Attachment D

AES Thames, South Meadows, Exeter

2009 Emissions Statements

Docket ID: EPA-HQ-OAR-2009-0491

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 **Premises:** 44 **Client:** 5779 **Reporting Period:** 2009

Site Name: A E S THAMES, LLC ▲ **Title V Number:** 35

Site Address

Address Line 1: 141 DEPOT RD

Address Line 2:

City: MONTVILLE ▲ **State:** Connecticut **ZIP Code:** 06382

GPLPE: **Latitude/Longitude:** 41.435674, -72.096340 ▲ ▲

SIC: (4911) ELECTRIC SERVICES **Subject to 3c:** No

NAICS Sector:

NAICS Sub-Sector:

Company Contact

First Name: BOB **Last Name:** PRICE

Company: **Type:** Primary Site Contact **Title:** PRESIDENT

Address Line 1: 141 DEPOT RD

Address Line 2:

City: UNCASVILLE **State:** Connecticut **ZIP Code:** 06382

Telephone: (860) 848-9223 **Ext:** 111 **Fax:**

Mobile: **Email:**

Owner

Name: A E S THAMES, LLC ▲

Address Line 1: 141 DEPOT RD

Address Line 2:

City: UNCASVILLE **State:** Connecticut **ZIP Code:** 06382 ▲

Telephone: ▲

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

Site Emissions

Criteria Air Pollutants (CAP)

Pollutant	Actual Emission Amt (tons/yr)
Volatile organic compounds (VOC)	54.42478224
Nitrogen oxides (NOx)	455.2876530225
Carbon monoxide (CO)	542.23647535
PM10, primary	22.6857661505
PM10, filterable	0.0
PM2.5, primary	1.7238668855
PM2.5, filterable	0.0
PM, condensable	0.0
Sulfur Dioxide (SO2)	2298.80536154607
Lead	0.03236627768
Ammonia	0.0

Summer Day Pollutants

Pollutant	Actual Emission Amt (lbs/day)
Volatile organic compounds (VOC)	309.40872
Nitrogen oxides (NOx)	2758.87706
Carbon monoxide (CO)	3362.31418

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Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

Stack: 2 - STACK # 2			
Stack Number:	2	**Stack Name:**	STACK # 2
Stack Height:	170.0 ft	**Diameter:**	0.0 ft
Elevation at Base:	10.0 ft	**Minimum Flow at Maximum Capacity:**	6900.0 ACFM
Exit Direction:	Vertical	**Lining:**	Refractory Lining
Stack Temperature:	86.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.435674, -72.096340	**Maximum Exhaust Flow Rate:**	6900 ACFM
Stack Test Date:			
Sources:	(P15) MATL HANDLING SYSTEM		

Stack: 3 - STACK # 3			
Stack Number:	3	**Stack Name:**	STACK # 3
Stack Height:	14.0 ft	**Diameter:**	0.5 ft
Elevation at Base:	10.0 ft	**Minimum Flow at Maximum Capacity:**	2310.0 ACFM
Exit Direction:	Vertical	**Lining:**	Metal Lining
Stack Temperature:	980.0 °F	**Rain Hat:**	Yes
Latitude/Longitude:	41.435674, -72.096340	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(P20) CAT EMERGEN DIESEL 3406B		

Stack: 4 - STACK # 4			
Stack Number:	4	**Stack Name:**	STACK # 4
Stack Height:	13.0 ft	**Diameter:**	0.4 ft
Elevation at Base:	10.0 ft	**Minimum Flow at Maximum Capacity:**	1236.0 ACFM
Exit Direction:	Horizontal	**Lining:**	Metal Lining
Stack Temperature:	1080.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.435674, -72.096340	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(P21) CAT DIESEL 3306B		

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

Stack: 5 - STACK # 5			
Stack Number:	5	**Stack Name:**	STACK # 5
Stack Height:	383.0 ft	**Diameter:**	14.3 ft
Elevation at Base:	10.0 ft	**Minimum Flow at Maximum Capacity:**	7650.0 ACFM
Exit Direction:	Vertical	**Lining:**	Other
Stack Temperature:	935.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.435674, -72.096340	**Maximum Exhaust Flow Rate:**	524600 ACFM
Stack Test Date:			
Sources:	(P10) BLR CE FLUID BED #1, (P11) BLR CE FLUID BED #2		

Stack: 6 - STACK # 6			
Stack Number:	6	**Stack Name:**	STACK # 6
Stack Height:	20.0 ft	**Diameter:**	2.4 ft
Elevation at Base:	10.0 ft	**Minimum Flow at Maximum Capacity:**	34000.0 ACFM
Exit Direction:	Horizontal	**Lining:**	Metal Lining
Stack Temperature:	180.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.435674, -72.096340	**Maximum Exhaust Flow Rate:**	34000 ACFM
Stack Test Date:			
Sources:	(P14) LIMESTONE DRYER		

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

Boiler - BLR CE FLUID BED #1

Name:	BLR CE FLUID BED #1		
Point ID:	P10	**EU Number:**	1 ▲
Initial Startup Date:	08/09/1989	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
5	STACK # 5	100.0 %

Flow Order	Control Name	Control Type
1	PRIMARY CO CONTROL SYSTEM	99 - MISCELLANEOUS CONTROL DEVICES
2	PRIMARY VOC CONTROL SYSTEM	99 - MISCELLANEOUS CONTROL DEVICES
3	PRIMARY NOX CONTROL SYSTEM	25 - STAGED COMBUSTION
4	PRIMARY LEAD CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F
5	PRIMARY PM CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F
6	PRIMARY SOX CONTROL SYSTEM	41 - DRY LIMESTONE INJECTION

Control Banks:

Nitrogen oxides (NOx) — Actual Efficiency: 84.3%

Control Name	Control Type
PRIMARY NOX CONTROL SYSTEM	25 - STAGED COMBUSTION

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
84.3%	100.0%	100.0%	84.3%	

Carbon monoxide (CO) — Actual Efficiency: 53.9%

Control Name	Control Type
PRIMARY CO CONTROL SYSTEM	99 - MISCELLANEOUS CONTROL DEVICES

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
53.9%	100.0%	100.0%	53.9%	

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PM10, primary	Actual Efficiency: 99.9%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	

PM2.5, primary	Actual Efficiency: 99.9%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	▲

Sulfur Dioxide (SO2)	Actual Efficiency: 90.0%
Control Name	Control Type
PRIMARY SOX CONTROL SYSTEM	41 - DRY LIMESTONE INJECTION

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
90.0%	100.0%	100.0%	90.0%	

Lead	Actual Efficiency: 99.9%
Control Name	Control Type
PRIMARY LEAD CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 10100217

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Fuel & Material Data:

Industry Code:	External Combustion Boilers - Electric Generation
Fuel / Process:	Bituminous/Subbituminous Coal - Atmospheric Fluidized Bed Combustion: Bubbling Bed (Bituminous Coal)
Design Capacity:	923.0 MMBTU/Hour
Max Burner Rating:	39.0 Tons/Hour
Summer Day Use:	942.0 Tons Coal B /Day ▲
Annual Usage:	330143.3 Tons Coal B /Year ▲
Sulfur Content:	1.0362 Percent ▲
Percent Ash:	10.88 Percent ▲
Actual Hours per Year Fuel Use:	8262.0 Hours/Year ▲

Hours of Operation:

Actual Hours/Day: 24 **Actual Days/Week:** 7 **Actual Weeks/Year:** 52

Process Start Time:

Process End Time:

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100217 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.13	0	21.4593145	▲
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	9.5	84.3	246.204365975	▲
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	3.69	53.9	280.8017330985	▲
PM10, primary	STACK TEST - PRIOR CONTROL	44.83	99.9	7.4001620695	▲
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0	▲
PM2.5, primary	ENGINEERING JUDGMENT	4.6	99.9	0.75932959	▲
PM2.5, filterable	ENGINEERING JUDGMENT	0.0	0	0	▲
PM, condensable	ENGINEERING JUDGMENT	0.0	0	0	▲
Sulfur Dioxide (SO2)	STACK TEST - PRIOR CONTROL	68.41*S	90	1170.13419435693	▲
Lead	STACK TEST - PRIOR CONTROL	0.1092	99.9	0.01802582418	▲
Ammonia	ENGINEERING JUDGMENT	0.0	0	0	▲

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100217 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.13	0	122.46	▲
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	8.24	84.3	1218.64656	▲
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	3.69	53.9	1602.42678	▲

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 10100501

Fuel & Material Data:

Industry Code:	External Combustion Boilers - Electric Generation
Fuel / Process:	Distillate Oil - Grades 1 and 2 Oil
Design Capacity:	313.0 MMBTU/Hour ▲
Max Burner Rating:	2270.0 Gallons/Hour
Summer Day Use:	0.28 1000-Gallons #2 Oil /Day ▲
Annual Usage:	107.9 1000-Gallons #2 Oil /Year ▲
Sulfur Content:	0.24 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	67.0 Hours/Year ▲

Hours of Operation:

Actual Hours/Day: 24 **Actual Days/Week:** 1 ▲ **Actual Weeks/Year:** 4 ▲

Process Start Time:

Process End Time:

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100501 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.3	0	0.016185	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	20.0	84.3	0.169403	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	5.0	53.9	0.12435475	
PM10, primary	STACK TEST - PRIOR CONTROL	1.0	99.9	0.00005395	▲
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM2.5, primary	ENGINEERING JUDGMENT	0.0	99.9	0.0	▲
PM2.5, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM, condensable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
Sulfur Dioxide (SO2)	STACK TEST - PRIOR CONTROL	43.08*S	90	0.055779984	
Lead	STACK TEST - PRIOR CONTROL	0.0012	99.9	0.00000006474	
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	▲

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100501 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.3	0	0.084	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	20.0	84.3	0.8792	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	5.0	53.9	0.6454	

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 10100601

Fuel & Material Data:

Industry Code:	External Combustion Boilers - Electric Generation
Fuel / Process:	Natural Gas - Boilers > 100 Million Btu/hr except Tangential
Design Capacity:	320.0 MMBTU/Hour ▲
Max Burner Rating:	320.0 Mcf/Hour
Summer Day Use:	0.0 MMcf Natural Gas /Day
Annual Usage:	0.0 MMcf Natural Gas /Year
Sulfur Content:	0.0006 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	0.0 Hours/Year

Hours of Operation:

Actual Hours/Day: 0 ▲ **Actual Days/Week:** 0 ▲ **Actual Weeks/Year:** 0 ▲

Process Start Time:

Process End Time:

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100601 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	1.52	0	0	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	0	84.3	0	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	40.0	53.9	0.0	
PM10, primary	STACK TEST - PRIOR CONTROL	0	99.9	0	
PM10, filterable	EPA EMISSION FACTOR	1.9	0	0	
PM2.5, primary	EPA EMISSION FACTOR	7.6	99.9	0.0	
PM2.5, filterable	EPA EMISSION FACTOR	1.9	0	0	
PM, condensable	EPA EMISSION FACTOR	5.7	0	0	
Sulfur Dioxide (SO2)	STACK TEST - PRIOR CONTROL	0	90	0	
Lead	STACK TEST - PRIOR CONTROL	0	99.9	0	
Ammonia	EPA EMISSION FACTOR	3.2	0	0	

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100601 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	1.52	0	0	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	0	84.3	0	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	40.0	53.9	0.0	

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Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

Boiler - BLR CE FLUID BED #2

Name:	BLR CE FLUID BED #2		
Point ID:	P11	**EU Number:**	2 ▲
Initial Startup Date:	08/09/1989	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
5	STACK # 5	100.0 %

Flow Order	Control Name	Control Type
1	PRIMARY CO CONTROL SYSTEM	99 - MISCELLANEOUS CONTROL DEVICES
2	PRIMARY VOC CONTROL SYSTEM	99 - MISCELLANEOUS CONTROL DEVICES
3	PRIMARY NOX CONTROL SYSTEM	25 - STAGED COMBUSTION
4	PRIMARY LEAD CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F
5	PRIMARY PM CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F
6	PRIMARY SOX CONTROL SYSTEM	41 - DRY LIMESTONE INJECTION

Control Banks:

Nitrogen oxides (NOx) — Actual Efficiency: 84.3%

Control Name	Control Type
PRIMARY NOX CONTROL SYSTEM	25 - STAGED COMBUSTION

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
84.3%	100.0%	100.0%	84.3%	

Carbon monoxide (CO) — Actual Efficiency: 53.9%

Control Name	Control Type
PRIMARY CO CONTROL SYSTEM	99 - MISCELLANEOUS CONTROL DEVICES

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
53.9%	100.0%	100.0%	53.9%	

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PM10, primary	Actual Efficiency: 99.9%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	

PM2.5, primary	Actual Efficiency: 99.9%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	▲

Sulfur Dioxide (SO2)	Actual Efficiency: 90.0%
Control Name	Control Type
PRIMARY SOX CONTROL SYSTEM	41 - DRY LIMESTONE INJECTION

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
90.0%	100.0%	100.0%	90.0%	

Lead	Actual Efficiency: 99.9%
Control Name	Control Type
PRIMARY LEAD CONTROL SYSTEM	16 - FABRIC FILTER - TEMP > 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 10100217

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Fuel & Material Data:

Industry Code:	External Combustion Boilers - Electric Generation
Fuel / Process:	Bituminous/Subbituminous Coal - Atmospheric Fluidized Bed Combustion: Bubbling Bed (Bituminous Coal)
Design Capacity:	923.0 MMBTU/Hour
Max Burner Rating:	39.0 Tons/Hour
Summer Day Use:	861.2 Tons Coal B /Day ▲
Annual Usage:	312994.3 Tons Coal B /Year ▲
Sulfur Content:	1.0362 Percent ▲
Percent Ash:	10.87 Percent ▲
Actual Hours per Year Fuel Use:	8030.0 Hours/Year ▲

Hours of Operation:

Actual Hours/Day: 24 **Actual Days/Week:** 7 **Actual Weeks/Year:** 52

Process Start Time:

Process End Time:

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100217 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.21	0	32.8644015	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	8.45	84.3	207.6169440475	▲
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	3.61	53.9	260.4441220015	▲
PM10, primary	STACK TEST - PRIOR CONTROL	57.82	99.9	9.048665213	▲
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0	▲
PM2.5, primary	ENGINEERING JUDGMENT	4.6	99.9	0.71988689	▲
PM2.5, filterable	ENGINEERING JUDGMENT	0.0	0	0	▲
PM, condensable	ENGINEERING JUDGMENT	0.0	0	0	▲
Sulfur Dioxide (SO2)	STACK TEST - PRIOR CONTROL	69.58*S	90	1128.32560924314	▲
Lead	STACK TEST - PRIOR CONTROL	0.0916	99.9	0.01433513894	▲
Ammonia	ENGINEERING JUDGMENT	0.0	0	0	▲

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100217 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.21	0	180.852	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	7.65	84.3	1034.34426	▲
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	3.6	53.9	1429.24752	▲

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 10100501

Fuel & Material Data:

Industry Code:	External Combustion Boilers - Electric Generation
Fuel / Process:	Distillate Oil - Grades 1 and 2 Oil
Design Capacity:	313.0 MMBTU/Hour ▲
Max Burner Rating:	2270.0 Gallons/Hour
Summer Day Use:	0.336 1000-Gallons #2 Oil /Day ▲
Annual Usage:	112.2 1000-Gallons #2 Oil /Year ▲
Sulfur Content:	0.24 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	94.0 Hours/Year ▲

Hours of Operation:

Actual Hours/Day: 24 **Actual Days/Week:** 1 ▲ **Actual Weeks/Year:** 4 ▲

Process Start Time:

Process End Time:

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100501 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.3	0	0.01683	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	20.0	84.3	0.176154	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	5.0	53.9	0.1293105	
PM10, primary	STACK TEST - PRIOR CONTROL	1.0	99.9	0.0000561	▲
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM2.5, primary	ENGINEERING JUDGMENT	0.0	99.9	0.0	▲
PM2.5, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM, condensable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
Sulfur Dioxide (SO2)	STACK TEST - PRIOR CONTROL	43.08*S	90	0.058002912	
Lead	STACK TEST - PRIOR CONTROL	0.0012	99.9	0.00000006732	
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	▲

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100501 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.3	0	0.1008	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	20.0	84.3	1.05504	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	5.0	53.9	0.77448	

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 10100601

Fuel & Material Data:

Industry Code:	External Combustion Boilers - Electric Generation
Fuel / Process:	Natural Gas - Boilers > 100 Million Btu/hr except Tangential
Design Capacity:	320.0 MMBTU/Hour ▲
Max Burner Rating:	320.0 Mcf/Hour
Summer Day Use:	0.0 MMcf Natural Gas /Day
Annual Usage:	0.0 MMcf Natural Gas /Year
Sulfur Content:	0.0006 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	0.0 Hours/Year

Hours of Operation:

Actual Hours/Day: 0 ▲ **Actual Days/Week:** 0 ▲ **Actual Weeks/Year:** 0 ▲

Process Start Time:

Process End Time:

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100601 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	1.52	0	0	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	0	84.3	0	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	40.0	53.9	0.0	
PM10, primary	STACK TEST - PRIOR CONTROL	0	99.9	0	
PM10, filterable	EPA EMISSION FACTOR	1.9	0	0	
PM2.5, primary	EPA EMISSION FACTOR	7.6	99.9	0.0	
PM2.5, filterable	EPA EMISSION FACTOR	1.9	0	0	
PM, condensable	EPA EMISSION FACTOR	5.7	0	0	
Sulfur Dioxide (SO2)	STACK TEST - PRIOR CONTROL	0	90	0	
Lead	STACK TEST - PRIOR CONTROL	0	99.9	0	
Ammonia	EPA EMISSION FACTOR	3.2	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

10100601 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	1.52	0	0	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	0	84.3	0	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	40.0	53.9	0.0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

Combustion Unit - CAT EMERGEN DIESEL 3406B

Name:	CAT EMERGEN DIESEL 3406B		
Point ID:	P20	**EU Number:**	5 ▲
Initial Startup Date:	07/17/1995	**Shutdown Date:**	
Revoked Date:	12/02/2002 ▲	**Subject to 3b:**	Yes

Source to Stack:

Stack Number	Stack Name	Percent Flow
3	STACK # 3	100.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 20300101

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Commercial/Institutional
Fuel / Process:	Distillate Oil (Diesel) - Reciprocating
Design Capacity:	3.0 MMBTU/Hour
Max Burner Rating:	21.0 Gallons/Hour
Summer Day Use:	0.08 1000-Gallons #2 Oil /Day ▲
Annual Usage:	0.578 1000-Gallons #2 Oil /Year ▲
Sulfur Content:	0.05 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	141.7 Hours/Year ▲

Hours of Operation:

Actual Hours/Day:	3	**Actual Days/Week:**	2	**Actual Weeks/Year:**	30
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	16.0 % ▲	**Mar-May:**	43.0 % ▲	**Jun-Aug:**	12.0 % ▲	**Sep-Nov:**	29.0 % ▲

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

20300101 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	57.96	0	0.01675044	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	604.0	0	0.174556	
Carbon monoxide (CO)	EPA EMISSION FACTOR	130.0	0	0.03757	
PM10, primary	ENGINEERING JUDGMENT	42.5	0	0.0122825	▲
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM2.5, primary	ENGINEERING JUDGMENT	43.09	0	0.01245301	▲
PM2.5, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	39.7	0	0.0114733	▲
Lead	EPA EMISSION FACTOR	0	0	0	
Ammonia	EPA EMISSION FACTOR	0	0	0	

20300101 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	57.96	0	4.6368	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	604.0	0	48.32	
Carbon monoxide (CO)	EPA EMISSION FACTOR	130.0	0	10.4	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

Combustion Unit - CAT DIESEL 3306B

Name:	CAT DIESEL 3306B		
Point ID:	P21	**EU Number:**	6 ▲
Initial Startup Date:	07/17/1995	**Shutdown Date:**	
Revoked Date:	12/02/2002 ▲	**Subject to 3b:**	Yes

Source to Stack:

Stack Number	Stack Name	Percent Flow
4	STACK # 4	100.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 20100102

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Electric Generation
Fuel / Process:	Distillate Oil (Diesel) - Reciprocating
Design Capacity:	2.0 MMBTU/Hour
Max Burner Rating:	12.0 Gallons/Hour
Summer Day Use:	0.022 1000-Gallons #2 Oil /Day ▲
Annual Usage:	0.115 1000-Gallons #2 Oil /Year ■
Sulfur Content:	0.05 Percent ■ ▲
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	19.7 Hours/Year ▲

Hours of Operation:

Actual Hours/Day:	0 ■	**Actual Days/Week:**	1	**Actual Weeks/Year:**	15 ■
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	20.0 % ▲	**Mar-May:**	25.0 % ▲	**Jun-Aug:**	20.0 % ▲	**Sep-Nov:**	35.0 % ▲

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

20100102 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	57.96	0	0.0033327	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	604.0	0	0.03473	
Carbon monoxide (CO)	EPA EMISSION FACTOR	130.0	0	0.007475	
PM10, primary	ENGINEERING JUDGMENT	42.5	0	0.00244375	▲
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM2.5, primary	ENGINEERING JUDGMENT	43.09	0	0.002477675	▲
PM2.5, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	39.7	0	0.00228275	■ ▲
Lead	EPA EMISSION FACTOR	0	0	0	
Ammonia	EPA EMISSION FACTOR	0	0	0	

20100102 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	57.96	0	1.27512	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	604.0	0	13.288	
Carbon monoxide (CO)	EPA EMISSION FACTOR	130.0	0	2.86	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

Process - LIMESTONE DRYER

Name:	LIMESTONE DRYER		
Point ID:	P14	**EU Number:**	3 & 4 ▲
Initial Startup Date:	09/14/1989	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
6	STACK # 6	100.0 %

Flow Order	Control Name	Control Type
1	PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Control Banks:

PM10, primary — Actual Efficiency: 99.9%

Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	

PM2.5, primary — Actual Efficiency: 99.9%

Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	▲

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 30501604

Fuel & Material Data:

Industry Code:	Industrial Processes - Mineral Products
Fuel / Process:	Lime Manufacture - Calcining: Rotary Kiln ** (See SCC Codes 3-05-016-18,-19,-20,-21)
Actual Annual Process Weight Rate:	54024.7 Tons Lime Mfg-Produced /Year ▲
Summer Day Process Rate:	157.98 Tons Lime Mfg-Produced /Day ▲
Maximum Process Design Weight:	56.7 Tons/Hour
Actual Hours per Year:	2045.0 Hours/Year ▲

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Hours of Operation:

Actual Hours/Day:	5	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	7:00				
Process End Time:	12:00				
Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

30501604 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0	0	0	
Nitrogen oxides (NOx)	ENGINEERING JUDGMENT	0.0	0	0	▲
Carbon monoxide (CO)	ENGINEERING JUDGMENT	0.0	0	0	▲
PM10, primary	STACK TEST - PRIOR CONTROL	59.28	99.9	1.601292108	▲
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0	▲
PM2.5, primary	ENGINEERING JUDGMENT	8.3	99.9	0.224202505	▲
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	EPA EMISSION FACTOR	0	0	0	
Lead	EPA EMISSION FACTOR	0	0	0	
Ammonia	EPA EMISSION FACTOR	0	0	0	

30501604 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0	0	0	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	2.8	0	442.344	▲
Carbon monoxide (CO)	EPA EMISSION FACTOR	2.0	0	315.96	▲

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 39000589

Fuel & Material Data:

Industry Code:	Industrial Processes - In-process Fuel Use
Fuel / Process:	Distillate Oil - General
Design Capacity:	13.8 MMBTU/Hour ▲
Max Burner Rating:	98.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons #2 Oil /Day
Annual Usage:	12.5 1000-Gallons #2 Oil /Year ▲
Sulfur Content:	0.237 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	169.0 Hours/Year ▲

Hours of Operation:

Actual Hours/Day:	5	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	7:00				
Process End Time:	12:00				

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

39000589 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.2	0	0.00125	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	20.0	0	0.125	
Carbon monoxide (CO)	EPA EMISSION FACTOR	5.0	0	0.03125	
PM10, primary	STACK TEST - PRIOR CONTROL	1.0	99.9	0.00000625	▲
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM2.5, primary	ENGINEERING JUDGMENT	0.25	99.9	0.0000015625	▲
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	144.0*S	0	0.2133	▲
Lead	ENGINEERING JUDGMENT	0.0002	0	0.00000125	▲
Ammonia	EPA EMISSION FACTOR	0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

39000589 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.2	0	0	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	20.0	0	0	
Carbon monoxide (CO)	EPA EMISSION FACTOR	5.0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 39000689

Fuel & Material Data:

Industry Code:	Industrial Processes - In-process Fuel Use
Fuel / Process:	Natural Gas - General
Design Capacity:	12.6 MMBTU/Hour ▲
Max Burner Rating:	12.0 Mcf/Hour
Summer Day Use:	0.042 MMcf Natural Gas /Day ▲
Annual Usage:	15.73 MMcf Natural Gas /Year ▲
Sulfur Content:	0.0006 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	2057.0 Hours/Year ▲

Hours of Operation:

Actual Hours/Day:	5	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	7:00				
Process End Time:	12:00				

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

39000689 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	5.94	0	0.0467181	▲
Nitrogen oxides (NOx)	ENGINEERING JUDGMENT	100.0	0	0.7865	▲
Carbon monoxide (CO)	ENGINEERING JUDGMENT	84.0	0	0.66066	▲
PM10, primary	STACK TEST - PRIOR CONTROL	12.0	99.9	0.00009438	▲
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0.0	▲
PM2.5, primary	ENGINEERING JUDGMENT	7.6	99.9	0.000059774	▲
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	0.6	0	0.004719	▲
Lead	ENGINEERING JUDGMENT	0.0005	0	0.0000039325	▲
Ammonia	EPA EMISSION FACTOR	0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

39000689 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0	0	0	▲
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	0	0	0	▲
Carbon monoxide (CO)	EPA EMISSION FACTOR	0	0	0	▲

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

Process - MATL HANDLING SYSTEM

Name:	MATL HANDLING SYSTEM		
Point ID:	P15	**EU Number:**	7 ▲
Initial Startup Date:	09/14/1989	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
2	STACK # 2	100.0 %

Flow Order	Control Name	Control Type
1	PRIMARY PM CONTROL SYSTEM	18 - FABRIC FILTER - TEMP < 180 F

Control Banks:

PM10, primary — Actual Efficiency: 99.9%

Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	18 - FABRIC FILTER - TEMP < 180 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	

PM2.5, primary — Actual Efficiency: 99.9%

Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	18 - FABRIC FILTER - TEMP < 180 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.9%	100.0%	100.0%	99.9%	▲

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

SCC: 39999999

Fuel & Material Data:

Industry Code:	Industrial Processes - Miscellaneous Manufacturing Industries
Fuel / Process:	Miscellaneous Industrial Processes - See Comment **
Actual Annual Process Weight Rate:	839366.0 Tons Misc Proc /Year ▲
Summer Day Process Rate:	2390.9 Tons Misc Proc /Day ▲
Maximum Process Design Weight:	250.0 Tons/Hour
Actual Hours per Year:	3391.0 Hours/Year

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Hours of Operation:

Actual Hours/Day:	15	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	7:00				
Process End Time:	22:00				
Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 107 Premises: 44 Client: 5779 Reporting Period: 2009

39999999 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0	0	0	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	0	0	0	
Carbon monoxide (CO)	EPA EMISSION FACTOR	0	0	0	
PM10, primary	STATE/LOCAL EMISSION FACTOR	11.01	99.9	4.62070983	
PM10, filterable	EPA EMISSION FACTOR	0	0	0	
PM2.5, primary	ENGINEERING JUDGMENT	0.013	99.9	0.005455879	▲
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	EPA EMISSION FACTOR	0	0	0	
Lead	EPA EMISSION FACTOR	0	0	0	
Ammonia	EPA EMISSION FACTOR	0	0	0	

39999999 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0	0	0	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	0	0	0	
Carbon monoxide (CO)	EPA EMISSION FACTOR	0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Notes

From: Raquel Herrera **Date:** 04/27/2010

Subject: Sulfur Dioxide (SO2)

Applies To: Emission Information Tab | Scc Emission - Distillate Oil (Diesel) - Reciprocating

Description: The Sulfur Dioxide (EPA) emission factor is 3.970E1 lb/1000 gallons, please make the necessary changes. Under the Emission Factor Origin column choose “best engineering judgment” and enter the appropriate emission factor.

Attachments:

From: Andrew Walz **Date:** 03/22/2010

Subject: AES Thames LLC

Applies To: Site Ownership Tab | Zip - A E S THAMES, LLC

Description: ZIP Code:
06382-2441

Attachments:

From: Andrew Walz **Date:** 03/22/2010

Subject: AES Thames LLC

Applies To: Site Ownership Tab | Phone Number - A E S THAMES, LLC

Description: Phone Number:
860-848-9223

Attachments:

From: Andrew Walz **Date:** 03/22/2010

Subject: AES Thames LLC

Applies To: Site Ownership Tab | Name - A E S THAMES, LLC

Description: Name:
AES Thames LLC

Attachments:

From: Andrew Walz **Date:** 03/22/2010

Subject: AES Thames LLC

Applies To: Site Information Tab | Zip - A E S THAMES, LLC

Description: ZIP Code:
06382-2441

Attachments:

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

From: Andrew Walz **Date:** 03/22/2010

Subject: AES Thames LLC

Applies To: Site Information Tab | City - A E S THAMES, LLC

Description: City:
Uncasville

Attachments:

From: Andrew Walz **Date:** 03/22/2010

Subject: AES Thames LLC

Applies To: Site Information Tab | Site Name - A E S THAMES, LLC

Description: Site Name:
AES Thames LLC

Attachments:

From: Andrew Walz **Date:** 03/22/2010

Subject: AES Thames LLC

Applies To: Site Information Tab | Longitude - A E S THAMES, LLC

Description: Longitiude:
72,05,48,W

Attachments:

From: Andrew Walz **Date:** 03/22/2010

Subject: AES Thames LLC

Applies To: Site Information Tab | Latitude - A E S THAMES, LLC

Description: Latitude:
41,26,08,N

Attachments:

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 **Premises:** 158 **Client:** 5497 **Reporting Period:** 2009

Site Name: C R R A / MID-CONNECTICUT **Title V Number:** 252

Site Address

Address Line 1: RESERVE-MAXIM RDS

Address Line 2:

City: HARTFORD **State:** Connecticut **ZIP Code:** 06103 - 1722

GPLPE: **Latitude/Longitude:** 41.747446, -72.653551

SIC: (4953) REFUSE SYSTEMS **Subject to 3c:** No

NAICS Sector:

NAICS Sub-Sector:

Company Contact

First Name: PETER W **Last Name:** EGAN

Company: **Type:** Primary Site Contact **Title:** DIR ENV AFRS

Address Line 1: 100 CONSTITUTION PLZ-6FL

Address Line 2:

City: HARTFORD **State:** Connecticut **ZIP Code:** 06103 - 1722

Telephone: (860) 757-7700 **Ext:** 7725 **Fax:** (860) 757-7742

Mobile: **Email:**

Owner

Name: CT RESOURCE RECOVERY AUTHORITY

Address Line 1: 100 CONSTITUTION PLAZA

Address Line 2:

City: HARTFORD **State:** Connecticut **ZIP Code:** 06103

Telephone:

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Site Emissions

Criteria Air Pollutants (CAP)

Pollutant	Actual Emission Amt (tons/yr)
Volatile organic compounds (VOC)	6.2117733
Nitrogen oxides (NOx)	835.826238
Carbon monoxide (CO)	566.324622
PM10, primary	5.96508607
PM10, filterable	0.046075
PM2.5, primary	5.96508607
PM2.5, filterable	0.046075
PM, condensable	0.138225
Sulfur Dioxide (SO2)	20.54419304
Lead	0.02831805216
Ammonia	12.6192645

Summer Day Pollutants

Pollutant	Actual Emission Amt (lbs/day)
Volatile organic compounds (VOC)	33.873
Nitrogen oxides (NOx)	7628.9
Carbon monoxide (CO)	5166.048

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Stack: 6 - STACK # 6			
Stack Number:	6	**Stack Name:**	STACK # 6
Stack Height:	25.0 ft	**Diameter:**	12.5 ft
Elevation at Base:	15.0 ft	**Minimum Flow at Maximum Capacity:**	
Exit Direction:	Vertical	**Lining:**	Metal Lining
Stack Temperature:	750.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.747298, -72.646341	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(R267) P&W FT4A-9 TURBINE 14B		

Stack: 7 - STACK # 7			
Stack Number:	7	**Stack Name:**	STACK # 7
Stack Height:	25.0 ft	**Diameter:**	12.5 ft
Elevation at Base:	15.0 ft	**Minimum Flow at Maximum Capacity:**	
Exit Direction:	Vertical	**Lining:**	Metal Lining
Stack Temperature:	750.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.747298, -72.646341	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(R266) P&W FT4A-9 TURBINE 14A		

Stack: 8 - STACK # 8			
Stack Number:	8	**Stack Name:**	STACK # 8
Stack Height:	25.0 ft	**Diameter:**	12.5 ft
Elevation at Base:	15.0 ft	**Minimum Flow at Maximum Capacity:**	
Exit Direction:	Vertical	**Lining:**	Metal Lining
Stack Temperature:	750.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.747298, -72.646341	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(R265) P&W FT4A-9 TURBINE 13B		

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Stack: 9 - STACK # 9			
Stack Number:	9	**Stack Name:**	STACK # 9
Stack Height:	25.0 ft	**Diameter:**	12.5 ft
Elevation at Base:	15.0 ft	**Minimum Flow at Maximum Capacity:**	
Exit Direction:	Vertical	**Lining:**	Metal Lining
Stack Temperature:	750.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.747298, -72.646341	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(R264) P&W FT4A-9 TURBINE 13A		

Stack: 10 - STACK # 10			
Stack Number:	10	**Stack Name:**	STACK # 10
Stack Height:	25.0 ft	**Diameter:**	12.5 ft
Elevation at Base:	15.0 ft	**Minimum Flow at Maximum Capacity:**	
Exit Direction:	Vertical	**Lining:**	Metal Lining
Stack Temperature:	750.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.747298, -72.646341	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(R263) P&W FT4A-9 TURBINE 12B		

Stack: 11 - STACK # 11			
Stack Number:	11	**Stack Name:**	STACK # 11
Stack Height:	25.0 ft	**Diameter:**	12.5 ft
Elevation at Base:	15.0 ft	**Minimum Flow at Maximum Capacity:**	
Exit Direction:	Vertical	**Lining:**	Metal Lining
Stack Temperature:	750.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.747298, -72.646341	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(R262) P&W FT4A-9 TURBINE 12A		

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Stack: 12 - STACK # 12			
Stack Number:	12	**Stack Name:**	STACK # 12
Stack Height:	25.0 ft	**Diameter:**	12.5 ft
Elevation at Base:	15.0 ft	**Minimum Flow at Maximum Capacity:**	
Exit Direction:	Vertical	**Lining:**	Metal Lining
Stack Temperature:	750.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.747298, -72.646341	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(R261) P&W FT4A-9 TURBINE 11B		

Stack: 13 - STACK # 13			
Stack Number:	13	**Stack Name:**	STACK # 13
Stack Height:	25.0 ft	**Diameter:**	12.5 ft
Elevation at Base:	15.0 ft	**Minimum Flow at Maximum Capacity:**	
Exit Direction:	Vertical	**Lining:**	Metal Lining
Stack Temperature:	750.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.747298, -72.646341	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(R260) P&W FT4A-9 TURBINE 11A		

Stack: 101 - STACK # 101			
Stack Number:	101	**Stack Name:**	STACK # 101
Stack Height:	218.0 ft	**Diameter:**	9.7 ft
Elevation at Base:	31.0 ft	**Minimum Flow at Maximum Capacity:**	
Exit Direction:	Vertical	**Lining:**	Refractory Lining
Stack Temperature:	165.0 °F	**Rain Hat:**	No
Latitude/Longitude:	41.747446, -72.653551	**Maximum Exhaust Flow Rate:**	0 ACFM
Stack Test Date:			
Sources:	(P44) C.E. VU-40 INCIN #1, (P45) C.E. VU-40 INCIN #2, (P46) C.E. VU-40 INCIN #3		

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Combustion Unit - P&W FT4A-9 TURBINE 11A

Name:	P&W FT4A-9 TURBINE 11A		
Point ID:	R260	**EU Number:**	1
Initial Startup Date:	06/01/1970	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
13	STACK # 13	100.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 20100901

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Electric Generation
Fuel / Process:	Kerosene/Naphtha (Jet Fuel) - Turbine
Design Capacity:	255.0 MMBTU/Hour
Max Burner Rating:	1900.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons Kerosene /Day
Annual Usage:	25.3 1000-Gallons Kerosene /Year ■
Sulfur Content:	0.05 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	18.0 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	44.0 % ■	**Mar-May:**	1.0 % ■	**Jun-Aug:**	0.0 % ■	**Sep-Nov:**	55.0 % ■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

20100901 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.05	0	0.0006325	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	105.09	0	1.3293885	■
Carbon monoxide (CO)	ENGINEERING JUDGMENT	0.44	0	0.005566	■
PM10, primary	STACK TEST - PRIOR CONTROL	13.34	0	0.168751	■
PM10, filterable	EPA EMISSION FACTOR	0	0	0	
PM2.5, primary	ENGINEERING JUDGMENT	13.34	0	0.168751	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	6.73	0	0.0851345	■
Lead	ENGINEERING JUDGMENT	0.0019	0	0.000024035	■
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

20100901 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.05	0	0	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	105.09	0	0	■
Carbon monoxide (CO)	EPA EMISSION FACTOR	0.44	0	0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Combustion Unit - P&W FT4A-9 TURBINE 11B

Name:	P&W FT4A-9 TURBINE 11B		
Point ID:	R261	**EU Number:**	2
Initial Startup Date:	06/01/1970	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
12	STACK # 12	100.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 20100901

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Electric Generation
Fuel / Process:	Kerosene/Naphtha (Jet Fuel) - Turbine
Design Capacity:	255.0 MMBTU/Hour
Max Burner Rating:	1900.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons Kerosene /Day
Annual Usage:	25.3 1000-Gallons Kerosene /Year ■
Sulfur Content:	0.05 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	18.0 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	44.0 % ■	**Mar-May:**	1.0 % ■	**Jun-Aug:**	0.0 % ■	**Sep-Nov:**	55.0 % ■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

20100901 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.05	0	0.0006325	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	100.45	0	1.2706925	■
Carbon monoxide (CO)	ENGINEERING JUDGMENT	0.44	0	0.005566	■
PM10, primary	STACK TEST - PRIOR CONTROL	11.27	0	0.1425655	■
PM10, filterable	EPA EMISSION FACTOR	0	0	0	
PM2.5, primary	ENGINEERING JUDGMENT	11.27	0	0.1425655	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	6.73	0	0.0851345	■
Lead	ENGINEERING JUDGMENT	0.0019	0	0.000024035	■
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

20100901 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.05	0	0	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	100.45	0	0	■
Carbon monoxide (CO)	EPA EMISSION FACTOR	0.44	0	0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Combustion Unit - P&W FT4A-9 TURBINE 12A

Name:	P&W FT4A-9 TURBINE 12A		
Point ID:	R262	**EU Number:**	3
Initial Startup Date:	07/01/1970	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
11	STACK # 11	100.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 20100901

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Electric Generation
Fuel / Process:	Kerosene/Naphtha (Jet Fuel) - Turbine
Design Capacity:	255.0 MMBTU/Hour
Max Burner Rating:	1900.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons Kerosene /Day
Annual Usage:	26.4 1000-Gallons Kerosene /Year ■
Sulfur Content:	0.05 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	18.9 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	42.0 % ■	**Mar-May:**	1.0 % ■	**Jun-Aug:**	0.0 % ■	**Sep-Nov:**	57.0 % ■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

20100901 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.05	0	0.00066	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	100.95	0	1.33254	■
Carbon monoxide (CO)	ENGINEERING JUDGMENT	0.44	0	0.005808	■
PM10, primary	STACK TEST - PRIOR CONTROL	9.34	0	0.123288	■
PM10, filterable	EPA EMISSION FACTOR	0	0	0	
PM2.5, primary	ENGINEERING JUDGMENT	9.34	0	0.123288	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	6.73	0	0.088836	■
Lead	ENGINEERING JUDGMENT	0.0019	0	0.00002508	■
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

20100901 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.05	0	0	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	100.95	0	0	■
Carbon monoxide (CO)	EPA EMISSION FACTOR	0.44	0	0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Combustion Unit - P&W FT4A-9 TURBINE 12B

Name:	P&W FT4A-9 TURBINE 12B		
Point ID:	R263	**EU Number:**	4
Initial Startup Date:	07/01/1970	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
10	STACK # 10	100.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 20100901

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Electric Generation
Fuel / Process:	Kerosene/Naphtha (Jet Fuel) - Turbine
Design Capacity:	255.0 MMBTU/Hour
Max Burner Rating:	1900.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons Kerosene /Day
Annual Usage:	26.2 1000-Gallons Kerosene /Year ■
Sulfur Content:	0.05 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	18.8 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	42.0 % ■	**Mar-May:**	1.0 % ■	**Jun-Aug:**	0.0 % ■	**Sep-Nov:**	57.0 % ■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

20100901 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.05	0	0.000655	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	90.82	0	1.189742	■
Carbon monoxide (CO)	ENGINEERING JUDGMENT	0.44	0	0.005764	■
PM10, primary	STACK TEST - PRIOR CONTROL	16.0	0	0.2096	■
PM10, filterable	EPA EMISSION FACTOR	0	0	0	
PM2.5, primary	ENGINEERING JUDGMENT	16.0	0	0.2096	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	6.73	0	0.088163	■
Lead	ENGINEERING JUDGMENT	0.0019	0	0.00002489	■
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

20100901 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.05	0	0	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	90.82	0	0	■
Carbon monoxide (CO)	EPA EMISSION FACTOR	0.44	0	0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Combustion Unit - P&W FT4A-9 TURBINE 13A

Name:	P&W FT4A-9 TURBINE 13A		
Point ID:	R264	**EU Number:**	5
Initial Startup Date:	07/01/1970	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
9	STACK # 9	100.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 20100901

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Electric Generation
Fuel / Process:	Kerosene/Naphtha (Jet Fuel) - Turbine
Design Capacity:	255.0 MMBTU/Hour
Max Burner Rating:	1900.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons Kerosene /Day
Annual Usage:	27.2 1000-Gallons Kerosene /Year ■
Sulfur Content:	0.05 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	19.7 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	44.0 % ■	**Mar-May:**	1.0 % ■	**Jun-Aug:**	0.0 % ■	**Sep-Nov:**	55.0 % ■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

20100901 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.05	0	0.00068	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	106.82	0	1.452752	■
Carbon monoxide (CO)	ENGINEERING JUDGMENT	0.44	0	0.005984	■
PM10, primary	STACK TEST - PRIOR CONTROL	12.0	0	0.1632	■
PM10, filterable	EPA EMISSION FACTOR	0	0	0	
PM2.5, primary	ENGINEERING JUDGMENT	12.0	0	0.1632	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	6.73	0	0.091528	■
Lead	ENGINEERING JUDGMENT	0.0019	0	0.00002584	■
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

20100901 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.05	0	0	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	106.82	0	0	■
Carbon monoxide (CO)	EPA EMISSION FACTOR	0.44	0	0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Combustion Unit - P&W FT4A-9 TURBINE 13B

Name:	P&W FT4A-9 TURBINE 13B		
Point ID:	R265	**EU Number:**	6
Initial Startup Date:	07/01/1970	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
8	STACK # 8	100.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 20100901

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Electric Generation
Fuel / Process:	Kerosene/Naphtha (Jet Fuel) - Turbine
Design Capacity:	255.0 MMBTU/Hour
Max Burner Rating:	1900.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons Kerosene /Day
Annual Usage:	26.9 1000-Gallons Kerosene /Year ■
Sulfur Content:	0.05 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	19.5 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	44.0 % ■	**Mar-May:**	1.0 % ■	**Jun-Aug:**	0.0 % ■	**Sep-Nov:**	55.0 % ■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

20100901 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.05	0	0.0006725	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	102.29	0	1.3758005	■
Carbon monoxide (CO)	ENGINEERING JUDGMENT	0.44	0	0.005918	■
PM10, primary	STACK TEST - PRIOR CONTROL	9.34	0	0.125623	■
PM10, filterable	EPA EMISSION FACTOR	0	0	0	
PM2.5, primary	ENGINEERING JUDGMENT	9.34	0	0.125623	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	6.73	0	0.0905185	■
Lead	ENGINEERING JUDGMENT	0.0019	0	0.000025555	■
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

20100901 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.05	0	0	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	102.29	0	0	■
Carbon monoxide (CO)	EPA EMISSION FACTOR	0.44	0	0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Combustion Unit - P&W FT4A-9 TURBINE 14A

Name:	P&W FT4A-9 TURBINE 14A		
Point ID:	R266	**EU Number:**	7
Initial Startup Date:	07/01/1970	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
7	STACK # 7	100.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 20100901

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Electric Generation
Fuel / Process:	Kerosene/Naphtha (Jet Fuel) - Turbine
Design Capacity:	255.0 MMBTU/Hour
Max Burner Rating:	1900.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons Kerosene /Day
Annual Usage:	23.1 1000-Gallons Kerosene /Year ■
Sulfur Content:	0.05 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	17.7 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	24.0 % ■	**Mar-May:**	10.0 % ■	**Jun-Aug:**	0.0 % ■	**Sep-Nov:**	66.0 % ■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

20100901 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.05	0	0.0005775	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	106.69	0	1.2322695	■
Carbon monoxide (CO)	ENGINEERING JUDGMENT	0.44	0	0.005082	■
PM10, primary	STACK TEST - PRIOR CONTROL	10.67	0	0.1232385	■
PM10, filterable	EPA EMISSION FACTOR	0	0	0	
PM2.5, primary	ENGINEERING JUDGMENT	10.67	0	0.1232385	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	6.73	0	0.0777315	■
Lead	ENGINEERING JUDGMENT	0.0019	0	0.000021945	■
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

20100901 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.05	0	0	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	106.69	0	0	■
Carbon monoxide (CO)	EPA EMISSION FACTOR	0.44	0	0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Combustion Unit - P&W FT4A-9 TURBINE 14B

Name:	P&W FT4A-9 TURBINE 14B		
Point ID:	R267	**EU Number:**	8
Initial Startup Date:	07/01/1970	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
6	STACK # 6	100.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 20100901

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Electric Generation
Fuel / Process:	Kerosene/Naphtha (Jet Fuel) - Turbine
Design Capacity:	255.0 MMBTU/Hour
Max Burner Rating:	1900.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons Kerosene /Day
Annual Usage:	23.3 1000-Gallons Kerosene /Year ■
Sulfur Content:	0.05 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	17.8 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	24.0 % ■	**Mar-May:**	10.0 % ■	**Jun-Aug:**	0.0 % ■	**Sep-Nov:**	66.0 % ■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

20100901 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.05	0	0.0005825	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	90.68	0	1.056422	■
Carbon monoxide (CO)	ENGINEERING JUDGMENT	0.44	0	0.005126	■
PM10, primary	STACK TEST - PRIOR CONTROL	10.67	0	0.1243055	■
PM10, filterable	EPA EMISSION FACTOR	0	0	0	
PM2.5, primary	ENGINEERING JUDGMENT	10.67	0	0.1243055	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	6.73	0	0.0784045	■
Lead	ENGINEERING JUDGMENT	0.0019	0	0.000022135	■
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

20100901 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0.05	0	0	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	90.68	0	0	■
Carbon monoxide (CO)	EPA EMISSION FACTOR	0.44	0	0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Incinerator - C.E. VU-40 INCIN #1

Name:	C.E. VU-40 INCIN #1		
Point ID:	P44	**EU Number:**	
Initial Startup Date:	09/04/1987	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
101	STACK # 101	100.0 %

Flow Order	Control Name	Control Type
1	PRIMARY NOX CONTROL SYSTEM	32 - AMMONIA INJECTION
2	PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
3	PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
4	PRIMARY SOX CONTROL SYSTEM	13 - GAS SCRUBBER

Control Banks:

PM10, primary	Actual Efficiency: 99.8%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.8%	100.0%	100.0%	99.8%	

PM2.5, primary	Actual Efficiency: 99.8%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.8%	100.0%	100.0%	99.8%	■

Sulfur Dioxide (SO2)	Actual Efficiency: 98.6%
Control Name	Control Type
PRIMARY SOX CONTROL SYSTEM	13 - GAS SCRUBBER

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
98.6%	100.0%	100.0%	98.6%	

Lead	Actual Efficiency: 99.8%
Control Name	Control Type
PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.8%	100.0%	100.0%	99.8%	

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 50100103

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Fuel & Material Data:

Industry Code: Waste Disposal - Solid Waste Disposal - Government

Fuel / Process: Municipal Incineration - Refuse Derived Fuel

Design Capacity:

Max Burner Rating:

Summer Day Use:

Annual Usage:

Sulfur Content: 0.0 Percent

Percent Ash: 0.0 Percent

Actual Hours per Year Fuel Use: 7774.8 Hours/Year

Hours of Operation:

Actual Hours/Day: 24 **Actual Days/Week:** 7 **Actual Weeks/Year:** 52

Process Start Time: 0:00

Process End Time: 24:00:00

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

50100103 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.018	0	1.9493019	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	267.9	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	200.9	■
PM10, primary	STACK TEST - PRIOR CONTROL	6.63	99.8	1.435985733	■
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0	■
PM2.5, primary	STACK TEST - PRIOR CONTROL	6.63	99.8	1.435985733	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	98.6	3.85	■
Lead	STACK TEST - PRIOR CONTROL	0.0166	99.8	0.00359537906	■
Ammonia	STACK TEST - PRIOR CONTROL	0.048	0	5.1981384	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

50100103 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.018	0	10.6812	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 10100602

Fuel & Material Data:

Industry Code:	External Combustion Boilers - Electric Generation
Fuel / Process:	Natural Gas - Boilers < 100 Million Btu/hr except Tangential
Design Capacity:	40.0 MMBTU/Hour ■
Max Burner Rating:	0.0 Mcf/Hour
Summer Day Use:	0.018 MMcf Natural Gas /Day ■
Annual Usage:	7.76 MMcf Natural Gas /Year ■
Sulfur Content:	0.0006 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	194.0 Hours/Year

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	0:00				
Process End Time:	24:00:00				

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

10100602 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	5.5	0	0.02134	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	0.388	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	0.32592	■
PM10, primary	STACK TEST - PRIOR CONTROL	7.6	99.8	0.000058976	■
PM10, filterable	EPA EMISSION FACTOR	1.9	0	0.007372	
PM2.5, primary	EPA EMISSION FACTOR	7.6	99.8	0.000058976	
PM2.5, filterable	EPA EMISSION FACTOR	1.9	0	0.007372	
PM, condensable	EPA EMISSION FACTOR	5.7	0	0.022116	
Sulfur Dioxide (SO2)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	98.6	0.000032592	■
Lead	STACK TEST - PRIOR CONTROL	0.0005	99.8	0.00000000388	■
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

10100602 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	5.5	0	0.099	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Incinerator - C.E. VU-40 INCIN #2

Name:	C.E. VU-40 INCIN #2		
Point ID:	P45	**EU Number:**	
Initial Startup Date:	09/04/1987	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
101	STACK # 101	100.0 %

Flow Order	Control Name	Control Type
1	PRIMARY NOX CONTROL SYSTEM	32 - AMMONIA INJECTION
2	PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
3	PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
4	PRIMARY SOX CONTROL SYSTEM	13 - GAS SCRUBBER

Control Banks:

PM10, primary	Actual Efficiency: 99.8%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.8%	100.0%	100.0%	99.8%	

PM2.5, primary	Actual Efficiency: 99.8%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.8%	100.0%	100.0%	99.8%	■

Sulfur Dioxide (SO2)	Actual Efficiency: 98.6%
Control Name	Control Type
PRIMARY SOX CONTROL SYSTEM	13 - GAS SCRUBBER

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
98.6%	100.0%	100.0%	98.6%	

Lead	Actual Efficiency: 99.8%
Control Name	Control Type
PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.8%	100.0%	100.0%	99.8%	

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 50100103

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Fuel & Material Data:

Industry Code: Waste Disposal - Solid Waste Disposal - Government

Fuel / Process: Municipal Incineration - Refuse Derived Fuel

Design Capacity:

Max Burner Rating:

Summer Day Use:

Annual Usage:

Sulfur Content: 0.0 Percent

Percent Ash: 0.0 Percent

Actual Hours per Year Fuel Use: 7723.5 Hours/Year

Hours of Operation:

Actual Hours/Day: 24 **Actual Days/Week:** 7 **Actual Weeks/Year:** 52

Process Start Time: 0:00

Process End Time: 24:00:00

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

50100103 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.017	0	2.11141275	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	289.3877475	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	180.0910875	■
PM10, primary	STACK TEST - PRIOR CONTROL	10.4	99.8	2.5833756	■
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0	■
PM2.5, primary	STACK TEST - PRIOR CONTROL	10.4	99.8	2.5833756	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	98.6	4.642624035	■
Lead	STACK TEST - PRIOR CONTROL	0.077	99.8	0.0191269155	■
Ammonia	STACK TEST - PRIOR CONTROL	0.033	0	4.09862475	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

50100103 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.017	0	11.5702	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 10100602

Fuel & Material Data:

Industry Code:	External Combustion Boilers - Electric Generation
Fuel / Process:	Natural Gas - Boilers < 100 Million Btu/hr except Tangential
Design Capacity:	40.0 MMBTU/Hour ■
Max Burner Rating:	0.0 Mcf/Hour
Summer Day Use:	0.018 MMcf Natural Gas /Day ■
Annual Usage:	8.9 MMcf Natural Gas /Year
Sulfur Content:	0.0006 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	223.0 Hours/Year

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	0:00				
Process End Time:	24:00:00				

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

10100602 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	5.5	0	0.024475	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	0.445	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	0.3738	■
PM10, primary	STACK TEST - PRIOR CONTROL	7.6	99.8	0.00006764	■
PM10, filterable	EPA EMISSION FACTOR	1.9	0	0.008455	
PM2.5, primary	EPA EMISSION FACTOR	7.6	99.8	0.00006764	
PM2.5, filterable	EPA EMISSION FACTOR	1.9	0	0.008455	
PM, condensable	EPA EMISSION FACTOR	5.7	0	0.025365	
Sulfur Dioxide (SO2)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	98.6	0.000003738	■
Lead	STACK TEST - PRIOR CONTROL	0.0005	99.8	0.00000000445	
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

10100602 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	5.5	0	0.099	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Incinerator - C.E. VU-40 INCIN #3

Name:	C.E. VU-40 INCIN #3		
Point ID:	P46	**EU Number:**	
Initial Startup Date:	09/04/1987	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
101	STACK # 101	100.0 %

Flow Order	Control Name	Control Type
1	PRIMARY NOX CONTROL SYSTEM	32 - AMMONIA INJECTION
2	PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
3	PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
4	PRIMARY SOX CONTROL SYSTEM	13 - GAS SCRUBBER

Control Banks:

PM10, primary	Actual Efficiency: 99.8%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.8%	100.0%	100.0%	99.8%	

PM2.5, primary	Actual Efficiency: 99.8%
Control Name	Control Type
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.8%	100.0%	100.0%	99.8%	■

Sulfur Dioxide (SO2)	Actual Efficiency: 96.3%
Control Name	Control Type
PRIMARY SOX CONTROL SYSTEM	13 - GAS SCRUBBER

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
96.3%	100.0%	100.0%	96.3%	

Lead	Actual Efficiency: 99.8%
Control Name	Control Type
PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.8%	100.0%	100.0%	99.8%	

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 50100103

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Fuel & Material Data:

Industry Code: Waste Disposal - Solid Waste Disposal - Government

Fuel / Process: Municipal Incineration - Refuse Derived Fuel

Design Capacity:

Max Burner Rating:

Summer Day Use:

Annual Usage:

Sulfur Content: 0.0 Percent

Percent Ash: 0.0 Percent

Actual Hours per Year Fuel Use: 7598.0 Hours/Year

Hours of Operation:

Actual Hours/Day: 24 **Actual Days/Week:** 7 **Actual Weeks/Year:** 52

Process Start Time: 0:00

Process End Time: 24:00:00

Seasonal Use: Dec-Feb: 25.0 % **Mar-May:** 25.0 % **Jun-Aug:** 25.0 % **Sep-Nov:** 25.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

50100103 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.019	0	2.01259115	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	265.8738835	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	183.2517205	■
PM10, primary	STACK TEST - PRIOR CONTROL	3.61	99.8	0.764784637	■
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0	■
PM2.5, primary	STACK TEST - PRIOR CONTROL	3.61	99.8	0.764784637	■
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	96.3	11.365843705	■
Lead	STACK TEST - PRIOR CONTROL	0.0255	99.8	0.00540221835	■
Ammonia	STACK TEST - PRIOR CONTROL	0.031	0	3.28370135	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

50100103 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.019	0	11.0276	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

SCC: 10100602

Fuel & Material Data:

Industry Code:	External Combustion Boilers - Electric Generation
Fuel / Process:	Natural Gas - Boilers < 100 Million Btu/hr except Tangential
Design Capacity:	40.0 MMBTU/Hour ■
Max Burner Rating:	0.0 Mcf/Hour
Summer Day Use:	0.018 MMcf Natural Gas /Day ■
Annual Usage:	7.59 MMcf Natural Gas /Year ■
Sulfur Content:	0.0006 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	190.0 Hours/Year

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	0:00				
Process End Time:	24:00:00				

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

10100602 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	5.5	0	0.0208725	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	0.3795	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	0.31878	■
PM10, primary	STACK TEST - PRIOR CONTROL	7.6	99.8	0.000057684	■
PM10, filterable	EPA EMISSION FACTOR	1.9	0	0.0072105	
PM2.5, primary	EPA EMISSION FACTOR	7.6	99.8	0.000057684	
PM2.5, filterable	EPA EMISSION FACTOR	1.9	0	0.0072105	
PM, condensable	EPA EMISSION FACTOR	5.7	0	0.0216315	
Sulfur Dioxide (SO2)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	96.3	0.000084249	■
Lead	STACK TEST - PRIOR CONTROL	0.0005	99.8	0.000000003795	
Ammonia	ENGINEERING JUDGMENT	0.0	0	0.0	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

10100602 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/MMcf)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	5.5	0	0.099	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0		■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 75 Premises: 158 Client: 5497 Reporting Period: 2009

Notes

From: Ronald Freeto **Date:** 03/15/2010

Subject: Emission Statement rejection

Applies To: Site Information Tab - C R R A / MID-CONNECTICUT

Description: Refer to my previous email

Attachments:

From: MidConn Yates **Date:** 02/24/2010

Subject: Title V Permit Number

Applies To: Site Information Tab - C R R A / MID-CONNECTICUT

Description: The Mid-Ct facility's Title V Permit No. is 0245. Not 252.

Attachments:

From: MidConn Yates **Date:** 02/19/2010

Subject: Notes for Jet Peaking Units

Applies To: Site Information Tab - C R R A / MID-CONNECTICUT

Description: The EMIT system would not allow me to attach a note to any of the screens pertaiing to the Jets. Thus, I have included them here.

Attachments:

From: MidConn Yates **Date:** 02/19/2010

Subject: Emission Factors for Jet Peaking Units

Applies To: Site Information Tab - C R R A / MID-CONNECTICUT

Description: The "Engineering Judgement" designation was used to classify the emission factors used for all pollutants other than NOx and PM10. the values are taken from AP-42, Sec. 3.1, 4/00.

Attachments:

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 **Premises:** 5 **Client:** 5830 **Reporting Period:** 2009

Site Name: EXETER ENERGY L.P. **Title V Number:** 6

Site Address

Address Line 1: 10 EXETER DR, STERLING IND PRK

Address Line 2:

City: STERLING **State:** Connecticut **ZIP Code:** 06377

GPLPE: **Latitude/Longitude:** 41.709691, -71.822223

SIC: (4931) ELECTRIC & OTHER SERVICES COMBINED **Subject to 3c:** No

NAICS Sector:

NAICS Sub-Sector:

Company Contact

First Name: MARSAL **Last Name:** MARTIN

Company: **Type:** Primary Site Contact **Title:** PLANT ENGR

Address Line 1: PO BOX 188

Address Line 2:

City: STERLING **State:** Connecticut **ZIP Code:** 06377

Telephone: (860) 564-7000 **Ext:** **Fax:**

Mobile: **Email:**

Owner

Name: EXETER ENERGY

Address Line 1: 1ENERGY PLAZA

Address Line 2:

City: JACKSON **State:** Michigan **ZIP Code:** 49201

Telephone:

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

Site Emissions

Criteria Air Pollutants (CAP)

Pollutant	Actual Emission Amt (tons/yr)
Volatile organic compounds (VOC)	4.9626107778
Nitrogen oxides (NOx)	82.126
Carbon monoxide (CO)	70.8605
PM10, primary	0.0362911485
PM10, filterable	0.0743128
PM2.5, primary	0.0
PM2.5, filterable	0.031875
PM, condensable	0.0
Sulfur Dioxide (SO2)	78.499775
Lead	0.0435493782
Ammonia	66.4578

Summer Day Pollutants

Pollutant	Actual Emission Amt (lbs/day)
Volatile organic compounds (VOC)	23275.992
Nitrogen oxides (NOx)	36.623
Carbon monoxide (CO)	27.827

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Error: Subreport could not be shown.

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

Combustion Unit - CUMMINS 1100KTA52DGS DIESEL #1

Name:	CUMMINS 1100KTA52DGS DIESEL #1		
Point ID:	P3	**EU Number:**	3
Initial Startup Date:	06/01/1991	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
2	STACK # 2	100.0 %

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

SCC: 20200102

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Industrial
Fuel / Process:	Distillate Oil (Diesel) - Reciprocating
Design Capacity:	11.0 MMBTU/Hour
Max Burner Rating:	82.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons #2 Oil /Day
Annual Usage:	0.0 1000-Gallons #2 Oil /Year
Sulfur Content:	0.5 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	0.0 Hours/Year

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	1	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

20200102 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0	0	0	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	604.0	0	0	
Carbon monoxide (CO)	EPA EMISSION FACTOR	130.0	0	0	
PM10, primary	ENGINEERING JUDGMENT	0.0	0	0.0	■
PM10, filterable	EPA EMISSION FACTOR	42.5	0	0	
PM2.5, primary	EPA EMISSION FACTOR	0	0	0	
PM2.5, filterable	EPA EMISSION FACTOR	42.5	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	39.7	0	0	■
Lead	EPA EMISSION FACTOR	0	0	0	
Ammonia	EPA EMISSION FACTOR	0	0	0	

20200102 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	0	0	0	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	604.0	0	0	
Carbon monoxide (CO)	EPA EMISSION FACTOR	130.0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

Combustion Unit - CUMMINS 1100KTA52DS DIESEL #2

Name:	CUMMINS 1100KTA52DS DIESEL #2		
Point ID:	P4	**EU Number:**	4
Initial Startup Date:	06/01/1991	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
3	STACK # 3	100.0 %

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

SCC: 20200102

Fuel & Material Data:

Industry Code:	Internal Combustion Engines - Industrial
Fuel / Process:	Distillate Oil (Diesel) - Reciprocating
Design Capacity:	11.0 MMBTU/Hour
Max Burner Rating:	82.0 Gallons/Hour
Summer Day Use:	0.0 1000-Gallons #2 Oil /Day
Annual Usage:	1.5 1000-Gallons #2 Oil /Year
Sulfur Content:	0.5 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	19.0 Hours/Year

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	1	**Actual Weeks/Year:**	52
Process Start Time:					
Process End Time:					

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

20200102 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	57.96	0	0.04347	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	604.0	0	0.453	
Carbon monoxide (CO)	EPA EMISSION FACTOR	130.0	0	0.0975	
PM10, primary	EPA EMISSION FACTOR	0	0	0	
PM10, filterable	EPA EMISSION FACTOR	42.5	0	0.031875	
PM2.5, primary	EPA EMISSION FACTOR	0	0	0	
PM2.5, filterable	EPA EMISSION FACTOR	42.5	0	0.031875	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	ENGINEERING JUDGMENT	39.7	0	0.029775	■ ▲
Lead	EPA EMISSION FACTOR	0	0	0	
Ammonia	EPA EMISSION FACTOR	0	0	0	

20200102 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	EPA EMISSION FACTOR	57.96	0	0	
Nitrogen oxides (NOx)	EPA EMISSION FACTOR	604.0	0	0	
Carbon monoxide (CO)	EPA EMISSION FACTOR	130.0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

Incinerator - STANDARD KESSL INC/BLR #1

Name:	STANDARD KESSL INC/BLR #1		
Point ID:	P1	**EU Number:**	1
Initial Startup Date:	07/27/1991	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
1	STACK # 1	100.0 %

Flow Order	Control Name	Control Type
1	PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
2	PRIMARY NOX CONTROL SYSTEM	32 - AMMONIA INJECTION
3	PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
4	PRIMARY SOX CONTROL SYSTEM	67 - WET LIME SLURRY SCRUBBING
5	SECONDARY PM CONTROL SYSTEM	12 - ELECTROSTATIC PRECIPITATOR - EFF < 80%

Control Banks:

Nitrogen oxides (NOx)	Actual Efficiency: 50.0%
Control Name	**Control Type**
PRIMARY NOX CONTROL SYSTEM	32 - AMMONIA INJECTION

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
50.0%	100.0%	100.0%	50.0%	

PM10, primary	Actual Efficiency: 99.0%
Control Name	**Control Type**
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
SECONDARY PM CONTROL SYSTEM	12 - ELECTROSTATIC PRECIPITATOR - EFF < 80%

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.0%	100.0%	100.0%	99.0%	

Sulfur Dioxide (SO2)	Actual Efficiency: 95.0%
Control Name	**Control Type**
PRIMARY SOX CONTROL SYSTEM	67 - WET LIME SLURRY SCRUBBING

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
95.0%	100.0%	100.0%	95.0%	

Lead	Actual Efficiency: 99.0%
Control Name	**Control Type**
PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.0%	100.0%	100.0%	99.0%	

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

SCC: 50100101

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Fuel & Material Data:

Industry Code:	Waste Disposal - Solid Waste Disposal - Government
Fuel / Process:	Municipal Incineration - Starved Air: Multiple Chamber
Actual Annual Process Weight Rate:	36921.0 Tons Burned Muni Incinerator /Year ■
Summer Day Process Rate:	150.0 Tons Burned Muni Incinerator /Day ■
Maximum Process Design Weight:	6.25 Tons/Hour
Actual Hours per Year:	6540.0 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	0:00				
Process End Time:	23:59				

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

50100101 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.1348	0	2.4884754	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	50	39.363	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	40.498	■
PM10, primary	STACK TEST - AFTER CONTROL	0.001	99	0	■
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0	■ ▲
PM2.5, primary	EPA EMISSION FACTOR	0	0	0	
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	95	37.4	■ ▲
Lead	STACK TEST - AFTER CONTROL	0.0012	99	0	■
Ammonia	STACK TEST - AFTER CONTROL	3.6	0	66.4578	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

50100101 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.1348	0	20.22	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	50	18.303	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	13.894	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

SCC: 39001089

Fuel & Material Data:

Industry Code:	Industrial Processes - In-process Fuel Use
Fuel / Process:	Liquified Petroleum Gas - General
Design Capacity:	48.0 MMBTU/Hour ■
Max Burner Rating:	181.0 Gallons/Hour
Summer Day Use:	43028.8 1000-Gallons Liquid Petroleum Gas /Day ■
Annual Usage:	100.348 1000-Gallons Liquid Petroleum Gas /Year ■
Sulfur Content:	0.0012 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	509.25 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	0:00				
Process End Time:	23:59				

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

39001089 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.54	0	0.02709396	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	0.0	50	0.0	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	0.0	0	0.0	
PM10, primary	STACK TEST - PRIOR CONTROL	0	99	0	
PM10, filterable	EPA EMISSION FACTOR	0.4	0	0.0200696	
PM2.5, primary	EPA EMISSION FACTOR	0	0	0	
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	STACK TEST - PRIOR CONTROL	0.0000000*S	95	0.0	
Lead	STACK TEST - PRIOR CONTROL	0.0	99	0.0	
Ammonia	EPA EMISSION FACTOR	0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

39001089 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.54	0	23235.552	■
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	0.0	50	0.0	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	0.0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

Incinerator - STANDARD KESSL INC/BLR #2

Name:	STANDARD KESSL INC/BLR #2		
Point ID:	P2	**EU Number:**	2
Initial Startup Date:	07/27/1991	**Shutdown Date:**	
Revoked Date:		**Subject to 3b:**	No

Source to Stack:

Stack Number	Stack Name	Percent Flow
1	STACK # 1	100.0 %

Flow Order	Control Name	Control Type
1	PRIMARY NOX CONTROL SYSTEM	32 - AMMONIA INJECTION
2	PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
3	PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
4	PRIMARY SOX CONTROL SYSTEM	67 - WET LIME SLURRY SCRUBBING
5	SECONDARY PM CONTROL SYSTEM	12 - ELECTROSTATIC PRECIPITATOR - EFF < 80%

Control Banks:

Nitrogen oxides (NOx)	Actual Efficiency: 50.0%
Control Name	**Control Type**
PRIMARY NOX CONTROL SYSTEM	32 - AMMONIA INJECTION

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
50.0%	100.0%	100.0%	50.0%	

PM10, primary	Actual Efficiency: 99.0%
Control Name	**Control Type**
PRIMARY PM CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F
SECONDARY PM CONTROL SYSTEM	12 - ELECTROSTATIC PRECIPITATOR - EFF < 80%

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.0%	100.0%	100.0%	99.0%	

Sulfur Dioxide (SO2)	Actual Efficiency: 95.0%
Control Name	**Control Type**
PRIMARY SOX CONTROL SYSTEM	67 - WET LIME SLURRY SCRUBBING

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
95.0%	100.0%	100.0%	95.0%	

Lead	Actual Efficiency: 99.0%
Control Name	**Control Type**
PRIMARY LEAD CONTROL SYSTEM	17 - FABRIC FILTER - 180 F < TEMP < 250 F

Rated Efficiency	Captured Efficiency	Adjustments for Malfunction (Effectiveness)	Actual Efficiency	
99.0%	100.0%	100.0%	99.0%	

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

SCC: 50100101

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Fuel & Material Data:

Industry Code:	Waste Disposal - Solid Waste Disposal - Government
Fuel / Process:	Municipal Incineration - Starved Air: Multiple Chamber
Actual Annual Process Weight Rate:	35661.297 Tons Burned Muni Incinerator /Year ■
Summer Day Process Rate:	150.0 Tons Burned Muni Incinerator /Day ■
Maximum Process Design Weight:	6.25 Tons/Hour
Actual Hours per Year:	6718.3 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	0:00 ■ ▲				
Process End Time:	23:59 ■				

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

50100101 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.1348	0	2.4035714178	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	50	42.31	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	30.265	■
PM10, primary	STACK TEST - AFTER CONTROL	0.001	99	0	■
PM10, filterable	ENGINEERING JUDGMENT	0.0	0	0	■ ▲
PM2.5, primary	EPA EMISSION FACTOR	0	0	0	
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	95	41.07	■
Lead	STACK TEST - AFTER CONTROL	0.0012	99	0	■
Ammonia	EPA EMISSION FACTOR	0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

50100101 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/Tons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	ENGINEERING JUDGMENT	0.1348	0	20.22	■
Nitrogen oxides (NOx)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	50	18.32	■
Carbon monoxide (CO)	CEMS - CONTINUOUS EMISSION MONITORING SYSTEM	0	0	13.933	■

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

SCC: 39001089

Fuel & Material Data:

Industry Code:	Industrial Processes - In-process Fuel Use
Fuel / Process:	Liquified Petroleum Gas - General
Design Capacity:	48.0 MMBTU/Hour ■
Max Burner Rating:	181.0 Gallons/Hour
Summer Day Use:	52.1 1000-Gallons Liquid Petroleum Gas /Day ■
Annual Usage:	111.841 1000-Gallons Liquid Petroleum Gas /Year ■
Sulfur Content:	0.0012 Percent
Percent Ash:	0.0 Percent
Actual Hours per Year Fuel Use:	521.0 Hours/Year ■

Hours of Operation:

Actual Hours/Day:	24	**Actual Days/Week:**	7	**Actual Weeks/Year:**	52
Process Start Time:	0:00 ■ ▲				
Process End Time:	23:59 ■				

Seasonal Use: Dec-Feb:	25.0 %	**Mar-May:**	25.0 %	**Jun-Aug:**	25.0 %	**Sep-Nov:**	25.0 %

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

39001089 - Criteria Air Pollutants (CAP)

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (tons/yr)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.0	0	0.0	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	0.0	50	0.0	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	0.0	0	0.0	
PM10, primary	STACK TEST - PRIOR CONTROL	0	99	0	
PM10, filterable	EPA EMISSION FACTOR	0.4	0	0.0223682	
PM2.5, primary	EPA EMISSION FACTOR	0	0	0	
PM2.5, filterable	EPA EMISSION FACTOR	0	0	0	
PM, condensable	EPA EMISSION FACTOR	0	0	0	
Sulfur Dioxide (SO2)	STACK TEST - PRIOR CONTROL	0.0000000*S	95	0.0	
Lead	STACK TEST - PRIOR CONTROL	0.0	99	0.0	
Ammonia	EPA EMISSION FACTOR	0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Emission Statement

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

39001089 - Summer Day Pollutants

Pollutant	Emission Factor Origin	Emission Factor(lbs/ 1000 -Gallons)	Actual Control % Efficiency	Actual Emission Amt (lbs/day)	
Volatile organic compounds (VOC)	STACK TEST - PRIOR CONTROL	0.0	0	0	
Nitrogen oxides (NOx)	STACK TEST - PRIOR CONTROL	0.0	50	0.0	
Carbon monoxide (CO)	STACK TEST - PRIOR CONTROL	0.0	0	0	

■ = Data was Modified. ▲ = Modification request was Acknowledged.

Town: 176 Premises: 5 Client: 5830 Reporting Period: 2009

Notes

From: Internal Kallath **Date:** 04/27/2010

Subject: PM10, filterable

Applies To: Emission Information Tab | Scc Emission - Municipal Incineration - Starved Air: Multiple Chamber

Description: Please change the emission factor origin to " Engineering Judgment". Put the emission factor as" Zero" since the PM10 Primary EF- Stack Test is 0.001lb/tons, PM10, filterable should be less than that.

Attachments:

From: Internal Kallath **Date:** 04/27/2010

Subject: PM10, filterable

Applies To: Emission Information Tab | Scc Emission - Municipal Incineration - Starved Air: Multiple Chamber

Description: Please change the emission factor origin to " Engineering Judgment". Put the emission factor as" Zero" since the PM10 Primary EF- Stack Test is 0.001lb/tons, PM10, filterable should be less than that.

Attachments:

From: Internal Kallath **Date:** 04/27/2010

Subject: Sulfur Dioxide (SO2)

Applies To: Emission Information Tab | Scc Emission - Municipal Incineration - Starved Air: Multiple Chamber

Description: 78.47 TPY should be distributed between two incinerators if it is the total for the plant.

Attachments:

From: Internal Kallath **Date:** 04/27/2010

Subject: Sulfur Dioxide (SO2)

Applies To: Emission Information Tab | Scc Emission - Distillate Oil (Diesel) - Reciprocating

Description: The emission factor origin should be changed to "Best Engineering Judgment". Please use SOX emission factor from FIRE- 39.7 lbs/1000gal.

Attachments:

From: Marsal Martin **Date:** 04/14/2010

Subject: Sulfur Dioxide (SO2)

Applies To: Site Emissions Tab | Site Emission - Sulfur Dioxide (SO2)

Description: 2009 SO2 emissions totaled 78.47 tons for the plant

Attachments:

■ = Data was Modified. ▲ = Modification request was Acknowledged.