New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): MANCHESTER RENEWABLE POWER CO **Facility ID (AIMS):** 78901

Street Address: RT 70
LAKEHURST, NJ 08733

Mailing Address: P O BOX 320
LAKEHURST, NJ 08733

State Plane Coordinates:
X-Coordinate:
Y-Coordinate:
Units:

Datum:
Source Org.:
Source Type:

County: Ocean
Location Description:

Industry:
Primary SIC:
Secondary SIC:
NAICS:

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: BOP - Operating Permits

Organization: Manchester Renewable Power Corporation/LES
Org. Type: Corporation
Name: Mike Laframboise
NJ EIN:
Title: Project Commissioning/Operations Manager
Phone: (732) 657-6285 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email:
Mailing Address: PO Box 320
Route 70
Lakehurst, NJ 08733

Contact Type: Consultant

Organization: Derenzo and Associates
Org. Type: Corporation
Name: David Derenzo
NJ EIN:
Title: President
Phone: (734) 464-3880 x
Fax: (734) 464-4368 x
Other: ( ) - x
Type:
Email:
Mailing Address: 39201 Schoolcraft, Suite B-10
Livonia, MI 48150

Contact Type: On-Site Manager

Organization: Manchester Renewable Power Corporation/LES
Org. Type: Corporation
Name: Mike Laframboise
NJ EIN:
Title: Project Commissioning/Operations Manager
Phone: (732) 657-6285 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email:
Mailing Address: PO Box 320
Route 70
Lakehurst, NJ 08733

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Operator

Organization: Manchester Renewable Power Corporation/LES **Org. Type:** Corporation

Name: Tony Aiello **NJ EIN:**

Title: Plant Operator

Phone: (732) 657-6285 x **Mailing Address:** P.O. Box 320 Lakehurst, NJ 08733

Fax: ( ) - x

Other: ( ) - x

Type:

Email:

Contact Type: Owner (Current Primary)

Organization: Manchester Renewable Power Corporation/LES **Org. Type:** Corporation

Name: Scott Salisbury **NJ EIN:**

Title: President

Phone: (248) 380-3920 x **Mailing Address:** 29261 Wall Street Wixom, MI 48393

Fax: ( ) - x

Other: ( ) - x

Type:

Email:

Contact Type: Responsible Official

Organization: Manchester Renewable Power Corporation/LES **Org. Type:** Corporation

Name: Scott Salisbury **NJ EIN:**

Title: President

Phone: (248) 380-3920 x **Mailing Address:** 29261 Wall Street Wixom, MI 48393

Fax: ( ) - x

Other: ( ) - x

Type:

Email:

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: **Responsible Party**

Organization: Manchester Renewable Power Corporation/LES

Org. Type: Corporation

Name: Scott Salisbury

NJ EIN:

Title: President

Phone: (248) 380-3920 x

Mailing Address: 29261 Wall Street
Wixom, MI 48393

Fax: ( ) - x

Other: ( ) - x

Type:

Email:

New Jersey Department of Environmental Protection
Facility Profile (Permitting)

. Is this facility classified as a small business by the USEPA?	No
:. Is this facility subject to N.J.A.C. 7:27-22?	Yes
;. Are you voluntarily subjecting this facility to the requirements of Subchapter 22?	No
l. Has a copy of this application been sent to the USEPA?	Yes
;. If not, has the EPA waived the requirement?	
;. Are you claiming any portion of this application to be confidential?	No
'. Is the facility an existing major facility?	Yes
;. Have you submitted a netting analysis?	Yes
). Are emissions of any pollutant above the SOTA threshold?	Yes
0. Have you submitted a SOTA analysis?	Yes

1. If you answered "Yes" to Question 9 and "No" to Question 10, explain why
1 SOTA analysis was not required

2. Have you provided, or are you planning to provide air contaminant modeling?	Yes

Air Contaminant(s)	
Name	CAS Number
Carbon monoxide	
Nitrogen oxides (NOx)	
Particulate matter, <=10um	

MANCHESTER RENEWABLE POWER CORP LES (78901)

Date: 09/28/2009

New Jersey Department of Environmental Protection
Non-Source Fugitive Emissions

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1											
Total			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

New Jersey Department of Environmental Protection
Insignificant Source Emissions

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS1	2,000 gallon new oil storage tank	Storage Vessel	Adjacent to building that houses RICE	0.000								
IS2	1,000 gallon used oil storage tank	Storage Vessel	Adjacent to building that houses RICE	0.000								
Total				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

New Jersey Department of Environmental Protection
Equipment Inventory

Equip. NJID	Facility's Designation	Equipment Description	Equipment Type	Certificate Number	Install Date	Grand-Fathered	Last Mod. (Since 1968)	Equip. Set ID
E1	1	Lean Burn Reciprocating Engine	Stationary Reciprocating Engine	123341		No		
E2	2	Lean Burn Reciprocating Engine	Stationary Reciprocating Engine	123342		No		
E3	3	Lean Burn Reciprocating Engine	Stationary Reciprocating Engine	123343		No		
E4	4	Lean Burn Reciprocating Engine	Stationary Reciprocating Engine	123344		No		
E5	5	Lean Burn Reciprocating Engine	Stationary Reciprocating Engine	123345		No		
E6	6	Lean Burn Reciprocating Engine	Stationary Reciprocating Engine	123346		No		
E7	OEC Engine 1	CAT 3520 gas IC engine genset	Stationary Reciprocating Engine			No		
E8	OEC Engine 2	CAT 3520 gas IC engine genset	Stationary Reciprocating Engine			No		
E9	OEC Engine 3	CAT 3520 gas IC engine genset	Stationary Reciprocating Engine			No		
E10	OEC Engine 4	CAT 3520 gas IC engine genset	Stationary Reciprocating Engine			No		
E11	OEC Engine 5	CAT 3520 gas IC engine genset	Stationary Reciprocating Engine			No		
E12	OEC Engine 6	CAT 3520 gas IC engine genset	Stationary Reciprocating Engine			No		

MANCHESTER RENEWABLE POWER CORP LES (78901)

Date: 9/28/2009

New Jersey Department of Environmental Protection
Control Device Inventory

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID

MANCHESTER RENEWABLE POWER CORP LES (78901)

Date: 9/28/2009

New Jersey Department of Environmental Protection
Emission Points Inventory

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT1	1	Exhaust Stack	Round	12	38	382	825.0	825.0	825.0	6,249.0	6,249.0	6,249.0	Up	
PT2	2	Exhaust Stack	Round	12	38	388	825.0	825.0	825.0	6,249.0	6,249.0	6,249.0	Up	
PT3	3	Exhaust Stack	Round	12	38	391	825.0	825.0	825.0	6,249.0	6,249.0	6,249.0	Up	
PT4	4	Exhaust Stack	Round	12	38	394	825.0	825.0	825.0	6,249.0	6,249.0	6,249.0	Up	
PT5	5	Exhaust Stack	Round	12	38	400	825.0	825.0	825.0	6,249.0	6,249.0	6,249.0	Up	
PT6	6	Exhaust Stack	Round	12	38	404	825.0	825.0	825.0	6,249.0	6,249.0	6,249.0	Up	
PT7	7	OEC Engine 1 exhaust stack	Round	18	38	25	900.0	850.0	960.0	12,045.0	11,320.0	12,780.0	Up	
PT8	8	OEC Engine 2 exhaust stack	Round	18	38	25	900.0	850.0	960.0	12,045.0	11,320.0	12,780.0	Up	
PT9	9	OEC Engine 3 exhaust stack	Round	18	38	25	900.0	850.0	960.0	12,045.0	11,320.0	12,780.0	Up	
PT10	10	OEC Engine 4 exhaust stack	Round	18	38	25	900.0	850.0	960.0	12,045.0	11,320.0	12,780.0	Up	
PT11	11	OEC Engine 5 exhaust stack	Round	18	38	25	900.0	850.0	960.0	12,045.0	11,320.0	12,780.0	Up	
PT12	12	OEC Engine 6 exhaust stack	Round	18	38	25	900.0	850.0	960.0	12,045.0	11,320.0	12,780.0	Up	

MANCHESTER RENEWABLE POWER CORP LES (78901)

Date: 9/28/2009

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 1 1 Lean Burn Reciprocating Engine

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	1	Normal firing Landfilll Gas	Normal - Steady State	E1		PT1	2-01-008-02							

U 2 2 Lean Burn Reciprocating Engine

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	2	Normal Firing Landfill Gas	Normal - Steady State	E2		PT2	2-01-008-02							

MANCHESTER RENEWABLE POWER CORP LES (78901) Date: 9/28/2009

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 3 3 Lean Burn Reciprocating Engine

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	3	Normal Firing Landfill Gas	Normal - Steady State	E3		PT3	2-01-008-02							

U 4 4 Lean Burn Reciprocating Engine

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	4	Lean Burn Reciprocating Engine	Normal - Steady State	E4		PT4	2-01-008-02							

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 5 5 Lean Burn Reciprocating Engine

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	5	Lean Burn Reciprocating Engine	Normal - Steady State	E5		PT5	2-01-008-02							

U 6 6 Lean Burn Reciprocating Engine

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	6	Lean Burn Reciprocating Engine	Normal - Steady State	E6		PT6	2-01-008-02							

U 7 OEC Engines Six Ocean Energy Corp. CAT 3520 Lean Burn Reciprocating Engines

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	OEC1	Lean Burn Reciprocating Engine - OEC1	Normal - Steady State	E7		PT7	2-01-008-02	8,300.0	8,760.0		11,320.0	12,780.0	850.0	960.0
OS2	OEC2	Lean Burn Reciprocating Engine- OEC2	Normal - Steady State	E8		PT8	2-01-008-02	8,300.0	8,760.0		11,320.0	12,780.0	850.0	960.0

MANCHESTER RENEWABLE POWER CORP LES (78901)

Date: 9/28/2009

New Jersey Department of Environmental Protection
Emission Unit/Batch Process Inventory

U 7 OEC Engines Six Ocean Energy Corp. CAT 3520 Lean Burn Reciprocating Engines

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS3	OEC3	Lean Burn Reciprocating Engine- OEC3	Normal - Steady State	E9		PT9	2-01-008-02	8,300.0	8,760.0		11,320.0	12,780.0	850.0	960.0
OS4	OEC4	Lean Burn Reciprocating Engine- OEC4	Normal - Steady State	E10		PT10	2-01-008-02	8,300.0	8,760.0		11,320.0	12,780.0	850.0	960.0
OS5	OEC5	Lean Burn Reciprocating Engine- OEC5	Normal - Steady State	E11		PT11	2-01-008-02	8,300.0	8,760.0		11,320.0	12,780.0	850.0	960.0
OS6	OEC6	Lean Burn Reciprocating Engine- OEC6	Normal - Steady State	E12		PT12	2-01-008-02	8,300.0	8,760.0		11,320.0	12,780.0	850.0	960.0

Date: 9/28/2009

New Jersey Department of Environmental Protection
Subject Item Group Inventory

Group NJID: GR1 Facility Cap

Formal Reason(s) for Group/Cap:

☑ Other

Other (explain): IFET Cap on Emission Units for Entire Facility

Condition/Requirements that will be complied with or are no longer applicable as a result of this Group:

N/A

Operating Circumstances:

N/A

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: FC

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO				507.50000000	tons/yr	No
HAPs (Total)				11.50000000	tons/yr	No
NOx (Total)				130.66000000	tons/yr	No
Pb				0.00000000	tons/yr	No
PM-10 (Total)				31.68000000	tons/yr	No
SO2				34.20000000	tons/yr	No
TSP				31.68000000	tons/yr	No
VOC (Total)				44.90000000	tons/yr	No

Subject Item: GR1 Facility Cap

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			151.50000000	151.50000000	tons/yr	No
HAPs (Total)				6.62000000	tons/yr	No
NOx (Total)			65.96000000	65.96000000	tons/yr	No
PM-10 (Total)			5.78000000	5.78000000	tons/yr	No
SO2			4.47000000	4.47000000	tons/yr	No
TSP				5.78000000	tons/yr	No
VOC (Total)			24.70000000	24.70000000	tons/yr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U1 1

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)				0.00400000	tons/yr	No
Trichloroethane (1,1,2)				0.00200000	tons/yr	No
Acrylonitrile				0.05300000	tons/yr	No
Benzene				0.03000000	tons/yr	No
Carbon disulfide				0.04900000	tons/yr	No
Carbon tetrachloride				0.01500000	tons/yr	No
Chloroform				0.00400000	tons/yr	No
CO				25.25000000	tons/yr	No
Ethylene dichloride				0.05100000	tons/yr	No
HAPs (Total)				1.10000000	tons/yr	No
Hydrogen chloride				0.30700000	tons/yr	No
NOx (Total)				10.99000000	tons/yr	No
Pb				0.00000000	tons/yr	No
PM-10 (Total)				0.96000000	tons/yr	No
SO2				0.75000000	tons/yr	No
Trichloroethylene				0.01800000	tons/yr	No
Tetrachloroethylene				0.11000000	tons/yr	No
Toluene				0.37900000	tons/yr	No
TSP				0.96000000	tons/yr	No
Vinyl chloride				0.01000000	tons/yr	No
VOC (Total)				4.12000000	tons/yr	No
Xylene				0.17000000	tons/yr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U1 1

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)		0.00100000	0.00100000	0.00100000	lb/hr	No
Tetrachloroethane (1,1,2,2-)			0.00400000	0.00400000	tons/yr	
Trichloroethane (1,1,2)		0.00040000	0.00040000	0.00040000	lb/hr	No
Trichloroethane (1,1,2)			0.00200000	0.00200000	tons/yr	
Acrylonitrile		0.01200000	0.01200000	0.01200000	lb/hr	No
Acrylonitrile			0.05300000	0.05300000	tons/yr	
Benzene		0.00680000	0.00680000	0.00680000	lb/hr	No
Benzene			0.03000000	0.03000000	tons/yr	
Carbon disulfide		0.01130000	0.01130000	0.01130000	lb/hr	No
Carbon disulfide			0.04900000	0.04900000	tons/yr	
Carbon tetrachloride		0.00350000	0.00350000	0.00350000	lb/hr	No
Carbon tetrachloride			0.01500000	0.01500000	tons/yr	
Chloroform		0.00100000	0.00100000	0.00100000	lb/hr	No
Chloroform			0.00400000	0.00400000	tons/yr	
CO			2.30000000	2.30000000	grams/brake horsepower-hour	
CO			0.67000000	0.67000000	lb/MMBTU	
CO		5.77000000	5.77000000	5.77000000	lb/hr	No
CO			258.00000000	258.00000000	ppmvd @ 15% O2	
Ethylene dichloride		0.01170000	0.01170000	0.01170000	lb/hr	No
Ethylene dichloride			0.05100000	0.05100000	tons/yr	
Hydrogen chloride		0.07000000	0.07000000	0.07000000	lb/hr	No
NOx (Total)			1.00000000	1.00000000	grams/brake horsepower-hour	
NOx (Total)			0.30000000	0.30000000	lb/MMBTU	
NOx (Total)		2.51000000	2.51000000	2.51000000	lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U1 1

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
NOx (Total)			105.00000000	105.00000000	ppmvd @ 15% O2	
PM-10 (Total)			0.03000000	0.03000000	lb/MMBTU	
PM-10 (Total)		0.22000000	0.22000000	0.22000000	lb/hr	No
SO2			0.02000000	0.02000000	lb/MMBTU	
SO2		0.17000000	0.17000000	0.17000000	lb/hr	No
Trichloroethylene		0.00250000	0.00420000	0.00420000	lb/hr	No
Trichloroethylene			0.01800000	0.01800000	tons/yr	
Tetrachloroethylene		0.00250000	0.00250000	0.00250000	lb/hr	No
Tetrachloroethylene			0.01100000	0.01100000	tons/yr	
Toluene		0.08650000	0.08650000	0.08650000	lb/hr	No
Toluene			0.37900000	0.37900000	tons/yr	
TSP			0.03000000	0.03000000	lb/MMBTU	
TSP		0.22000000	0.22000000	0.22000000	lb/hr	No
Vinyl chloride		0.00220000	0.00220000	0.00220000	lb/hr	No
Vinyl chloride			0.01000000	0.01000000	tons/yr	
VOC (Total)			0.37500000	0.37500000	grams/brake horsepower-hour	
VOC (Total)			0.11000000	0.11000000	lb/MMBTU	
VOC (Total)		0.94000000	0.94000000	0.94000000	lb/hr	No
Xylene		0.03870000	0.03870000	0.03870000	lb/hr	No
Xylene			0.17000000	0.17000000	tons/yr	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U2 2

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)				0.00400000	tons/yr	No
Trichloroethane (1,1,2)				0.00200000	tons/yr	No
Acrylonitrile				0.05300000	tons/yr	No
Benzene				0.03000000	tons/yr	No
Carbon disulfide				0.04900000	tons/yr	No
Carbon tetrachloride				0.01500000	tons/yr	No
Chloroform				0.00400000	tons/yr	No
CO				25.25000000	tons/yr	No
Ethylene dichloride				0.05100000	tons/yr	No
HAPs (Total)				1.10000000	tons/yr	No
Hydrogen chloride				0.30700000	tons/yr	No
NOx (Total)				10.99000000	tons/yr	No
Pb				0.00000000	tons/yr	No
PM-10 (Total)				0.96000000	tons/yr	No
SO2				0.75000000	tons/yr	No
Trichloroethylene				0.01800000	tons/yr	No
Tetrachloroethylene				0.11000000	tons/yr	No
Toluene				0.37900000	tons/yr	No
TSP				0.96000000	tons/yr	No
Vinyl chloride				0.01000000	tons/yr	No
VOC (Total)				4.12000000	tons/yr	No
Xylene				0.17000000	tons/yr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U2 2

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)		0.00100000	0.00100000	0.00100000	lb/hr	No
Tetrachloroethane (1,1,2,2-)			0.00400000	0.00400000	tons/yr	
Trichloroethane (1,1,2)		0.00040000	0.00040000	0.00040000	lb/hr	No
Trichloroethane (1,1,2)			0.00200000	0.00200000	tons/yr	
Acrylonitrile		0.01200000	0.01200000	0.01200000	lb/hr	No
Acrylonitrile			0.05300000	0.05300000	tons/yr	
Benzene		0.00680000	0.00680000	0.00680000	lb/hr	No
Benzene			0.03000000	0.03000000	tons/yr	
Carbon disulfide		0.01130000	0.01130000	0.01130000	lb/hr	No
Carbon disulfide			0.04900000	0.04900000	tons/yr	
Carbon tetrachloride		0.00350000	0.00350000	0.00350000	lb/hr	No
Carbon tetrachloride			0.01500000	0.01500000	tons/yr	
Chloroform		0.00100000	0.00100000	0.00100000	lb/hr	No
Chloroform			0.00400000	0.00400000	tons/yr	
CO			2.30000000	2.30000000	grams/brake horsepower-hour	
CO			0.67000000	0.67000000	lb/MMBTU	
CO		5.77000000	5.77000000	5.77000000	lb/hr	No
CO			258.00000000	258.00000000	ppmvd @ 15% O2	
Ethylene dichloride		0.01170000	0.01170000	0.01170000	lb/hr	No
Ethylene dichloride			0.05100000	0.05100000	tons/yr	
HAPs (Total)					lb/hr	No
Hydrogen chloride		0.07000000	0.07000000	0.07000000	lb/hr	No
NOx (Total)			1.00000000	1.00000000	grams/brake horsepower-hour	
NOx (Total)			0.30000000	0.30000000	lb/MMBTU	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U2 2

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
NOx (Total)		2.51000000	2.51000000	2.51000000	lb/hr	No
NOx (Total)			105.00000000	105.00000000	ppmvd @ 15% O2	
Pb					lb/hr	No
PM-10 (Total)			0.03000000	0.03000000	lb/MMBTU	
PM-10 (Total)		0.22000000	0.22000000	0.22000000	lb/hr	No
SO2			0.02000000	0.02000000	lb/MMBTU	
SO2		0.17000000	0.17000000	0.17000000	lb/hr	No
Trichloroethylene		0.00420000	0.00420000	0.00420000	lb/hr	No
Trichloroethylene			0.01800000	0.01800000	tons/yr	
Tetrachloroethylene		0.00250000	0.00250000	0.00250000	lb/hr	No
Tetrachloroethylene			0.01100000	0.01100000	tons/yr	
Toluene		0.08650000	0.08650000	0.08650000	lb/hr	No
Toluene			0.37900000	0.37900000	tons/yr	
TSP			0.03000000	0.03000000	lb/MMBTU	
TSP		0.22000000	0.22000000	0.22000000	lb/hr	No
Vinyl chloride		0.00220000	0.00220000	0.00220000	lb/hr	No
Vinyl chloride			0.01000000	0.01000000	tons/yr	
VOC (Total)			0.37500000	0.37500000	grams/brake horsepower-hour	
VOC (Total)			0.11000000	0.11000000	lb/MMBTU	
VOC (Total)		0.94000000	0.94000000	0.94000000	lb/hr	No
Xylene		0.03870000	0.03870000	0.03870000	lb/hr	No
Xylene			0.17000000	0.17000000	tons/yr	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U3 3

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)				0.00400000	tons/yr	No
Trichloroethane (1,1,2)				0.00200000	tons/yr	No
Acrylonitrile				0.05300000	tons/yr	No
Benzene				0.03000000	tons/yr	No
Carbon disulfide				0.04900000	tons/yr	No
Carbon tetrachloride				0.01500000	tons/yr	No
Chloroform				0.00400000	tons/yr	No
CO				25.25000000	tons/yr	No
Ethylene dichloride				0.05100000	tons/yr	No
HAPs (Total)				1.10000000	tons/yr	No
Hydrogen chloride				0.30700000	tons/yr	No
NOx (Total)				10.99000000	tons/yr	No
Pb				0.00000000	tons/yr	No
PM-10 (Total)				0.96000000	tons/yr	No
SO2				0.75000000	tons/yr	No
Trichloroethylene				0.01800000	tons/yr	No
Tetrachloroethylene				0.11000000	tons/yr	No
Toluene				0.37900000	tons/yr	No
TSP				0.96000000	tons/yr	No
Vinyl chloride				0.01000000	tons/yr	No
VOC (Total)				4.12000000	tons/yr	No
Xylene				0.17000000	tons/yr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U3 3

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)		0.00100000	0.00100000	0.00100000	lb/hr	No
Tetrachloroethane (1,1,2,2-)			0.00400000	0.00400000	tons/yr	
Trichloroethane (1,1,2)		0.00040000	0.00040000	0.00040000	lb/hr	No
Trichloroethane (1,1,2)			0.00200000	0.00200000	tons/yr	
Acrylonitrile		0.01200000	0.01200000	0.01200000	lb/hr	No
Acrylonitrile			0.05300000	0.05300000	tons/yr	
Benzene		0.00680000	0.00680000	0.00680000	lb/hr	No
Benzene			0.03000000	0.03000000	tons/yr	
Carbon disulfide		0.01130000	0.01130000	0.01130000	lb/hr	No
Carbon disulfide			0.04900000	0.04900000	tons/yr	
Carbon tetrachloride		0.00350000	0.00350000	0.00350000	lb/hr	No
Carbon tetrachloride			0.01500000	0.01500000	tons/yr	
Chloroform		0.00100000	0.00100000	0.00100000	lb/hr	No
Chloroform			0.00400000	0.00400000	tons/yr	
CO			2.30000000	2.30000000	grams/brake horsepower-hour	
CO			0.67000000	0.67000000	lb/MMBTU	
CO		5.77000000	5.77000000	5.77000000	lb/hr	No
CO			258.00000000	258.00000000	ppmvd @ 15% O2	
Ethylene dichloride		0.01170000	0.01170000	0.01170000	lb/hr	No
Ethylene dichloride			0.05100000	0.05100000	tons/yr	
HAPs (Total)					lb/hr	No
Hydrogen chloride		0.07000000	0.07000000	0.07000000	lb/hr	No
NOx (Total)			1.00000000	1.00000000	grams/brake horsepower-hour	
NOx (Total)			0.30000000	0.30000000	lb/MMBTU	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U3 3

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
NOx (Total)		2.51000000	2.51000000	2.51000000	lb/hr	No
NOx (Total)			105.00000000	105.00000000	ppmvd @ 15% O2	
Pb					lb/hr	No
PM-10 (Total)			0.03000000	0.03000000	lb/MMBTU	
PM-10 (Total)		0.22000000	0.22000000	0.22000000	lb/hr	No
SO2			0.02000000	0.02000000	lb/MMBTU	
SO2		0.17000000	0.17000000	0.17000000	lb/hr	No
Trichloroethylene			0.00420000	0.00420000	lb/hr	
Trichloroethylene			0.01800000	0.01800000	tons/yr	
Tetrachloroethylene			0.00250000	0.00250000	lb/hr	
Tetrachloroethylene			0.01100000	0.01100000	tons/yr	
Toluene			0.08650000	0.08650000	lb/hr	
Toluene			0.37900000	0.37900000	tons/yr	
TSP			0.03000000	0.03000000	lb/MMBTU	
TSP		0.22000000	0.22000000	0.22000000	lb/hr	No
Vinyl chloride			0.00220000	0.00220000	lb/hr	
Vinyl chloride			0.01000000	0.01000000	tons/yr	
VOC (Total)			0.37500000	0.37500000	grams/brake horsepower-hour	
VOC (Total)			0.11000000	0.11000000	lb/MMBTU	
VOC (Total)		0.94000000	0.94000000	0.94000000	lb/hr	No
Xylene			0.03870000	0.03870000	lb/hr	
Xylene			0.17000000	0.17000000	tons/yr	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U4 4

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)				0.00400000	tons/yr	No
Trichloroethane (1,1,2)				0.00200000	tons/yr	No
Acrylonitrile				0.05300000	tons/yr	No
Benzene				0.03000000	tons/yr	No
Carbon disulfide				0.04900000	tons/yr	No
Carbon tetrachloride				0.01500000	tons/yr	No
Chloroform				0.00400000	tons/yr	No
CO				25.25000000	tons/yr	No
Ethylene dichloride				0.05100000	tons/yr	No
HAPs (Total)				1.10000000	tons/yr	No
Hydrogen chloride				0.30700000	tons/yr	No
NOx (Total)				10.99000000	tons/yr	No
Pb				0.00000000	tons/yr	No
PM-10 (Total)				0.96000000	tons/yr	No
SO2				0.75000000	tons/yr	No
Trichloroethylene				0.01800000	tons/yr	No
Tetrachloroethylene				0.11000000	tons/yr	No
Toluene				0.37900000	tons/yr	No
TSP				0.96000000	tons/yr	No
Vinyl chloride				0.01000000	tons/yr	No
VOC (Total)				4.12000000	tons/yr	No
Xylene				0.17000000	tons/yr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U4 4

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)		0.00400000	0.00100000	0.00100000	lb/hr	No
Tetrachloroethane (1,1,2,2-)			0.00400000	0.00400000	tons/yr	
Trichloroethane (1,1,2)		0.00200000	0.00040000	0.00040000	lb/hr	No
Trichloroethane (1,1,2)			0.00200000	0.00200000	tons/yr	
Acrylonitrile		0.05300000	0.01200000	0.01200000	lb/hr	No
Acrylonitrile			0.05300000	0.05300000	tons/yr	
Benzene		0.03000000	0.00680000	0.00680000	lb/hr	No
Benzene			0.03000000	0.03000000	tons/yr	
Carbon disulfide		0.04900000	0.01130000	0.01130000	lb/hr	No
Carbon disulfide			0.04900000	0.04900000	tons/yr	
Carbon tetrachloride		0.01500000	0.00350000	0.00350000	lb/hr	No
Carbon tetrachloride			0.01500000	0.01500000	tons/yr	
Chloroform		0.00400000	0.00100000	0.00100000	lb/hr	No
Chloroform			0.00400000	0.00400000	tons/yr	
CO			2.30000000	2.30000000	grams/brake horsepower-hour	
CO			0.67000000	0.67000000	lb/MMBTU	
CO		5.77000000	5.77000000	5.77000000	lb/hr	No
CO			258.00000000	258.00000000	ppmvd @ 15% O2	
Ethylene dichloride		0.05100000	0.01170000	0.01170000	lb/hr	No
Ethylene dichloride			0.05100000	0.05100000	tons/yr	
HAPs (Total)					lb/hr	No
Hydrogen chloride		0.30700000	0.30700000	0.30700000	lb/hr	No
NOx (Total)			1.00000000	1.00000000	grams/brake horsepower-hour	
NOx (Total)			0.30000000	0.30000000	lb/MMBTU	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U4 4

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
NOx (Total)		2.51000000	2.51000000	2.51000000	lb/hr	No
NOx (Total)			105.00000000	105.00000000	ppmvd @ 15% O2	
Pb					lb/hr	No
PM-10 (Total)			0.03000000	0.03000000	lb/MMBTU	
PM-10 (Total)		0.22000000	0.22000000	0.22000000	lb/hr	No
SO2			0.02000000	0.02000000	lb/MMBTU	
SO2		0.17000000	0.17000000	0.17000000	lb/hr	No
Trichloroethylene		0.01800000	0.00420000	0.00420000	lb/hr	No
Trichloroethylene			0.01800000	0.01800000	tons/yr	
Tetrachloroethylene		0.11000000	0.00250000	0.00250000	lb/hr	No
Tetrachloroethylene			0.01100000	0.01100000	tons/yr	
Toluene		0.37900000	0.08650000	0.08650000	lb/hr	No
Toluene			0.37900000	0.37900000	tons/yr	
TSP			0.03000000	0.03000000	lb/MMBTU	
TSP		0.22000000	0.22000000	0.22000000	lb/hr	No
Vinyl chloride		0.01000000	0.00220000	0.00220000	lb/hr	No
Vinyl chloride			0.01000000	0.01000000	tons/yr	
VOC (Total)			0.37500000	0.37500000	grams/brake horsepower-hour	
VOC (Total)			0.11000000	0.11000000	lb/MMBTU	
VOC (Total)		0.94000000	0.94000000	0.94000000	lb/hr	No
Xylene		0.17000000	0.03870000	0.03870000	lb/hr	No
Xylene			0.17000000	0.17000000	tons/yr	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U5 5

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)				0.00400000	tons/yr	No
Trichloroethane (1,1,2)				0.00200000	tons/yr	No
Acrylonitrile				0.05300000	tons/yr	No
Benzene				0.03000000	tons/yr	No
Carbon disulfide				0.04900000	tons/yr	No
Carbon tetrachloride				0.01500000	tons/yr	No
Chloroform				0.00400000	tons/yr	No
CO				25.25000000	tons/yr	No
Ethylene dichloride				0.05100000	tons/yr	No
HAPs (Total)				1.10000000	tons/yr	No
Hydrogen chloride				0.30700000	tons/yr	No
NOx (Total)				10.99000000	tons/yr	No
Pb				0.00000000	tons/yr	No
PM-10 (Total)				0.96000000	tons/yr	No
SO2				0.75000000	tons/yr	No
Trichloroethylene				0.01800000	tons/yr	No
Tetrachloroethylene				0.11000000	tons/yr	No
Toluene				0.37900000	tons/yr	No
TSP				0.96000000	tons/yr	No
Vinyl chloride				0.01000000	tons/yr	No
VOC (Total)				4.12000000	tons/yr	No
Xylene				0.17000000	tons/yr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U5 5

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)		0.00100000	0.00100000	0.00100000	lb/hr	No
Tetrachloroethane (1,1,2,2-)			0.00400000	0.00400000	tons/yr	
Trichloroethane (1,1,2)		0.00040000	0.00040000	0.00040000	lb/hr	No
Trichloroethane (1,1,2)			0.00200000	0.00200000	tons/yr	
Acrylonitrile		0.01200000	0.01200000	0.01200000	lb/hr	No
Acrylonitrile			0.05300000	0.05300000	tons/yr	
Benzene		0.00680000	0.00680000	0.00680000	lb/hr	No
Benzene			0.03000000	0.03000000	tons/yr	
Carbon disulfide		0.01130000	0.01130000	0.01130000	lb/hr	No
Carbon disulfide			0.04900000	0.04900000	tons/yr	
Carbon tetrachloride		0.00350000	0.00350000	0.00350000	lb/hr	No
Carbon tetrachloride			0.01500000	0.01500000	tons/yr	
Chloroform		0.00100000	0.00100000	0.00100000	lb/hr	No
Chloroform			0.00400000	0.00400000	tons/yr	
CO			2.30000000	2.30000000	grams/brake horsepower-hour	
CO			0.67000000	0.67000000	lb/MMBTU	
CO		5.77000000	5.77000000	5.77000000	lb/hr	No
CO			258.00000000	258.00000000	ppmvd @ 15% O2	
Ethylene dichloride		0.01170000	0.01170000	0.01170000	lb/hr	No
Ethylene dichloride			0.05100000	0.05100000	tons/yr	
HAPs (Total)					lb/hr	No
Hydrogen chloride		0.07000000	0.07000000	0.07000000	lb/hr	No
NOx (Total)			1.00000000	1.00000000	grams/brake horsepower-hour	
NOx (Total)			0.30000000	0.30000000	lb/MMBTU	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U5 5

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
NOx (Total)		2.51000000	2.51000000	2.51000000	lb/hr	No
NOx (Total)			105.00000000	105.00000000	ppmvd @ 15% O2	
Pb					lb/hr	No
PM-10 (Total)			0.03000000	0.03000000	lb/MMBTU	
PM-10 (Total)		0.22000000	0.22000000	0.22000000	lb/hr	No
SO2			0.02000000	0.02000000	lb/MMBTU	
SO2		0.17000000	0.17000000	0.17000000	lb/hr	No
Trichloroethylene			0.00420000	0.00420000	lb/hr	
Trichloroethylene			0.01800000	0.01800000	tons/yr	
Tetrachloroethylene			0.00250000	0.00250000	lb/hr	
Tetrachloroethylene			0.01100000	0.01100000	tons/yr	
Toluene			0.08650000	0.08650000	lb/hr	
Toluene			0.37900000	0.37900000	tons/yr	
TSP			0.03000000	0.03000000	lb/MMBTU	
TSP		0.22000000	0.22000000	0.22000000	lb/hr	No
Vinyl chloride			0.00220000	0.00220000	lb/hr	
Vinyl chloride			0.01000000	0.01000000	tons/yr	
VOC (Total)			0.37500000	0.37500000	grams/brake horsepower-hour	
VOC (Total)			0.11000000	0.11000000	lb/MMBTU	
VOC (Total)		0.94000000	0.94000000	0.94000000	lb/hr	No
Xylene			0.03870000	0.03870000	lb/hr	
Xylene			0.17000000	0.17000000	tons/yr	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U6 6

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)				0.00400000	tons/yr	No
Trichloroethane (1,1,2)				0.00200000	tons/yr	No
Acrylonitrile				0.05300000	tons/yr	No
Benzene				0.03000000	tons/yr	No
Carbon disulfide				0.04900000	tons/yr	No
Carbon tetrachloride				0.01500000	tons/yr	No
Chloroform				0.00400000	tons/yr	No
CO				25.25000000	tons/yr	No
Ethylene dichloride				0.05100000	tons/yr	No
HAPs (Total)				1.10000000	tons/yr	No
Hydrogen chloride				0.30700000	tons/yr	No
NOx (Total)				10.99000000	tons/yr	No
Pb				0.00000000	tons/yr	No
PM-10 (Total)				0.96000000	tons/yr	No
SO2				0.75000000	tons/yr	No
Trichloroethylene				0.01800000	tons/yr	No
Tetrachloroethylene				0.11000000	tons/yr	No
Toluene				0.37900000	tons/yr	No
TSP				0.96000000	tons/yr	No
Vinyl chloride				0.01000000	tons/yr	No
VOC (Total)				4.12000000	tons/yr	No
Xylene				0.17000000	tons/yr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U6 6

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Tetrachloroethane (1,1,2,2-)		0.00400000	0.00100000	0.00100000	lb/hr	No
Tetrachloroethane (1,1,2,2-)			0.00400000	0.00400000	tons/yr	
Trichloroethane (1,1,2)		0.00200000	0.00040000	0.00040000	lb/hr	No
Trichloroethane (1,1,2)			0.00200000	0.00200000	tons/yr	
Acrylonitrile		0.05300000	0.01200000	0.01200000	lb/hr	No
Acrylonitrile			0.05300000	0.05300000	tons/yr	
Benzene		0.03000000	0.00680000	0.00680000	lb/hr	No
Benzene			0.03000000	0.03000000	tons/yr	
Carbon disulfide		0.04900000	0.01130000	0.01130000	lb/hr	No
Carbon disulfide			0.04900000	0.04900000	tons/yr	
Carbon tetrachloride		0.01500000	0.00350000	0.00350000	lb/hr	No
Carbon tetrachloride			0.01500000	0.01500000	tons/yr	
Chloroform		0.00400000	0.00100000	0.00100000	lb/hr	No
Chloroform			0.00400000	0.00400000	tons/yr	
CO			2.30000000	2.30000000	grams/brake horsepower-hour	
CO			0.67000000	0.67000000	lb/MMBTU	
CO		5.77000000	5.77000000	5.77000000	lb/hr	No
CO			258.00000000	258.00000000	ppmvd @ 15% O2	
Ethylene dichloride		0.05100000	0.01170000	0.01170000	lb/hr	No
Ethylene dichloride			0.05100000	0.05100000	tons/yr	
HAPs (Total)					lb/hr	No
Hydrogen chloride		0.30700000	0.30700000	0.30700000	lb/hr	No
NOx (Total)			1.00000000	1.00000000	grams/brake horsepower-hour	
NOx (Total)			0.30000000	0.30000000	lb/MMBTU	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U6 6

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
NOx (Total)		2.51000000	2.51000000	2.51000000	lb/hr	No
NOx (Total)			105.00000000	105.00000000	ppmvd @ 15% O2	
Pb					lb/hr	No
PM-10 (Total)			0.03000000	0.03000000	lb/MMBTU	
PM-10 (Total)		0.22000000	0.22000000	0.22000000	lb/hr	No
SO2			0.02000000	0.02000000	lb/MMBTU	
SO2		0.17000000	0.17000000	0.17000000	lb/hr	No
Trichloroethylene		0.01800000	0.00420000	0.00420000	lb/hr	No
Trichloroethylene			0.01800000	0.01800000	tons/yr	
Tetrachloroethylene		0.11000000	0.00250000	0.00250000	lb/hr	No
Tetrachloroethylene			0.01100000	0.01100000	tons/yr	
Toluene		0.37900000	0.08650000	0.08650000	lb/hr	No
Toluene			0.37900000	0.37900000	tons/yr	
TSP			0.03000000	0.03000000	lb/MMBTU	
TSP		0.22000000	0.22000000	0.22000000	lb/hr	No
Vinyl chloride		0.01000000	0.00220000	0.00220000	lb/hr	No
Vinyl chloride			0.01000000	0.01000000	tons/yr	
VOC (Total)			0.37500000	0.37500000	grams/brake horsepower-hour	
VOC (Total)			0.11000000	0.11000000	lb/MMBTU	
VOC (Total)		0.94000000	0.94000000	0.94000000	lb/hr	No
Xylene		0.17000000	0.03870000	0.03870000	lb/hr	No
Xylene			0.17000000	0.17000000	tons/yr	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U7 OEC Engines

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			356.00000000	356.00000000	tons/yr	No
HAPs (Total)			4.90000000	4.90000000	tons/yr	No
Hydrogen chloride			3.40000000	3.40000000	tons/yr	
NOx (Total)			64.70000000	64.70000000	tons/yr	No
Pb				0.00000000	tons/yr	No
PM-10 (Total)			25.90000000	25.90000000	tons/yr	No
SO2			29.70000000	29.70000000	tons/yr	No
TSP			25.90000000	25.90000000	tons/yr	No
VOC (Total)			20.22000000	20.22000000	tons/yr	No

Subject Item: U7 OEC Engines

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			2.75000000	2.75000000	grams/brake horsepower-hour	
CO			13.54000000	13.54000000	lb/hr	No
CO			356.00000000	356.00000000	ppmvd @ 15% O2	
HAPs (Total)			0.19000000	0.19000000	lb/hr	No
NOx (Total)			0.50000000	0.50000000	grams/brake horsepower-hour	
NOx (Total)			2.46000000	2.46000000	lb/hr	
PM-10 (Total)			0.20000000	0.20000000	grams/brake horsepower-hour	
PM-10 (Total)			0.98000000	0.98000000	lb/hr	
PM-2.5 (Total)			0.98000000	0.98000000	lb/hr	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U7 OEC Engines

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
SO2			1.13000000	1.13000000	lb/hr	
TSP			0.98000000	0.98000000	lb/hr	
VOC (Total)			0.16000000	0.16000000	grams/brake horsepower-hour	
VOC (Total)			0.77000000	0.77000000	lb/hr	

Subject Item: U7 OEC Engines

Operating Scenario: OS2

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			2.75000000	2.75000000	grams/brake horsepower-hour	
CO			13.54000000	13.54000000	lb/hr	No
CO			356.00000000	356.00000000	ppmvd @ 15% O2	
HAPs (Total)			0.19000000	0.19000000	lb/hr	No
NOx (Total)			0.50000000	0.50000000	grams/brake horsepower-hour	
NOx (Total)			2.46000000	2.46000000	lb/hr	No
Pb					lb/hr	No
PM-10 (Total)			0.20000000	0.20000000	grams/brake horsepower-hour	
PM-10 (Total)			0.98000000	0.98000000	lb/hr	No
PM-2.5 (Total)			0.98000000	0.98000000	lb/hr	
SO2			1.13000000	1.13000000	lb/hr	No
TSP			0.98000000	0.98000000	lb/hr	No
VOC (Total)			0.16000000	0.16000000	grams/brake horsepower-hour	
VOC (Total)			0.77000000	0.77000000	lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U7 OEC Engines

Operating Scenario: OS3

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			2.75000000	2.75000000	grams/brake horsepower-hour	
CO			13.54000000	13.54000000	lb/hr	No
CO			356.00000000	356.00000000	ppmvd @ 15% O2	
HAPs (Total)			0.19000000	0.19000000	lb/hr	No
NOx (Total)			0.50000000	0.50000000	grams/brake horsepower-hour	
NOx (Total)			2.46000000	2.46000000	lb/hr	No
Pb					lb/hr	No
PM-10 (Total)			0.20000000	0.20000000	grams/brake horsepower-hour	
PM-10 (Total)			0.98000000	0.98000000	lb/hr	No
PM-2.5 (Total)			0.98000000	0.98000000	lb/hr	
SO2			1.13000000	1.13000000	lb/hr	No
TSP			0.98000000	0.98000000	lb/hr	No
VOC (Total)			0.16000000	0.16000000	grams/brake horsepower-hour	
VOC (Total)			0.77000000	0.77000000	lb/hr	No

Subject Item: U7 OEC Engines

Operating Scenario: OS4

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			2.75000000	2.75000000	grams/brake horsepower-hour	
CO			13.54000000	13.54000000	lb/hr	No
CO			356.00000000	356.00000000	ppmvd @ 15% O2	
HAPs (Total)			0.19000000	0.19000000	lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U7 OEC Engines

Operating Scenario: OS4

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
NOx (Total)			0.50000000	0.50000000	grams/brake horsepower-hour	
NOx (Total)			2.46000000	2.46000000	lb/hr	No
Pb					lb/hr	No
PM-10 (Total)			0.20000000	0.20000000	grams/brake horsepower-hour	
PM-10 (Total)			0.98000000	0.98000000	lb/hr	No
PM-2.5 (Total)			0.98000000	0.98000000	lb/hr	
SO2			1.13000000	1.13000000	lb/hr	No
TSP			0.98000000	0.98000000	lb/hr	No
VOC (Total)			0.16000000	0.16000000	grams/brake horsepower-hour	
VOC (Total)			0.77000000	0.77000000	lb/hr	No

Subject Item: U7 OEC Engines

Operating Scenario: OS5

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			2.75000000	2.75000000	grams/brake horsepower-hour	
CO			13.54000000	13.54000000	lb/hr	No
CO			356.00000000	356.00000000	ppmvd @ 15% O2	
HAPs (Total)			0.19000000	0.19000000	lb/hr	No
NOx (Total)			0.50000000	0.50000000	grams/brake horsepower-hour	
NOx (Total)			2.46000000	2.46000000	lb/hr	No
Pb					lb/hr	No
PM-10 (Total)			0.20000000	0.20000000	grams/brake horsepower-hour	

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U7 OEC Engines

Operating Scenario: OS5

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
PM-10 (Total)			0.98000000	0.98000000	lb/hr	No
PM-2.5 (Total)			0.98000000	0.98000000	lb/hr	
SO2			1.13000000	1.13000000	lb/hr	No
TSP			0.98000000	0.98000000	lb/hr	No
VOC (Total)			0.16000000	0.16000000	grams/brake horsepower-hour	
VOC (Total)			0.77000000	0.77000000	lb/hr	No

Subject Item: U7 OEC Engines

Operating Scenario: OS6

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO			2.75000000	2.75000000	grams/brake horsepower-hour	
CO			13.54000000	13.54000000	lb/hr	No
CO			356.00000000	356.00000000	ppmvd @ 15% O2	
HAPs (Total)			0.19000000	0.19000000	lb/hr	No
NOx (Total)			0.50000000	0.50000000	grams/brake horsepower-hour	
NOx (Total)			2.46000000	2.46000000	lb/hr	No
Pb					lb/hr	No
PM-10 (Total)			0.20000000	0.20000000	grams/brake horsepower-hour	
PM-10 (Total)			0.98000000	0.98000000	lb/hr	No
PM-2.5 (Total)			0.98000000	0.98000000	lb/hr	
SO2			1.13000000	1.13000000	lb/hr	No
TSP			0.98000000	0.98000000	lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U7 OEC Engines

Operating Scenario: OS6

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
VOC (Total)			0.16000000	0.16000000	grams/brake horsepower-hour	
VOC (Total)			0.77000000	0.77000000	lb/hr	No

Compliance Schedule

New Jersey Department of Environmental Protection

Subject Item: **FC**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	General Provisions: Defines numerous terms used in N.J.A.C. 7:27. Specifies procedures for making confidentiality claims, certifying applications, reports, and other documents to the Department, and requesting adjudicatory hearings and stays of the effective date of departmental decisions. Also, provides provisions regarding applicability, severability, and liberal construction of N.J.A.C. 7:27. [N.J.A.C. 7:27- 1]	None.	None.	None.
2	Control and Prohibition of Open Burning: Prohibits any person from open burning of rubbish, garbage, trade waste, buildings, structures, leaves, other plant life and salvage. Open burning of infested plant life or dangerous material may only be performed with a permit from the Department. [N.J.A.C. 7:27- 2]	None.	None.	Obtain an approved permit: Prior to occurrence of event (prior to open burning). [N.J.A.C. 7:27- 2]
3	Prohibition of Air Pollution: Notwithstanding compliance with other subchapters of N.J.A.C. 7:27, no person shall suffer, allow, or permit to be emitted into the outdoor atmosphere substances in quantities that result in air pollution as defined at N.J.A.C. 7:27-5.1. Applicable to all facilities located in New Jersey. [N.J.A.C. 7:27- 5]	None.	None.	None.
4	Prevention and Control of Air Pollution Control Emergencies: Requires that written Standby Plans, consistent with good industrial practice and safe operating procedures, be prepared for reducing the emission of air contaminants during periods of an air pollution alert, warning, or emergency. Any person responsible for the operation of a source of air contamination not set forth in Table 1 of N.J.A.C. 7:27-12 is not required to prepare such a plan unless requested by the Department in writing. [N.J.A.C. 7:27-12]	None.	None.	Comply with the requirement: Upon occurrence of event. Upon proclamation by the Governor of an air pollution alert, warning, or emergency, the permittee shall put the Standby Plan into effect. In addition, the permittee shall ensure that all of the applicable emission reduction objectives of N.J.A.C. 7:27-12.4, Table I, II, and III are complied with whenever there is an air pollution alert, warning, or emergency. [N.J.A.C. 7:27-12]

New Jersey Department of Environmental Protection

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Emission Offsets Rules. [N.J.A.C. 7:27-18]	Other: When applying for minor/significant modification, demonstrate compliance with this applicable requirement which may call for specific monitoring and/or recordkeeping activities. [N.J.A.C. 7:27-18].	Other: When applying for minor/significant modification, demonstrate compliance with this applicable requirement which may call for specific monitoring and/or recordkeeping activities. [N.J.A.C. 7:27-18].	Comply with the requirement: Upon occurrence of event. Submit an administratively complete application when applying for a minor modification pursuant to N.J.A.C. 7:27-22.23 or a significant modification pursuant to N.J.A.C. 7:27-22.24. [N.J.A.C. 7:27-22]
6	Emissions Statements: Submit an annual emission statement (if required) electronically to the NJDEP by May 15 of each year (or by mutually agreed upon date, but no later than June 15 of each year). [N.J.A.C. 7:27-21]	Other: The emission statement will be based on monitoring, recording and recordkeeping of actual emissions, capture and control efficiencies, process rate and operating data for source operations with the potential to emit certain air contaminants. [N.J.A.C. 7:27-21].	Other: The emission statement and all supporting records shall be maintained on the operating premises for a period of five (5) years from the due date of each emission statement. [N.J.A.C. 7:27-21].	Submit an Annual Emission Statement: Annually (if required) electronically by May 15 or by any mutually agreed upon date, but not later than June 15 of each year. [N.J.A.C. 7:27-21]
7	Compliance Certification: Submit annual compliance certification for each applicable requirement, pursuant to N.J.A.C. 7:27-22.19(f), within 60 days after the end of each calendar year during which this permit was in effect. [N.J.A.C. 7:27-22]	None.	None.	Submit an Annual Compliance Certification: Annually to the Department and EPA on forms provided by the Department within 60 days after the end of each calendar year during which this permit was in effect. The annual compliance certification reporting period will cover the calendar year ending December 31. Forms provided by the Department can be found on the Department's web site at the following link: http://www.nj.gov/dep/enforcement/ compliancecertsair.htm [N.J.A.C. 7:27-22]
8	Prevention of Air Pollution from Architectural Coatings and Consumer Products. [N.J.A.C. 7:27-23]	None.	None.	None.
9	For equipment subject to NOx Budget Program, comply with N.J.A.C. 7:27-31. [N.J.A.C. 7:27-31]	Other: See N.J.A.C. 7:27-31. [N.J.A.C. 7:27-31].	Other: See N.J.A.C. 7:27-31. [N.J.A.C. 7:27-31].	Comply with the requirement: Upon occurrence of event. [N.J.A.C. 7:27-31]
10	Any operation of equipment which may cause off-property effects, including odors, shall be reported to the Department to the extent required by the Air Pollution Control Act, N.J.S.A. 26:2C-19(e). [N.J.S.A. 26:2C-19(e)]	Other: Observation of plant operations. [N.J.S.A. 26:2C-19(e)].	Other: Maintain a copy of all information submitted to the Department. [N.J.S.A. 26:2C-19(e)].	Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26:2C-19(e)]

New Jersey Department of Environmental Protection

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Prevention of Significant Deterioration (PSD). [40 CFR 52.21]	Other: When applying for minor/significant modification, demonstrate compliance with this applicable requirement which may call for specific monitoring and/or recordkeeping activities. [40 CFR 52.21].	Other: When applying for minor/significant modification, demonstrate compliance with this applicable requirement which may call for specific monitoring and/or recordkeeping activities. [40 CFR 52.21].	Comply with the requirement: Upon occurrence of event. If subject to PSD, the permittee shall submit an administratively complete application when applying for a significant modification pursuant to N.J.A.C. 7:27-22.24. [N.J.A.C. 7:27-22]
12	National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Asbestos. [40 CFR 61]	Other: Comply with 40 CFR 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Other: Comply with 40 CFR 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61]
13	Protection of Stratospheric Ozone:1) If the permittee manufactures, transforms, destroys, imports, or exports a Class I or Class II substance, the permittee is subject to all the requirements as specified at 40 CFR 82, Subpart A; 2) If the permittee performs a service on motor "fleet" vehicles when this service involves an ozone depleting substance refrigerant (or regulated substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified at 40 CFR 82, Subpart B. 3) The permittee shall comply with the standards for labeling of products containing or manufactured with ozone depleting substances pursuant to 40 CFR 82, Subpart E. 4). The permittee shall comply with the standards for recycling and emission reductions of Class I and Class II refrigerants or a regulated substitute substance during the service, maintenance, repair, and disposal of appliances pursuant to 40 CFR 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. 5) The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program (SNAP) promulgated pursuant to 40 CFR 82, Subpart G. [40 CFR 82]	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82]

New Jersey Department of Environmental Protection

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	Deviation Report: In accordance with N.J.A.C. 7:27-22.19(c) and 22.19(d)3, the permittee shall submit to the Department, on forms provided by the Department, a certified six-month deviation report relating to testing and monitoring required by the operating permit, not including information for stack emissions testing or continuous emissions monitoring which have other reporting schedules specified in the permit (normally, stack test report is submitted within 45 days of test completion and continuous monitor reporting is done quarterly). Pursuant to N.J.A.C. 7:27-22.19(e), the six-month report must address other specified monitoring, including continuous and periodic monitoring requirements found in column 2 and 3, entitled "Monitoring Requirement" and "Recordkeeping Requirement," respectively, of the Facility Specific Requirements section of this permit. These six-month reports shall clearly identify all deviations from operating permit requirements, the probable cause of such deviations, and any corrective actions or preventive measures taken. If no deviations occurred, the report should say so. Any "None" listed in the Submittal/Action Requirement in the Operating Permit is not intended to override the six-month deviation report. [N.J.A.C. 7.27-22.19(d)3, N.J.A.C. 7.27-22.19(e), and [N.J.A.C. 7:27-22.19(c)]	None.	Other: The permittee shall maintain deviation reports for a period of five years from the date each report is submitted to the Department. [N.J.A.C. 7:27-22.19(a)].	Submit a report: As per the approved schedule. The six-month reports for other specified testing or monitoring required by the operating permit performed from January 1 through June 30 shall be submitted by July 30 of the same calendar year, and from July 1 through December 31, shall be submitted by January 30 of the following calendar year. The report shall be submitted to the Regional Enforcement Office and shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official. Forms provided by the Department can be found on the Department's web site at the following link: http://www.nj.gov/dep/enforcement/ compliancecertsair.htm [N.J.A.C. 7:27-22]
15	No person shall combust used oil except as authorized pursuant to N.J.A.C. 7:27-20. [N.J.A.C. 7:27-20.2]	None.	None.	Comply with the requirement: Prior to occurrence of event (prior to burning used oil) either register with the Department pursuant to N.J.A.C. 7:27-20.3 or obtain a permit issued by the Department pursuant to N.J.A.C. 7:27-8 or 7:27-22, whichever is applicable. [N.J.A.C. 7:27-20.2(d)]

New Jersey Department of Environmental Protection

Subject Item: **GR1**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Annual emission rate from preconstruction permit. SO2 <= 4.47 tons/yr. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[N.J.A.C. 7:27-22.16(e)].	Other: Data Acquisition System (DAS)/Electronic Data Storage. Continuously.[N.J.A.C. 7:27-22.16(e)].	Submit a report: Annually , a report shall be submitted to the Chief, Central Regional Office by April 15 of each year. The annual report shall include a summary of calendar year emissions of pollutants, which shall be determined using annual fuel consumption data and emission factors. The annual amount of each fuel used in the calendar year shall also be reported. [N.J.A.C. 7:27-22.16(e)]
2	Annual emission rate from preconstruction permit. VOC (Total) <= 24.7 tons/yr. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[N.J.A.C. 7:27-22.16(e)].	Other: Data Acquisition System (DAS)/Electronic Data Storage. Continuously.[N.J.A.C. 7:27-22.16(e)].	Submit a report: Annually , a report shall be submitted to the Chief, Central Regional Office by April 15 of each year. The annual report shall include a summary of calendar year emissions of pollutants, which shall be determined using annual fuel consumption data and emission factors. The annual amount of each fuel used in the calendar year shall also be reported. [N.J.A.C. 7:27-22.16(e)]
3	Annual emission rate from preconstruction permit. NOx (Total) <= 65.96 tons/yr. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[N.J.A.C. 7:27-22.16(e)].	Other: Data Acquisition System (DAS)/Electronic Data Storage. Continuously.[N.J.A.C. 7:27-22.16(e)].	Submit a report: Annually , a report shall be submitted to the Chief, Central Regional Office by April 15 of each year. The annual report shall include a summary of calendar year emissions of pollutants, which shall be determined using annual fuel consumption data and emission factors. The annual amount of each fuel used in the calendar year shall also be reported. [N.J.A.C. 7:27-22.16(e)]
4	Annual emission rate from preconstruction permit. Particulate Emissions <= 5.78 tons/yr. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[N.J.A.C. 7:27-22.16(e)].	Other: Data Acquisition System (DAS)/Electronic Data Storage. Continuously.[N.J.A.C. 7:27-22.16(e)].	Submit a report: Annually. A report shall be submitted to the Chief, Central Regional Office by April 15 of each year. The annual report shall include a summary of calendar year emissions of pollutants, which shall be determined using annual fuel consumption data and emission factors. The annual amount of each fuel used in the calendar year shall also be reported. [N.J.A.C. 7:27-22.16(e)]

New Jersey Department of Environmental Protection

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	Annual emission rate from preconstruction permit. PM-10 (Total) <= 5.78 tons/yr. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[N.J.A.C. 7:27-22.16(e)].	Other: Data Acquisition System (DAS)/Electronic Data Storage. Continuously.[N.J.A.C. 7:27-22.16(e)].	Submit a report: Annually. A report shall be submitted to the Chief, Central Regional Office by April 15 of each year. The annual report shall include a summary of calendar year emissions of pollutants, which shall be determined using annual fuel consumption data and emission factors. The annual amount of each fuel used in the calendar year shall also be reported. [N.J.A.C. 7:27-22.16(e)]
6	Annual emission rate from preconstruction permit. CO <= 151.5 tons/yr. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[N.J.A.C. 7:27-22.16(e)].	Other: Data Acquisition System (DAS)/Electronic Data Storage. Continuously.[N.J.A.C. 7:27-22.16(e)].	Submit a report: Annually. A report shall be submitted to the Chief, Central Regional Office by April 15 of each year. The annual report shall include a summary of calendar year emissions of pollutants, which shall be determined using annual fuel consumption data and emission factors. The annual amount of each fuel used in the calendar year shall also be reported. [N.J.A.C. 7:27-22.16(e)]
7	Annual fuel use limit is 1130 MM cubic feet/year. The fuel usage will be measured at the common landfill header that supplies fuel to the six engines. [N.J.A.C. 7:27-22.16(e)]	Other: Fuel Flow/Firing Rate Instrument. Continuously.[N.J.A.C. 7:27-22.16(e)].	Other: Data Acquisition System (DAS)/Electronic Data Storage. Continuously.[N.J.A.C. 7:27-22.16(e)].	Submit a report: Annually. A report shall be submitted to the Chief, Central Regional Office by April 15 of each year. The annual report shall include a summary of calendar year emissions of pollutants, which shall be determined using annual fuel consumption data and emission factors. The annual amount of each fuel used in the calendar year shall also be reported. [N.J.A.C. 7:27-22.16(e)]

New Jersey Department of Environmental Protection

Emission Unit: U1 Lean Burn Reciprocating Engine
Operating Scenario: OS1 Normal firing Landfilll Gas

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Smoke emissions from stationary internal combustion engines no greater than 20% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. Opacity <= 20 %. [N.J.A.C. 7:27-3.5]	None.	None.	None.
2	Particulate emission limit from the combustion of fuel based on rated heat input of source. Particulate Emissions <= 5.21 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
3	Maximum allowable limit for SO2 emissions at any instant. SO2 <= 16 lb/hr. [N.J.A.C. 7:27- 7.2(b)2]	None.	None.	None.
4	Maximum allowable limit for SO2 emissions in any 60 minute period. SO2 <= 8 lb/hr. [N.J.A.C. 7:27- 7.2(r)]	None.	None.	None.
5	Do not exceed 500 ppmvd CO at 15% Oxygen. CO <= 500 ppmdv @ 15% O2. [N.J.A.C. 7:27-16.10(b)]	None.	None.	None.
6	Adjust the combustion process each calendar year. Record NOx and CO concentration after each adjustment and the O2 concentration at which NOx and CO were measured. [N.J.A.C. 7:27-16.10(e)]	Other: Periodic Emission Monitoring (Portable Instrument). Annually.[N.J.A.C. 7:27-16.10(e)].	Other: Manual Logging of Parameter (Permanently Bound). Annually.[N.J.A.C. 7:27-16.10(e)].	None.
7	Restriction of NOx emission per hp-hr for lean burn I.C. engine with an output of more than 500 hp and fueled by gaseous fuel. NOx (Total) <= 2.5 grams/brake horse power hour. [N.J.A.C. 7:27-19.8(b)]	None.	None.	None.
8	Maximum Gross Heat Input <= 8.6 MMBTU/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	Maximum emission limit from preconstruction permit. CO <= 0.67 lb/MMBTU. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	Maximum emission limit from preconstruction permit. NOx (Total) <= 0.3 lb/MMBTU. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Maximum emission limit from preconstruction permit. SO2 <= 0.02 lb/MMBTU. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
12	Maximum emission limit from preconstruction permit. VOC (Total) <= 0.11 lb/MMBTU. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
13	Maximum emission limit from preconstruction permit. TSP <= 0.03 lb/MMBTU. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
14	Maximum emission limit from preconstruction permit. PM-10 (Total) <= 0.03 lb/MMBTU. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
15	Maximum emission rate from preconstruction permit. CO <= 2.3 grams/brake horse power hour. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
16	Maximum emission rate from preconstruction permit. VOC (Total) <= 0.375 grams/brake horse power hour. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
17	Maximum emission rate from preconstruction permit. NOx (Total) <= 1 grams/brake horse power hour. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
18	Requirement to periodically monitor and record oxygen content of exhaust gas. [N.J.A.C. 7:27-22.16(e)]	Other: Periodic Emission Monitoring (Portable Instrument). Monthly.[N.J.A.C. 7:27-22.16(e)].	Other: Manual Logging of Parameter (Permanently Bound). Monthly.[N.J.A.C. 7:27-22.16(e)].	None.
19	Maximum emission limit from preconstruction permit. NOx (Total) <= 105 ppmdv @ 15% O2. [N.J.A.C. 7:27-22.16(e)]	Other: Periodic Emission Monitoring (Portable Instrument). Monthly.[N.J.A.C. 7:27-22.16(e)].	Other: Manual Logging of Parameter (Permanently Bound). Monthly.[N.J.A.C. 7:27-22.16(e)].	None.
20	Maximum emission limit from preconstruction permit. CO <= 258 ppmdv @ 15% O2. [N.J.A.C. 7:27-22.16(e)]	Other: Periodic Emission Monitoring (Portable Instrument). Monthly.[N.J.A.C. 7:27-22.16(e)].	Other: Manual Logging of Parameter (Permanently Bound). Monthly.[N.J.A.C. 7:27-22.16(e)].	None.
21	Maximum emission rate from preconstruction permit. VOC (Total) <= 0.94 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
22	Maximum emission rate from preconstruction permit. NOx (Total) <= 2.51 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
23	Maximum emission rate from preconstruction permit. SO2 <= 0.17 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	Maximum emission rate from preconstruction permit. CO <= 5.77 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
25	Maximum emission rate from preconstruction permit. TSP <= 0.22 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
26	Maximum emission rate from preconstruction permit. PM-10 (Total) <= 0.22 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
27	Maximum emission rate from preconstruction permit. Acrylonitrile <= 0.012 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
28	Maximum emission rate from preconstruction permit. Trichloroethane (1,1,2) <= 0.0004 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
29	Maximum emission rate from preconstruction permit. Tetrachloroethane (1,1,2,2-) <= 0.001 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
30	Maximum emission rate from preconstruction permit. Carbon disulfide <= 0.0113 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
31	Maximum emission rate from preconstruction permit. Benzene <= 0.0068 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
32	Maximum emission rate from preconstruction permit. Chloroform <= 0.001 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
33	Maximum emission rate from preconstruction permit. Carbon tetrachloride <= 0.0035 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
34	Maximum emission rate from preconstruction permit. HCl Emissions <= 0.07 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
35	Maximum emission rate from preconstruction permit. Tetrachloroethylene <= 0.0025 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
36	Maximum emission rate from preconstruction permit. Toluene <= 0.0865 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
37	Maximum emission rate from preconstruction permit. Trichloroethylene <= 0.0042 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
38	Maximum emission rate from preconstruction permit. Vinyl chloride <= 0.0022 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
39	Maximum emission rate from preconstruction permit. Xylene <= 0.0387 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
40	Maximum emission rate from preconstruction permit. Ethylene dichloride <= 0.0117 lb/hr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
41	Maximum emission rate from preconstruction permit. Tetrachloroethane (1,1,2,2-) <= 0.004 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
42	Maximum emission rate from preconstruction permit. Trichloroethane (1,1,2) <= 0.002 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
43	Maximum emission rate from preconstruction permit. Chloroform <= 0.004 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
44	Maximum emission rate from preconstruction permit. HCl Emissions <= 0.307 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
45	Maximum emission rate from preconstruction permit. Benzene <= 0.03 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
46	Maximum emission rate from preconstruction permit. Tetrachloroethylene <= 0.011 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
47	Maximum emission rate from preconstruction permit. Toluene <= 0.379 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
48	Maximum emission rate from preconstruction permit. Ethylene dichloride <= 0.051 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
49	Maximum emission rate from preconstruction permit. Acrylonitrile <= 0.053 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

New Jersey Department of Environmental Protection

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
50	Maximum emission rate from preconstruction permit. Trichloroethylene <= 0.018 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
51	Maximum emission rate from preconstruction permit. Carbon disulfide <= 0.049 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
52	Maximum emission rate from preconstruction permit. Vinyl chloride <= 0.01 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
53	Maximum emission rate from preconstruction permit. Carbon tetrachloride <= 0.015 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
54	Maximum emission rate from preconstruction permit. Xylene <= 0.17 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
55	Methane: Requirement to continuously monitor and continuously record the percentage of methane in the landfill gas. [N.J.A.C. 7:27-22.16(e)]	Other: Methane Gas Analyzer. Continuously.[N.J.A.C. 7:27-22.16(e)].	Methane: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(e)]	None.
56	During startup and shutdown periods smoke emissions no greater than 20% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. The engine startup and shutdown time shall be less than 5 minutes. Opacity <= 20 %. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
57	Smoke emissions no greater than 10% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds, except for startups or shutdowns. The engine startup and shutdown time shall be less than 5 mins. Opacity <= 10 %. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
58	Fuel type limited to landfill gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.

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Emission Unit: **U2 Lean Burn Reciprocating Engine**

Operating Scenario: **OS1 Normal Firing Landfill Gas**

The requirements for this item are identical to those for: U1 OS1

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Emission Unit: **U3 Lean Burn Reciprocating Engine**

Operating Scenario: **OS1 Normal Firing Landfill Gas**

The requirements for this item are identical to those for: U1 OS1

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Emission Unit: **U4 Lean Burn Reciprocating Engine**

Operating Scenario: **OS1 Lean Burn Reciprocating Engine**

The requirements for this item are identical to those for: U1 OS1

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Emission Unit: **U5 Lean Burn Reciprocating Engine**
Operating Scenario: **OS1 Lean Burn Reciprocating Engine**

The requirements for this item are identical to those for: U1 OS1

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Emission Unit: **U6 Lean Burn Reciprocating Engine**

Operating Scenario: **OS1 Lean Burn Reciprocating Engine**

The requirements for this item are identical to those for: U1 OS1

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Emission Unit: U7 Six Ocean Energy Corp. CAT 3520 Lean Burn Reciprocating Engines

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Stack Testing Requirements: Conduct a comprehensive stack test at emission points 7 through 12 to demonstrate compliance with the CO, NOx, TSP, VOC. SO2, and opacity emission limits. Test shall be conducted while at or near maximum load . [N.J.A.C. 7:27-22.16(a)]	Monitored by stack emission testing once initially, based on any 60 minute period. Stack test shall be conducted for CO, NOx, TSP, VOC, SO2, and opacity emissions. Initial stack test must be completed within 180 days of approval of the operating permit. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Bureau of Technical Services (BTS) at PO Box 437, Trenton, NJ 08625 within 60 days from the date of the approved initial operating permit. Within 30 days of protocol approval, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. The stack test must be conducted within 180 days from the date of the approved initial operating permit. The stack test report must be submitted to BTS within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a New Jersey licensed professional engineer or certified industrial hygienist. The stack test must be completed within 180 days of approval of the operating permit. A copy of the test results must be submitted with the operating permit renewal application due at least 12 months prior to expiration of the Operating Permit. Test results shall report in gr/bh-hr, lbs/hour, lbs/MM Btu, ppm (as needed) . [N.J.A.C. 7:27-22.18(e)] and [N.J.A.C. 7:27-22.18(h)]. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	Stack Testing Requirements: Conduct a comprehensive stack test at emission points 7 through 12 at least 18 months prior to the expiration of the approved operating permit to demonstrate compliance with the CO, NOx, TSP, VOC, SO2, and opacity emission limits. Test shall be conducted at or near maximum load. [N.J.A.C. 7:27-22.16(a)]	Monitored by stack emission testing every 5 years, based on any 60 minute period. Stack test shall be conducted for CO, NOx, TSP, VOC, SO2 and opacity emissions. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-21.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Bureau of Technical Services (BTS) at PO Box 437, Trenton, NJ 08625 at least 30 months prior to the expiration of the approved operating permit. Within 30 days of protocol approval, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. The stack test report must be submitted to BTS within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a New Jersey licensed professional engineer or certified industrial hygienist. A copy of the test results must be submitted with the operating permit renewal application due at least 12 months prior to expiration of the Operating Permit. Test results shall report in opacity, grams/brake horsepower-hour, lbs/hour, lbs/MM Btu, ppm (as needed) . [N.J.A.C. 7:27-22.18(e)] and [N.J.A.C. 7:27-22.18(h)] . [N.J.A.C. 7:27-22.16(o)]
3	NOx Emission Offsets: The landfill gas to energy project shall not operate unless 84.1 tons of nitrogen oxides emission offsets, that meet the criteria established in N.J.A.C. 7:27 - 18.1 et.seq. for NOx emissions, are secured. These offset shall be secured from Saint-Gobain Containers, located at a distance of 70 miles (less than 100 miles) from MRPC, in the city of Millville, Cumberland County, New Jersey. [N.J.A.C. 7:27-18.3(c)1]	None.	None.	Other (provide description): Once initially Obtain emission offsets and submit Purchase Agreement to the Chief, BPP, and REO, prior to initial startup of the facility. [N.J.A.C. 7:27-18.18(c)1]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Stack Height Above Ground >= 37.5 Feet for the current stacks of all six engines E1 through E6. Operation of any of the six new engines shall not commence until all the six existing stacks (PT1 - PT6) of all six existing engines belonging to MRPC are raised from their current height of 23 ft to the height of 37.5 ft or more. [N.J.A.C. 7:27-22.16(a)]	Stack Height Above Ground: Monitored by documentation of construction once initially. [N.J.A.C. 7:27-22.16(o)]	Stack Height Above Ground: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Once initially to the Chief Southern Regional Office, to the Chief Bureau of Technical Services and to the Chief Bureau of preconstruction permits. [N.J.A.C. 7:27-21.16(o)]
5	Annual heat input limit based on permit application is 861,108 MMBTU(HHV)/any consecutive 12 months (1844 MMscf/ any consecutive 12 months at 467 BTU/scf HHV) under six (6) engine operational mode. Total annual heat input during any consecutive 12-month period shall be calculated by adding the total heat input for a given month to the total heat input during the preceding 11-month period. Monthly MMBTU fuel use shall be calculated using the following formula: (MMBTU(HHV)/Month) = [(Y MMBTU/MMscf) x (MMscf of landfill gas consumed by the engines per month)]. Y = Heating Value of Landfill Gas (monthly average of higher heating value of the landfill gas as measured by plant personnel). This procedure will begin the first day following the commencement of the operation of the engines. [N.J.A.C. 7:27-22.16(a)]	Monitored by fuel flow/firing rate instrument continuously. The fuel use monitoring system shall have an accuracy of not less than 1.5%, certified by the manufacturer. Compliance shall be determined based on a consecutive 12-month period computed with monthly sums. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. Monitored by fuel flow/firing rate instrument at the approved frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Compliance shall be determined based on a consecutive 12-month period computed with monthly sums. Compliance determined by calculating a total monthly MMBtu based on total gas flow and average monthly methane content. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Annual emission limit for six (6) engines. TSP <= 25.9 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by fuel flow/firing rate instrument continuously.[N.J.A.C. 7:27-22.16(o)].	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation and following calculations. The TSP ton per year value shall be calculated using the following formula: (Ton/Year) = (A lb/MMBTU) x (B BTU/scf) x (MMscf of landfill gas consumed by the engine during the calendar year) x (1 ton / 2000 lb). A = Emission Factor (0.060 lb/MMBTU) for TSP as stated in this permit. B = Heating Value for Landfill Gas (monthly average of higher heating value of the landfill gas as measured by plant personnel). The landfill gas flow to all engines shall be continuously measured by a flow totalizer, and the monthly landfill gas flow measurements shall be manually recorded. [N.J.A.C. 7:27-22.16(o)]	None.
7	Annual emission limit for six (6) engines. PM-10 (Total) <= 25.9 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by fuel flow/firing rate instrument continuously.[N.J.A.C. 7:27-22.16(o)].	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation and following calculations: The PM-10 ton per year value shall be calculated using the following formula: (Ton/Year) = (A lb/MMBTU) x (B BTU/scf) x (MMscf of landfill gas consumed by the engine during the calendar year) x (1 ton / 2000 lb). A = Emission Factor (0.060 lb/MMBTU) for PM-10 as stated in this permit. B = Heating Value for Landfill Gas (monthly average of higher heating value of the landfill gas as measured by plant personnel). The landfill gas flow to all engines shall be continuously measured by a flow totalizer, and the monthly landfill gas flow measurements shall be manually recorded. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	Annual emission limit for six (6) engines. CO <= 356 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by fuel flow/firing rate instrument continuously.[N.J.A.C. 7:27-22.16(o)].	CO: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation and following calculations: The CO ton per year value shall be calculated using the following formula: (Ton/Year) = (A lb/MMBTU) x (B BTU/scf) x (MMscf of landfill gas consumed by the engine during the calendar year) x (1 ton / 2000 lb). A = Emission Factor (0.83 lb/MMBTU) for CO as stated in this permit. B = Heating Value for Landfill Gas (monthly average of higher heating value of the landfill gas as measured by plant personnel). The landfill gas flow to all engines shall be continuously measured by a flow totalizer, and the monthly landfill gas flow measurements shall be manually recorded. [N.J.A.C. 7:27-22.16(o)]	None.
9	Annual emission limit for six (6) engines. NOx (Total) <= 64.7 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by fuel flow/firing rate instrument continuously.[N.J.A.C. 7:27-22.16(o)].	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation and following calculations: The NOx ton per year value shall be calculated using the following formula: (Ton/Year) = (A lb/MMBTU) x (B BTU/scf) x (MMscf of landfill gas consumed by the engine during the calendar year) x (1 ton / 2000 lb). A = Emission Factor (0.150 lb/MMBTU) for NOx as stated in this permit. B = Heating Value for Landfill Gas (monthly average of higher heating value of the landfill gas as measured by plant personnel). The landfill gas flow to all engines shall be continuously measured by a flow totalizer, and the monthly landfill gas flow measurements shall be manually recorded. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Annual emission limit for six (6) engines. VOC (Total) <= 20.22 tons/yr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation and following calculations: The VOC(Total) ton per year value shall be calculated using the following formula: (Ton/Year) = (A lb/MMBTU) x (B BTU/scf) x (MMscf of landfill gas consumed by the engine during the calendar year) x (1 ton / 2000 lb). A = Emission Factor (0.0470 lb/MMBTU) for VOC as stated in this permit). B = Heating Value for Landfill Gas (monthly average of higher heating value of the landfill gas as measured by plant personnel). The landfill gas flow to all engines shall be continuously measured by a flow totalizer, and the monthly landfill gas flow measurements shall be manually recorded. [N.J.A.C. 7:27-21.16(o)]	None.
11	Annual emission limit for six (6) engines. HAPs (Total) <= 4.9 tons/yr. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system annually. The HAPs ton per year value shall be calculated using the following formula: (Ton/Year) = (A lb/MMBTU) x (B BTU/scf) x (MMscf of landfill gas consumed by the engine during the calendar year) x (1 ton / 2000 lb). A = Emission Factor (0.0114 lb/MMBTU) for HAPs as stated in this permit. B = Heating Value for Landfill Gas (monthly average of higher heating value of the landfill gas as measured by plant personnel). The landfill gas flow to all engines shall be continuously measured by a flow totalizer, and the monthly landfill gas flow measurements shall be manually recorded. [N.J.A.C. 7:27-22.16(o)]	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Annual emission rate for six (6) engines. SO2 <= 29.7 tons/yr. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by grab sampling semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year. Three grab samples of the fuel gas shall be taken at the same time. This shall be done every 6 months. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by other recordkeeping method (provide description) semiannually: once every six months; six month cycle shall begin on January 1 and July 1 of each year Take the result of % of sulfur in fuel before combustion (the average of the three tests) and volume of gas burned in the respective calendar year. With both figures, calculate SO2 tons per year by summing the first 6 month cycle and the second six month cycle. [N.J.A.C. 7:27-22.16(o)]	Other (provide description): As per the approved schedule. The six month cycle shall begin on January 1 and July 1 of each year. Submit results with semi-annual treatment system report to EPA. [N.J.A.C. 7:27-22.16(a)]
13	Annual emission limit for six (6) engines. Hydrogen chloride <= 3.4 tons/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by fuel flow/firing rate instrument continuously.[N.J.A.C. 7:27-22.16(o)].	Hydrogen chloride: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation and following calculations: The HCl ton per year value shall be calculated using the following formula: (Ton/Year) = (A lb/MMBTU) x (B MMBTU/MMscf) x (MMscf of landfill gas consumed by the engine during the calendar year) x (1 ton / 2000 lb). A = Emission Factor (0.0079 lb/MMBTU) for HCl as stated in this permit. B = Heating Value for Landfill Gas (monthly average of higher heating value of the landfill gas as measured by plant personnel). The total fuel flow to all engines shall be continuously measured by a flow totalizer, and the monthly measurements shall be manually recorded. [N.J.A.C. 7:27-22.16(o)]	None.
14	All requests, reports, applications, submittals, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region 2 Administrator. [40 CFR 60.4(a)]	None.	None.	Other (provide description): As per the approved schedule , submit reports to EPA Region 2 as required by 40 CFR 60. Submit Information to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.4(a)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Submit a copy of all requests, reports, applications, submittals, and other communication required by 40 CFR 60 to the Metro Regional Enforcement Office of NJDEP. [40 CFR 60.4(b)]	None.	None.	Other (provide description): As per the approved schedule , submit reports to Metro Regional Office as required by 40 CFR 60. Submit Information to: Metro Regional Office, NJDEP, 2 Babcock Place, West Orange, New Jersey, 07052. [40 CFR 60.4(b)]
16	A notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in section 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. [40 CFR 60.7(a)(4)]	None.	None.	Comply with the requirement: Upon occurrence of event submit notification to EPA Region 2 and the Metro Regional Office per 40 CFR 60.7. [40 CFR 60.7(a)(4)]
17	Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any start-up, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]	None.	Other: Manual logging of Parameter (Permanently Bound). Upon occurrence of event.[40 CFR 60.7(b)].	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]	None.	None.	None.
19	No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]	None.	None.	None.
20	The owner or operator shall route all the collected gas to a control system that complies with the requirements in either paragraph 60.752(b)(2)(iii) (A), (B), or (C) [40 CFR 60.752(b)(2)(iii)]	None.	None.	Comply with the requirement: As per the approved schedule. Submit protocol, conduct tests and submit results. Refer to stack testing requirements specified in this permit. [40 CFR 60.754(d)]
21	The owner or operator shall operate the collection system such that all collected gases are vented to a control system designed and operated in compliance with 40 CFR 60.752(b)(2)(iii). In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour. [40 CFR 60.753(e)]	None.	None.	Comply with the requirement: As per the approved schedule. In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour. [40 CFR 60.753(e)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	The owner or operator shall operate the control or treatment system at all times when the collected gas is routed to the system. [40 CFR 60.753(f)]	None.	None.	None.
23	The provisions of NSPS Subpart WWW apply at all times, except during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 5 days for collection systems and shall not exceed 1 hour for treatment or control devices. [40 CFR 60.755(e)]	None.	None.	None.
24	Each owner or operator shall submit an equipment removal report to the Administrator 30 days prior to removal or cessation of operation of the control equipment. [40 CFR 60.757(e)]	None.	None.	Submit a report: As per the approved schedule. The equipment removal report shall contain all of the following items: (i) A copy of the closure report submitted in accordance with 40 CFR 60.757(d); (ii) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and (iii) Dated copies of three successive NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year. [40 CFR 60.757(e)]
25	Other Gaseous Fuel Usage <= 1,844 MMft^3/yr of treated landfill gas for six engines. [N.J.A.C. 7:27-22.16(a)]	Other Gaseous Fuel Usage: Monitored by gas use totalizing meter continuously, based on a consecutive 12 month period (rolling 1 month basis). The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Other Gaseous Fuel Usage: Recordkeeping by manual logging of parameter each month during operation. [N.J.A.C. 7:27-22.16(o)]	

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
26	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment, or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged in the atmosphere. [40 CFR 60.12]	None.	None.	None.
27	Treatment of landfill gas includes: filter, chiller, compressor, generator, and /or turbine. The treatment system must not have any vents or atmospheric emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
28	Ocean Energy Corporation owns and operates the compression, de-watering, and filtering equipment and processes that are used to treat the landfill gas that is received from the Ocean County Landfill. The flow of the gas from Ocean County Landfill to Ocean Energy Corporation is fully automated. The gas treatment system used at Ocean Energy Corporation is not equipped with atmospheric vents. Therefore, all of the landfill gas received by the system is directed to the IC engines for use as a fuel. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	The facility shall develop and implement a written startup, shutdown, and malfunction (SSM) plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction; a program of corrective action for malfunctioning process; and air pollution control and monitoring equipment used to comply with this standard During periods of startup, shutdown, and malfunction, the facility must operate and maintain the affected source in accordance with the procedures specified in the SSM plan. [40 CFR 63.1955]	None.	Other: When actions taken by the owner/operator during a startup, shutdown, or malfunction are consistent with the procedures specified in the affected source's SSM plan,the owner/operator must keep records for that event which demonstrate that the procedures specified in the plan were followed. In addition, the owner/operator must keep records of these events as specified in 63.10(b), including records of operation and each malfunction of the air pollution control and monitoring equipment. Furthermore, the owner/operator shall confirm that actions taken during the startup, shutdown, and malfunction were consistent with the SSM plan in the semiannual report as required in 63.10(d)(5).[40 CFR 63.1955].	Submit a report: As per the approved schedule If an action taken by the facility is not consistent with the SSM plan, and the affected source exceeds the relevant emission standard, then the owner/operator must record the actions taken for that event and must report such actions within 2 working days after commencing actions inconsistent with the SSM plan, followed by a letter within 7 working days after the end of the event. EPA or NJDEP may at any time request in writing that the facility submit a copy of the SSM plan (or a portion thereof) which is maintained at the affected source. Upon receipt of such a request, the facility must promptly submit a copy of the requested plan to EPA or NJDEP. EPA or NJDEP must request that the facility submit a SSM plan whenever a member of the public submits a specific and reasonable request to examine or to receive a copy of that plan or portion of a plan. If the facility claims that any portion of such a SSM plan is confidential business information entitled to protection from disclosure under section 114(c) of the Act or 40CFR2.301, the material which is claimed as confidential must be clearly designated in the submission. [40 CFR 63.1955]
30	During periods of startup, shutdown, and malfunction, the owner or operator of an affected source must operate and maintain such source, including APC and monitoring equipment, in accordance with the procedures specified in the startup, shutdown, and malfunction plan developed under paragraph 40 CFR 63.6(e)(3)(i). [40 CFR 63.6(e)(ii)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	The owner or operator of an affected source must keep records of actions taken during a startup, shutdown, or malfunction, which are consistent with the procedures specified in the affected source's startup, shutdown, and malfunction plan, including records of the occurence and duration of each startup, shutdown, and malfunction of operation and each malfunction of the APC and monitoring equipment. [40 CFR 63.6(e)(3)(iii)]	None.	Recordkeeping by manual logging of parameter upon occurrence of event The owner and operator shall maintain relevant records for such source of: (1) The occurrence & duration of each startup, shutdown, or malfunction of operation (i.e. process equipment); (2) The occurrence and duration of each malfunction of the required air pollution control (APC) and monitoring equipment; (3) All required maintenance performed on the APC and monitoring equipment; (4) Actions taken during periods of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and APC and monitoring equipment to its normal or usual manner of operation) when such actions are different from the procedures specified in the affected source's startup, shutdown, and malfunction plan; (5) All information necessary to demonstrate conformance with the affected source's startup, shutdown, and malfunction plan when all actions taken during periods of startup, shutdown, and malfunction (including corrective actions to restore malfunctioning process and APC and monitoring equipment to its normal or usual manner of operation) are consistent with the procedures specified in such plan. (The information needed to demonstrate conformance witht he startup, shutdown, and malfunction plan may be recorded using a "checklist", or some other effective form of recordkeeping, in order to minimize the recordkeeping burden for conforming events). [40 CFR 63.10(b)(2)]	Submit a report: Semiannually beginning within 6 months of initial start-up. The startup, shutdown, or malfunction report shall consist of a letter containing: name, title, and signature of the owner or operator and shall be submitted to the Administrator. The report shall be delivered by the 30th day following the end of each calendar half. The report shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. [40 CFR 63.10(d)(5)(i)]
32	If the startup, shutdown, and malfunction plan fails to address or inadequately address an event, the owner or operator of an affected source must revise the startup, shutdown, and malfunction plan of such a source within 45 days after the event. [40 CFR 63.6(e)(3)(viii)]	None.	None.	Submit a report: Upon occurrence of event. Each startup, shutdown, and malfunction plan revision must be reported in the semiannual report required by 40 CFR 63.10(d)(5). [40 CFR 63.6(e)(3)(viii)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
33	For the purposes of the landfill monitoring and SSM plan requirements, deviations as defined in (40 CFR 63. 1990) include the items in paragraphs (a) through (c) of this section. (a) A deviation occurs when the control device operating parameter boundaries described in 40 CFR 60.758(c)(1) of subpart WWW are exceeded. (b) A deviation occurs when 1 hour or more of the hours during the 3-hour block averaging period (refer to 40 CFR 63.1975) does not constitute a valid hour of data. A valid hour of data must have measured values for at least three 15-minute monitoring periods within the hour. [40 CFR 63.1965]	None.	None.	Submit a report: Upon occurrence of event to the extent this requirement may be applicable to equipment owned or operated by permittee, i.e. sulfatreat, filter, chiller, compressor, generator, and turbine. The report shall consist of a telephone call or facsimile and shall be submitted within 2 working days after commencing action, followed by a letter delivered or postmarked within 7 working days after the end of an event. [40 CFR 63.10(d)(5)(ii)]
34	For equipment subject to MACT, malfunctions shall be corrected as soon as practicable after their occurrence, in accordance with the startup, shutdown, and malfunction plan required under 40 CFR 63.6(e)(3). [40 CFR 63.6(e)(1)(ii)]	None.	None.	Comply with the requirement: Upon occurrence of event. Correct the malfunction as soon as practicable, in accordance with the startup, shutdown, and malfunction plan. [40 CFR 63.6(e)(1)(ii)]
35	The non-opacity emission standards shall apply at all times except during periods of startup, shutdown, and malfunction. [40 CFR 63.6(f)(1)]	None.	None.	None.
36	An owner or an operator of a landfill gas treatment system must submit a semi-annual report to EPA describing the monitoring and operational practices. [40 CFR 60.756(d)]	None.	None.	Submit a report: As per the approved schedule The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.756(d)]
37	The permittee shall submit a periodic emission monitoring protocol to the Department for review and approval. The periodic emission monitoring equipment protocol shall be approved prior to startup. [N.J.A.C. 7:27-22.16(a)]			Submit an equipment protocol: Within 30 days from the date of the approved permit to the Department for review and approval. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
38	All gas received by Manchester Renewable Power Corporation must be sent to the treatment system, before being sent to the engines. If the treatment system is not operating at manufacturer's specification, the landfill gas may not be used by any of the six engines and must be flared at Ocean County Landfill. [40 CFR 60.752(b2)(iii)(c)]	None.	None.	Submit a report: Every six months on January 1 and July 1 of each year but started no sooner than three months after the effective date of the approved permit. The first report shall include data for the three months preceding the reporting half-year, if applicable. Reports are due 30 days after the reporting period. The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.752]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
39	Operate a gas treatment system for the landfill gas (LFG) prior to combustion in the six reciprocating internal combustion engine. The treatment system shall include (in this order): 1) A Primary filter vessel that contains coalescing filter, which is designed to remove particles in the gas stream that are 0.3 microns and larger. Condensate collected by the coalescing filter falls to the bottom of the vessel where it is immediately transferred by gravity to a sump that transfers the liquid back to the landfill for processing. 2) Gas blowers (four separate blowers) for compression of the de-watered LFG. 3) An air-to-gas cooler to reduce the temperature of the gas (which is heated by the blower during gas compression). 4) A polishing filter vessel that contains coalescing filter, which is designed to remove particles in the gas stream that are 0.3 microns and larger. Condensate collected by the coalescing filter falls to the bottom of the vessel where it is immediately transferred by gravity to a sump that transfers the liquid back to the landfill for processing. The treatment system qualifies as a control system pursuant to 40 CFR 60 Subpart WWW, consistent with past USEPA determinations. Monitoring parameters, to ensure proper operation of the treatment system, are included under 40 CFR 60.756. [40 CFR 60.752(b)(2)(iii)]. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
40	All gas must be received by a control system which includes a treatment system that processes the collected gas for subsequent use. [40 CFR 60.752(b)(2)(iii)]	None.	None.	None.
41	Operate the facility such that all collected gases are routed to a control system (the treatment system) designed and operated in compliance with 40 CFR 60.752(b)(2)(iii)(C). In the event the control system (the treatment system) is inoperable, the gas mover system must be shut down and the landfill gas must be sent to the flare, located at Ocean County Landfill. [40 CFR 60.752(b)]	Other: The time duration of shutdown of the treatment system must be recorded. The standard operating procedure for shutdown of the landfill gas treatment system is to: 1. Ensure there are no unsafe conditions. 2. Contact prior to shutdown the MRPC in charge Plant Operator and notify appropriate Ocean County Landfill representatives that the landfill gas treatment and electricity generation processes will be shutdown. Extended shutdowns of the specified equipment will require startup of the Ocean County Landfill gas flaring process. 3. Initiate the proper equipment, process, and system shutdown sequence by one or more of the following: a. Press Emergency Stop as determined to be necessary. b. Close On/Off Switch(es) or push On/Off button(s). c. Close adjacent valves as determined to be necessary. 4. Observe that system achieves normal shutdown ranges for appropriate gas and fluid levels, pressures, and temperatures. 5. Complete the appropriate SSM reporting forms and documents. 6. Refer to Operations and Maintenance Manuals as determined when necessary. [40 CFR 60.752].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The time duration of shutdown of the treatment system must be recorded.. [40 CFR 60.752]	Submit a report: Every six months on January 1 and July 1 of each year but started no sooner than three months after the effective date of the approved permit. The first report shall include data for the three months preceding the reporting half-year, if applicable.. The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.752]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
42	Operate the facility such that all collected gases are routed to a control system (the treatment system) designed and operated in compliance with 40 CFR 60.752(b)(2)(iii)(C). In the event the control system (the treatment system) is inoperable, the gas mover system must be shut down and the landfill gas must be sent to the flare, located at Ocean County Landfill. [40 CFR 60.752(b)]	Other: The time duration of malfunction of the treatment system must be recorded. The standard operating procedures for malfunction of the landfill gas treatment system is to: 1. If the landfill gas is determined to be venting form the gas treatment system, the equipment and processes will be immediately isolated from the Ocean County Landfill gas collection system. 2. An investigation of the equipment that caused the malfunction will be performed and corrective actions implemented. 3. After the cause of the malfunction has been identified and corrective actions implemented, the fuel use and electricity generation processes will be restarted using the procedures specified in the SSM plan. 4. The appropriate SSM reporting forms and documents must be completed. Duration is the time it takes from discovery of the malfunction to Step 3 specified in the preceding text (unless continuous monitoring records indicate the malfunction started earlier). 5. Refer to operations and Maintenance Manuals as determined to be necessary. [40 CFR 60.752].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The time duration of malfunction of the treatment system must be recorded. [40 CFR 60.752]	Submit a report: Every six months on January 1 and July 1 of each year but started no sooner than three months after the effective date of the approved permit. The first report shall include data for the three months preceding the reporting half-year, if applicable. The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.752]
43	If the treatment system or the engines are not operating according to the applicable requirements and the manufacturer's specifications, the engines and the treatment system must be shutdown in one hour or less. After the shut down is complete, the landfill gas must be returned to Ocean County Landfill. [40 CFR 60.753(e)]	Other: The time duration of shutdown of the engines or the treatment system must be monitored. [40 CFR 60.753(e)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The time duration of shutdown of the engines or the treatment system must be recorded. [40 CFR 60.753(e)]	Submit a report: Every six months on January 1 and July 1 of each year but started no sooner than three months after the effective date of the approved permit. The first report shall include data for the three months preceding the reporting half-year, if applicable. The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.753(e)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
44	Operate the Treatment System's Pressure Discharge Blower at 0.5 psig or greater. [40 CFR 60.756(d)]	Monitored by pressure indicator continuously. The pressure shall be monitored with a pressure switch that is located after the polishing filter vessel and notifies a plant operator (by audio alarm and/or phone communication to an operator carried pager) of an exceedance condition (i.e. the set point of the switch has been tripped). If the pressure of the gas in the treatment system monitored after the polishing filter vessel is less than 0.5 psig, the electricity generation processes will be shut down and an investigation of the equipment will be performed and corrective actions implemented prior to startup. [40 CFR 60.756(d)]	Recordkeeping by manual logging of parameter or storing data in a computer data system daily. Any pressure less than 0.5 psig, and any corrective action taken to restore the pressure back to 0.5 psig and greater shall be recorded daily. Treatment system component data must be kept on site for seven years. [40 CFR 60.757(f)]	Submit a report: Every six months on January 1 and July 1 of each year but started no sooner than three months after the effective date of the approved permit. The first report shall include data for the three months preceding the reporting half-year, if applicable. The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.758(c)(iii)]
45	Pressure Drop <= 2 psi d. The pressure differential across the primary coalescing filter vessel (vacuum side of the blowers) of the treatment system shall be equal to or less than 2 psid (pound per square inch differential). The polishing filter (pressure side of blower and downstream of the gas cooler) of the treatment system should be equal or less than 2 psid. [40 CFR 60.756(d)]	Pressure Drop: Monitored by pressure indicator each hour during operation. The pressure drop across each of the primary coalescing filter vessel is greater than 2.0 psid, the electricity generation processes shall be shut down and the associated filter must be replaced and/or investigations shall be performed to evaluate potential malfunctions of upstream LFG de-watering equipment and corrective actions implemented prior to startup. [40 CFR 60.756(d)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. Any pressure differential greater than 2.0 psid, and any corrective action taken to restore the pressure back to 2.0 psid and less shall be recorded daily. Treatment system component data must be kept on site for seven years. [40 CFR 60.757(f)]	Submit a report: Every six months on January 1 and July 1 of each year but started no sooner than three months after the effective date of the approved permit. The first report shall include data for the three months preceding the reporting half-year, if applicable. The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886 . [40 CFR 60.758(c)(iii)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
46	Pressure Drop <= 3 psi d. The pressure differential across the polishing coalescing filter vessel (pressure side of the blowers and downstream of gas cooler) of the treatment system shall be equal or less than 3 psid (pound per square inch differential). The polishing filter (pressure side of blower and downstream of the gas cooler) of the treatment system should be equal or less than 2 psid. [40 CFR 60.756(d)]	Pressure Drop: Monitored by pressure indicator each hour during operation. The pressure drop across each of the primary coalescing filter vessel is greater than 3.0 psid, the electricity generation processes shall be shut down and the associated filter must be replaced and/or investigations shall be performed to evaluate potential malfunctions of upstream LFG de-watering equipment and corrective actions implemented prior to startup. [40 CFR 60.756(d)]	Pressure Drop: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. Any pressure differential greater than 3.0 psid, and any corrective action taken to restore the pressure back to 3.0 psid and less shall be recorded daily. Treatment system component data must be kept on site for seven years. [40 CFR 60.757(f)]	Submit a report: Every six months on January 1 and July 1 of each year but started no sooner than three months after the effective date of the approved permit. The first report shall include data for the three months preceding the reporting half-year, if applicable. The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.758(c)(iii)]
47	Temperature <= 130 degrees F. The temperature of the air-to-gas cooler of the treatment system shall be maintained at a temperature less than or equal to 130 degrees F. [40 CFR 60.756(d)]	Temperature: Monitored by temperature instrument continuously. The temperature shall be monitored with a temperature switch set at 130 degrees F, that is located after the polishing coalescing filter vessel and notifies a plant operator (by audio alarm and/or phone communication to an operator carried pager of an exceedance (i.e. the set point of the switch has been tripped. If the temperature of the gas in the treatment system monitored after the polishing coalescing filter vessel is greater than 130 degrees F the electricity generation processes will be shut down immediately, and an investigation of the equipment shall be performed and corrective actions implemented prior to startup. [40 CFR 60.756(d)]	Temperature: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. Any temperature greater than 130 degrees F, and any corrective action taken to restore the temperature to 130 degrees F and less shall be recorded daily. Treatment system component data must be kept on site for seven years. [40 CFR 60.757(f)]	Submit a report: Every six months on January 1 and July 1 of each year but started no sooner than three months after the effective date of the approved permit. The first report shall include data for the three months preceding the reporting half-year, if applicable. The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.758(c)(iii)]
48	An owner or an operator of a landfill gas treatment system must submit a semi-annual report to EPA describing the monitoring and operational practices. [40 CFR 60.756(d)]	None.	None.	Submit a report: As per the approved schedule The six month cycles shall begin on January 1 and July 1. Submit semi-annual report to: Air Compliance Branch EPA Region 2 290 Broadway New York, New York 10007-1886. [40 CFR 60.756(d)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
49	For landfills that use a device other than an open flare or enclosed combustor to control the landfill gas (the treatment system) the owner or operator will provide information satisfactory to the Administrator describing the operation of the control device (the treatment system), the operating parameters that would indicate proper performance and appropriate monitoring procedures. The Administrator will review the information and either approve it or request that additional information be submitted. [40 CFR 60.756(d)]	None.	None.	Obtain approval: As per the approved schedule i.e. The owner or operator shall obtain approval of the treatment system plan from the Administrator within 180 days of initial startup of the Ocean Energy Corporation Engines. The treatment system plan was submitted to the Department on July 20, 2006. This plan was faxed to EPA by the Department on August 4, 2006. [40 CFR 60.756(d)]
50	The landfill source shall keep up-to-date, readily accessible records for the life of the control equipment (the treatment system). Records of subsequent tests or monitoring shall be maintained for a minimum of 7 years. Records of the treatment system devices' specifications must be kept until the equipment is removed. [40 CFR 60.758(f)]	None.	Other: Keep records on readily-accessible files for seven years. Treatment system component data must be kept on site for seven years. Records of the treatment system devices' specifications must be kept until the equipment is removed. [40 CFR 60.758(a)].	None.
51	Each owner or operator shall submit reports every 6 months to the Administrator. For enclosed combustion devices and flares, reportable exceedances are defined under 40 CFR 60.758 (c) [40 CFR 60.757(f)] and [40 CFR 63.1980(a)] [40 CFR 60.c]	None.	None.	Submit a report: As per the approved schedule to the extent this requirement may be applicable to equipment owned or operated by permittee, i.e. filter, chiller, compressor, generator, and turbine. The biannual report shall include the following information: (1) Value and length of time for exceedance of applicable parameters monitored under 40 CFR 60.756(b). (2) Description and duration of all periods when the gas stream is diverted from the control device through a bypass line or the indication of the bypass flow as specified under 40 CFR 60.756. (3) Description and duration of all periods when the control device was not operating for a period exeeding one hour and length of time the control device was not operating. [40 CFR 60.757(f)] & [40 CFR 63.1980(a)]. [40 CFR 60.756]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
52	Because the facility(MRPC) is required to install and monitor a control system under 40 CFR 60 Subpart WWW, the facility must comply with the requirements in 40 CFR 63.1960 through 63.1985 and with the general provisions of part 63 as specified in table 1 of Subpart AAAA. [40 CFR 63.1955(a)]	None.	None.	None.

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Emission Unit: U7 Six Ocean Energy Corp. CAT 3520 Lean Burn Reciprocating Engines

Operating Scenario: OS1 Lean Burn Reciprocating Engine - OEC1, OS2 Lean Burn Reciprocating Engine- OEC2, OS3 Lean Burn Reciprocating Engine- OEC3, OS4 Lean Burn Reciprocating Engine- OEC4, OS5 Lean Burn Reciprocating Engine- OEC5, OS6 Lean Burn Reciprocating Engine- OEC6

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 7.1 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	None.	None.	None.
2	TSP <= 0.98 lb/hr. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing once initially and every 5 years, based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results once initially and every 5 years. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	PM-10 (Total) <= 0.98 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing at the approved frequency, based on any 60 minute period. The permittee shall stack test once initially, once at the end of second year of operation of engine, and thereafter prior to permit renewal. The Department reserves the right to additional stack testing if necessary. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results once initially and prior to permit renewal. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. For initial and renewal testing, refer to stack testing requirements specified in this permit. For interim testing, submit protocol 60 days prior to end of second year of operation of engine to the Chief BTS for review and approval. Within 30 days of protocol approval, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. The stack test must be conducted within 120 days from the date of the approved protocol. The stack test report must be submitted Chief BPP and to Chief BTS within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a New Jersey licensed professional engineer or certified industrial hygienist. A copy of the test results must be submitted with the operating permit renewal application due at least 12 months prior to expiration of the Operating Permit. Test results shall report in gr/bh-hr, lbs/hour, lbs/MM Btu, ppm (as needed) . [N.J.A.C. 7:27-22.18(e)] and [N.J.A.C. 7:27-22.18(h)]. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	PM-10 (Total) <= 0.2 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing at the approved frequency, based on any 60 minute period. The permittee shall stack test once initially, once at the end of second year of operation of engine, and thereafter prior to permit renewal. The Department reserves the right to additional stack testing if necessary. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results at the approved frequency. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. For initial and renewal testing, refer to stack testing requirements specified in this permit. For interim testing, submit protocol 60 days prior to end of second year of operation of engine to the Chief BTS for review and approval. Within 30 days of protocol approval, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. The stack test must be conducted within 120 days from the date of the approved protocol. The stack test report must be submitted Chief BPP and to Chief BTS within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a New Jersey licensed professional engineer or certified industrial hygienist. A copy of the test results must be submitted with the operating permit renewal application due at least 12 months prior to expiration of the Operating Permit. Test results shall report in gr/bh-hr, lbs/hour, lbs/MM Btu, ppm (as needed) . [N.J.A.C. 7:27-22.18(e)] and [N.J.A.C. 7:27-22.18(h)]. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	PM-2.5 (Total) <= 0.98 lb/hr. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by stack emission testing at the approved frequency, based on any 60 minute period. The permittee shall stack test once initially, once at the end of second year of operation of engine, and thereafter prior to permit renewal. The Department reserves the right to additional stack testing if necessary. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by stack test results once initially and prior to permit renewal. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. For initial and renewal testing, refer to stack testing requirements specified in this permit. For interim testing, submit protocol 60 days prior to end of second year of operation of engine to the Chief BTS for review and approval. Within 30 days of protocol approval, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. The stack test must be conducted within 120 days from the date of the approved protocol. The stack test report must be submitted Chief BPP and to Chief BTS within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a New Jersey licensed professional engineer or certified industrial hygienist. A copy of the test results must be submitted with the operating permit renewal application due at least 12 months prior to expiration of the Operating Permit. Test results shall report in gr/bh-hr, lbs/hour, lbs/MM Btu, ppm (as needed) . [N.J.A.C. 7:27-22.18(e)] and [N.J.A.C. 7:27-22.18(h)]. [N.J.A.C. 7:27-22.16(o)]
6	VOC (Total) <= 0.77 lb/hr. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing once initially and every 5 years, based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results once initially and every 5 years. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
7	VOC (Total) <= 0.16 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by stack emission testing once initially and every 5 years, based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by stack test results once initially and every 5 years. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	CO <= 13.54 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing once initially and every 5 years, based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results once initially and every 5 years. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
9	CO <= 356 ppmvd @ 15% O2. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by periodic emission monitoring each month during operation, based on any consecutive 30-minute period using a test method 22, 30, 34 or a method approved by the Department. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter each month during operation. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Every year beginning on the first of January but no sooner than three months following the effective date of the approved permit. The first report shall include data for the three months preceding the reporting year, if applicable.. Submit the report of the monthly readings to the Chief BTS and Chief BPP. [N.J.A.C. 7:27-22.16(o)]
10	CO <= 13.54 lb/hr. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by periodic emission monitoring each month during operation, based on any consecutive 30-minute period using a test method 22, 30, 34 or a test method approved by the Department. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter each month during operation. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Every year beginning on the first of January but no sooner than three months following the effective date of the approved permit. The first report shall include data for the three months preceding the reporting year, if applicable.. Submit the report of the monthly readings to the Chief BTS and Chief BPP. [N.J.A.C. 7:27-22.16(o)]
11	CO <= 500 ppm @ 15% O2. [N.J.A.C. 7:27-16.10(b)]	None.	None.	None.
12	CO <= 2.75 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by stack emission testing once initially and every 5 years, based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by stack test results once initially and every 5 years. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
13	CO <= 2.75 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by periodic emission monitoring at the approved frequency : daily for the first month of operation of engine, once every week for the next five months and then once a month thereafter to determine compliance. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter at the approved frequency. The records of all the readings taken by the periodic emission monitor shall be recorded and maintained in a manner acceptable to the Department. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Every year beginning on the first of January but no sooner than three months following the effective date of the approved permit. The first report shall include data for the three months preceding the reporting year, if applicable. Submit the yearly report to Chief BTS and to Chief BPP. [N.J.A.C. 7:27-22.16(o)]
14	SO2 <= 1.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	SO2: Monitored by stack emission testing once initially and every 5 years, based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	SO2: Recordkeeping by stack test results once initially and every 5 years. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	NOx (Total) <= 2.46 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing once initially and every 5 years, based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results once initially and every 5 years. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
16	NOx (Total) <= 2.46 lb/hr. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by periodic emission monitoring each month during operation, based on any consecutive 30-minute period using a test method 22, 30, 34 or a test method approved by the Department. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Every year beginning on the first of January but no sooner than three months following the effective date of the approved permit. The first report shall include data for the three months preceding the reporting year, if applicable.. Submit the report of the monthly readings to the Chief BTS and Chief BPP. [N.J.A.C. 7:27-22.16(o)]
17	NOx (Total) <= 0.5 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by stack emission testing once initially and every 5 years, based on any 60 minute period. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by stack test results once initially and every 5 years. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]
18	NOx (Total) <= 0.5 grams/brake horsepower-hour. [N.J.A.C. 7:27-22.16(a)]	NOx (Total): Monitored by periodic emission monitoring each month during operation, based on any consecutive 30-minute period using a test method 22, 30, 34 or a test method approved by the Department. [N.J.A.C. 7:27-22.16(o)]	NOx (Total): Recordkeeping by manual logging of parameter each month during operation. [N.J.A.C. 7:27-22.16(o)]	Submit test results: Every year beginning on the first of January but no sooner than three months following the effective date of the approved permit. The first report shall include data for the three months preceding the reporting year, if applicable.. Submit the yearly report of the monthly readings to the Chief BTS and Chief BPP. [N.J.A.C. 7:27-22.16(o)]
19	Other Gaseous Fuel Usage <= 307.3 MMft^3/yr per engine of landfill gas. [N.J.A.C. 7:27-22.16(a)]	Other Gaseous Fuel Usage: Monitored by gas use totalizing meter daily, based on a consecutive 12 month period (rolling 1 month basis) , electric generating records and total facility fuel flow. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Other Gaseous Fuel Usage: Recordkeeping by manual logging of parameter each month during operation , electric generating records and total fuel flow to all engines, which shall be continuously measured by a flow totalizer. The monthly flow measurements shall be manually recorded. [N.J.A.C. 7:27-22.16(o)]	

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	NOx (Total) <= 2.5 grams/brake horsepower-hour. On and after March 7, 2007, this limit will be revised for engines used for electric generation to 1.5 gms-bhp-hr or an emission rate which is equivalent to 80 percent NOx reduction from the uncontrolled NOx emission level. [N.J.A.C. 7:27-19.8]	NOx (Total): Monitored by stack emission testing once initially and every 5 years, based on the average of three 1-hour tests. For any equipment or source operation which was in operation prior to January 1, 1995, the owner or operator shall demonstrate compliance by May 31, 1996. For any equipment or source operation which commences operation or is altered after January 1, 1995, the owner or operator shall demonstrate compliance within 180 days from the date on which the source operation commences operation. [N.J.A.C. 7:27-19.15(a)2]	NOx (Total): Recordkeeping by stack test results once initially and every 5 years. [N.J.A.C. 7:27- 8.13(d)3]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-19.15(a)2]
21	HCl Emissions <= 0.13 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
22	Oxygen > 6 %. [N.J.A.C. 7:27-22.16(a)]	Oxygen: Monitored by stack emission testing once initially and every 5 years, based on an instantaneous determination and thereafter using a periodic emissions monitor, monthly, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Oxygen: Recordkeeping by stack test results once initially and every 5 years and by manual logging of portable emissions monitoring results thereafter. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Refer to stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	Adjust the combustion process in accordance with N.J.A.C.7:27-19.16 each calendar year. Record NOx and CO conc. after each adjustment and the O2 conc. at which NOx and CO were measured. [N.J.A.C. 7:27-16.10(e)]	Other: Adjust combustion process in accordance to the manufacturer's recommended procedures and maintenance schedule.[N.J.A.C. 7:27-16.8(c)].	Recordkeeping by manual logging of parameter or storing data in a computer data system at the manufacturer's specified frequency cin a logbook or readily accessible computer data system and retained for a minimum of five years, to be made accessible to the Department upon request. Such record shall contain the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The type of procedure and maintenance performed; 4. The concentration of NOx, CO and O2 measured before and after the adjustment was made, and 5. The type and amout of fuel use over the 12 months prior to adjustment. [N.J.A.C. 7:27-19.16(h)]	None.
24	Methane: Requirement to continuously monitor and continuously record the percentage of methane in the landfill gas. [N.J.A.C. 7:27-22.16(a)]	Other: Methane Gas Analyzer. Continuously.[N.J.A.C. 7:27-22.16(o)].	Methane: Recordkeeping by data acquisition system (DAS) / electronic data storage every 15 minutes. [N.J.A.C. 7:27-21.16(o)]	None.
25	During startup and shutdown periods smoke emissions no greater than 20% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds. The engine startup and shutdown time shall be less than 5 minutes. Opacity <= 20 %. [N.J.A.C. 7:27-22.16(o)]	None.	None.	None.
26	Smoke emissions no greater than 10% opacity, exclusive of visible condensed water vapor, for more than 10 consecutive seconds, except for startups or shutdowns. The engine startup and shutdown time shall be less than 5 mins. Opacity <= 10 %. [N.J.A.C. 7:27-22.16(o)]	Opacity: Monitored by stack emission testing once initially and every 5 years, based on the averaging period as per approved sampling protocol. Refer to the stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by stack test results at the approved frequency. Refer to the stack testing requirements specified in this permit. [N.J.A.C. 7:27-22.16(o)]	Submit a stack test report: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	Fuel type limited to treated landfill gas. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.

Section B

POLLUTANT EMISSIONS SUMMARY

The following table indicates the facility's Potential to Emit (PTE) emission summary:

Source Categories	Facility total Potential to Emit (tons per year)								
	Primary						Secondary		
	VOC (Total)	NOx	CO	SO2	TSP	Other (Total)	PM-10	Pb	HAPs (Total)
Emission Unit Summary									
Batch Process Summary									
Insignificant Source Worksheet									
Non-Source Fugitive Emission Worksheet									
Intra Facility Enissions Trading Worksheet									
Total Emissions	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Compliance Schedule