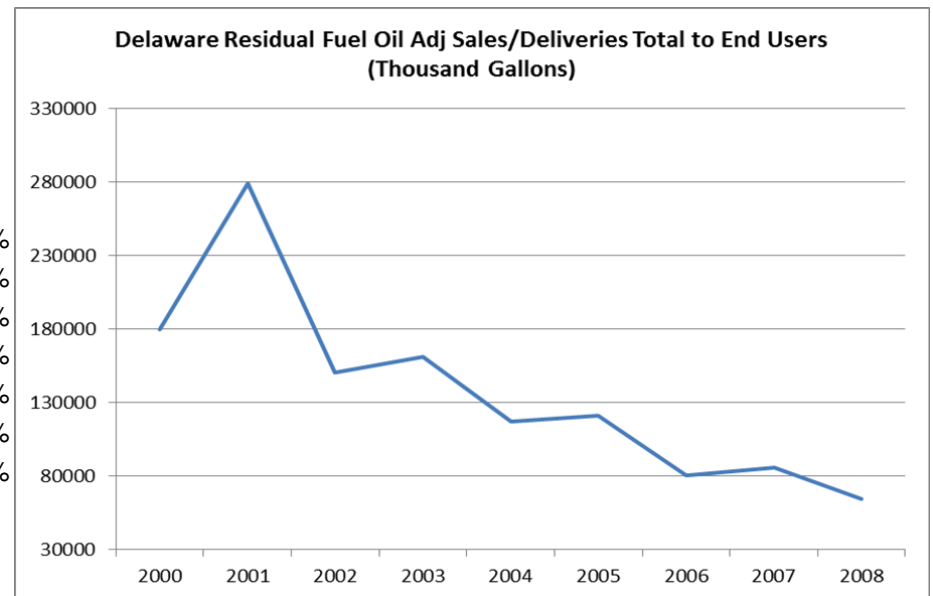
429.9

Fuel Sales

Delaware Total Distillate Sales/Deliveries to Residential/Commercial Consumers (Thousand Gallons)		
Date		
2000	62,091	
2001	55,693	
2002	57,408	2002-2002
2003	60,217	2002-2003
2004	53,024	2002-2004
2005	48,086	2002-2005
2006	40,347	2002-2006
2007	36,187	2002-2007
2008	31,582	2002-2008
05_08 Growth	-34%	



Delaware Total Residual Sales/Deliveries to Residential/Commercial Consumers (Thousand Gallons)		
Date		
2000	179,784	
2001	279,412	
2002	150,389	2002-2002
2003	160,874	2002-2003
2004	117,298	2002-2004
2005	121,003	2002-2005
2006	80,259	2002-2006
2007	86,021	2002-2007
2008	64,451	2002-2008
05_08 Growth	-47%	



Available from <http://tonto.eia.doe.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=KPRVAASDE1&f=A>

Available from http://tonto.eia.doe.gov/dnav/pet/pet_cons_821use_dcu_sde_a.htm

Source: [Energy Information Administration](http://www.eia.doe.gov)

Using IPM Scenario

Summary Table EGU emissions via IPM

This table assumes that EPA IPM runs are better than DAQ EGU projections using state specific data (we deemed it not - see TSD for discussion)

Table 2 2012 Emissions

2012 SO2	EGU	NonEGU	Nonpoint	Nonroad	Onroad	Total
Transport Rule	7,841	10,974	5,858	14,193	98	38,964
DE Projections	7,841	5,941	1,034	2,201	98	17,115
DE Emission Difference	0	-5,033	-4,824	-11,992	0	-21,849
% Difference	0%	46%	82%	84%	0%	56%
2012 NOX	EGU	NonEGU	Nonpoint	Nonroad	Onroad	Total
Transport Rule	4,639	5,567	3,248	15,511	10,700	39,665
DE Projections	4,639	4,934	2,315	10,370	10,700	32,958
DE Emission Difference	0	-633	-933	-5,141	0	-6,707
% Difference	0%	11%	29%	33%	0%	17%

NOTES

1. Assume DE onroad emissions are the same as EPA's for 2005 and 2012. EPA used MOVES, which DAQ does not have the expertise to run in time
 2. Assume no growth for DE non-EGU emissions per EPA methods (see TSD)
 3. DE nonroad model (nonroad equipment) emissions taken from 2012 DE Reg Haze analysis. Marine, aircraft and locomotives were projected by DE DAQ
 4. Assume DE onroad emissions are the same as EPA's for 2005 and 2012. EPA used MOVES. DAQ does not have the time by comment due date to run MOVES
 5. Assume Delaware 2012 emissions are equal to EPA 2012 IPM Runs
- 2005 "Transport Rule" emissions from Tables IV. C-1 and IV. C-2 of the proposed Rule. EPA-HQ-OAR-2009-0491
 2012 "Transport Rule" emissions from Tables IV. C-3 and IV. C-4 of the proposed Rule. EPA-HQ-OAR-2009-0491

"Fires" were not included this analysis - the emissions were insignificant