

**New Jersey Department of Environmental Protection
Reason for Application**

Permit Being Modified

Permit Class: BOP **Number:** 130001

**Description
of Modifications:** Five-year renewal of operating permit.

New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY Facility ID (AIMS): 35857

Street 50 POLHEMUS LN
Address: BRIDGEWATER, NJ 08807-0400

Mailing 50 POLHEMUS LN
Address: BRIDGEWATER, NJ 08807-0400

County: Somerset
Location Treats and disposes of wastewater and
Description: customer septage, liquid sludge and sludge
 cake.

State Plane Coordinates:	
X-Coordinate:	471,900
Y-Coordinate:	626,900
Units:	Feet
Datum:	NAD83
Source Org.:	Other/Unknown
Source Type:	Other/Unknown

Industry:	
Primary SIC:	4952
Secondary SIC:	
NAICS:	221320

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: Air Permit Information Contact

Organization: Somerset Raritan Valley Sewerage Authority **Org. Type:** Public
Name: James Capps **NJ EIN:** 44002100000
Title: Solid End Supervisor
Phone: (732) 469-0593 x0212 **Mailing Address:** 50 Polhemus Lane
Fax: (732) 469-4179 x Bridgewater, NJ 08807-0400
Other: () - x
Type:
Email: Jimmy.Capps@SRVSA.org

Contact Type: Consultant

Organization: KEMS LLC **Org. Type:** LLC
Name: Karl Monninger **NJ EIN:**
Title: President
Phone: (609) 309-5640 x **Mailing Address:** 368 Hollow Road
Fax: (609) 309-5640 x Skillman, NJ 08558
Other: () - x
Type:
Email: KMonninger@KEMS.us

Contact Type: Fees/Billing Contact

Organization: Somerset Raritan Valley Sewerage Authority **Org. Type:** Public
Name: Ronald Anastasio, P.E. **NJ EIN:** 44002100000
Title: Executive Director
Phone: (732) 469-0593 x0234 **Mailing Address:** 50 Polhemus Lane
Fax: (732) 469-4179 x Bridgewater, NJ 08807-0400
Other: () - x
Type:
Email: Ronald.Anastasio@SRVSA.org

**New Jersey Department of Environmental Protection
Facility Profile (General)**

Contact Type: General Contact

Organization: Somerset Raritan Valley Sewerage Authority

Org. Type: Public

Name: Ronald Anastasio, P.E.

NJ EIN: 44002100000

Title: Executive Director

Phone: (732) 469-0593 x0234

Mailing Address: 50 Polhemus Lane

Fax: (732) 469-4179 x

Bridgewater, NJ 08807-0400

Other: () - x

Type:

Email: Ronald.Anastasio@SRVSA.org

Contact Type: Responsible Official

Organization: Somerset Raritan Valley Sewerage Authority

Org. Type: Public

Name: Ronald Anastasio, P.E.

NJ EIN: 44002100000

Title: Executive Director

Phone: (732) 469-0593 x0234

Mailing Address: 50 Polhemus Lane

Fax: (732) 469-4179 x

Bridgewater, NJ 08807-0400

Other: () - x

Type:

Email: Ronald.Anastasio@SRVSA.org

**New Jersey Department of Environmental Protection
Facility Profile (Permitting)**

1. Is this facility classified as a small business by the USEPA? No
2. Is this facility subject to N.J.A.C. 7:27-22? Yes
3. Are you voluntarily subjecting this facility to the requirements of Subchapter 22? No
4. Has a copy of this application been sent to the USEPA? No
5. If not, has the EPA waived the requirement? No
6. Are you claiming any portion of this application to be confidential? No
7. Is the facility an existing major facility? No
8. Have you submitted a netting analysis? Yes
9. Are emissions of any pollutant above the SOTA threshold? No
10. Have you submitted a SOTA analysis? No
11. If you answered "Yes" to Question 9 and "No" to Question 10, explain why a SOTA analysis was not required

12. Have you provided, or are you planning to provide air contaminant modeling? No

**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	0.000	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)
IS100	Small boiler firing fuel oil less than 1,000,000 BTU/hr heat input	Boiler	Incin. Bldg.	0.002	0.131	0.033	0.187	0.013	0.007	0.000	0.00000000	
IS101	Heaters firing propane, less than 1,000,000 BTU/hr heat input	Fuel Combustion Equipment (Other)	Maintenance shop; warehouse; Admin	0.002	0.114	0.016	0.000	0.003	0.003	0.000	0.00000000	
IS102	Distillate oil tanks not exceeding 10,000 gal capacity including a 275 gal waste oil tank.	Storage Vessel	Incineration; Admin	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	
IS103	Gasoline refueling tank not exceeding 2,000 gallon capacity	Storage Vessel	SE corner of Incin. Bldg.	0.278	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	
IS120	Sludge cake storage bin not exceeding 2,000 cubic ft. capacity	Storage Vessel	NE corner of Incin. Bldg.	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	
IS140	Natural gas fired heaters less than 1 MM BTU/hr heat input	Fuel Combustion Equipment (Other)	Plant	0.058	0.882	0.375	0.006	0.018	0.071	0.000	0.00000000	
IS200	Wastewater treatment plant sources @ < 100 ppb TXS, and <3,500 ppb of total VOC	Storage Vessel	Plant	14.446	0.000	0.000	0.000	0.000	0.000	0.000	1.63760000	
IS201	Three Sodium Hypochlorite Storage Tanks > 10,000 gal capacity	Storage Vessel	Plant	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	
Total				14.790	1.234	0.470	0.192	0.096	0.090	0.000	1.63760000	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	Inc. #1	Fluid Bed incinerator #1	Incinerator	104378		No	12/31/1991	
E2	Inc. #2	Fluid Bed incinerator #2	Incinerator	104379	12/31/1992	No	12/31/1992	
E3	R. C.	Reheat chamber	Fuel Combustion Equipment (Other)	104378/104379		No	12/31/1992	
E4	SBT	Sludge blend tank	Storage Vessel	104378/104379	12/31/1967	No	12/31/1992	
E5	SRS	Septage receiving station	Storage Vessel	104378/104379		No	12/31/1992	
E6	BFP #1	Belt filter press #1	Other Equipment		12/31/1984	No	12/31/2002	
E7	BFP #2	Belt filter press #2	Other Equipment		12/31/1984	Yes	12/31/1984	
E8	BFP #3	Belt filter press #3	Other Equipment		12/31/1992	No	12/31/1992	
E130	T1	Sludge thickener T1	Storage Vessel	123156	12/31/1967	No	12/31/1986	
E131	T2	Sludge thickener T2	Storage Vessel	123156	12/31/1972	No	12/31/1986	
E132	WW	Wet well	Storage Vessel	123156		No	12/31/1986	
E140	B600 Boiler	Building 600 Hot Water Heating Boiler	Boiler		9/17/2012	No	9/17/2012	

**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
CD1	#1 scrubber	Incinerator #1 venturi-scrubber	Scrubber (Multi-Stage)		No	12/31/1991	
CD2	#2 scrubber	Incinerator #2 venturi-scrubber	Scrubber (Multi-Stage)		No	12/31/1992	
CD3	WESP	Wet electrostatic precipitator	Electrostatic Precipitator		No	12/31/1992	
CD4	Cocarb	Headworks building carbon adsorber unit	Adsorber		No	12/31/1992	
CD130	Thk CA	Thickener carbon adsorber unit	Adsorber		No	8/31/1986	

**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	Stack #1	Incinerator stack #1	Round	20	58	133	115.0	60.0	130.0	3,300.0	2,600.0	5,500.0	Up	
PT2	Stack #2	Incinerator stack #2	Round	33	85	120	380.0	60.0	450.0	7,425.0	2,600.0	10,400.0	Up	
PT3	Stack #17	Headworks carbon adsorber exhaust	Round	18	12	150	65.0	40.0	100.0	6,240.0	5,940.0	6,540.0	Up	
PT5	SBT vent	Sludge blend tank building vent	Square		27	150	70.0	40.0	100.0	15.0	1.0	30.0	Horizontal	
PT6	Septage vent	Septage receiving station vent	Rectangle	33	0	100	60.0	40.0	100.0	15.0	1.0	30.0	Up	
PT7	BFPs vent	Belt filter presses vent	Round	72	40	93	70.0	50.0	90.0	10,000.0	5,350.0	10,705.0	Horizontal	
PT130	Stack #15	Thickeners carbon adsorber exhaust	Round	18	10	500	70.0	40.0	100.0	1,400.0	750.0	1,500.0	Up	
PT131	T1 vent	Sludge thickener T1 vent	Round		16	218	70.0	40.0	100.0				Horizontal	
PT132	T2 vent	Sludge thickener T2 vent	Round		21	228	70.0	40.0	100.0				Horizontal	
PT140	B600 Boiler	Building 600 Boiler Stack	Round	10	17	265	475.0	60.0	600.0	519.0	0.0	635.0	Up	

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

U 1 Sludge Proc Two fluidized bed incinerators, three belt filter presses and headworks.

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	Inc 1->Stk2	Incinerator #1, 12ft	Shutdown	E1	CD1 (P) CD3 (S)	PT2								
OS2	Inc 2->Stk2	Incinerator #2, 16ft	Shutdown	E2	CD2 (P) CD3 (S)	PT2								
OS6	SBT	Sludge blend tank	Normal - Steady State	E4	CD1 (S) CD2 (S) CD4 (S)	PT1 PT2 PT3 PT5	5-01-005-06	0.0	8,760.0	A	1.0	10,400.0	40.0	450.0
OS7	Sept	Septage receiving station	Normal - Steady State	E5	CD1 (S) CD2 (S) CD4 (S)	PT1 PT2 PT3 PT6	5-01-005-06	0.0	8,760.0	A	1.0	10,400.0	40.0	450.0
OS8	BFP1	Belt filter press #1	Normal - Steady State	E6	CD2 (S)	PT2 PT7	5-01-005-06	0.0	8,760.0	A	5,000.0	10,705.0	50.0	450.0
OS9	BFP2	Belt filter press #2	Normal - Steady State	E7	CD2 (S)	PT2 PT7	5-01-005-06	0.0	8,760.0	A	5,000.0	10,705.0	50.0	450.0
OS10	BFP3	Belt filter press #3	Normal - Steady State	E8	CD2 (S)	PT2 PT7	5-01-005-06	0.0	8,760.0	A	5,000.0	10,705.0	50.0	450.0

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

U 130 Thickeners Sludge thickeners T1 and T2 and wet well

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS130	T1>AC	Exhaust sludge thickener T1 through its carbon adsorber unit.	Normal - Steady State	E130	CD130 (P)	PT130	5-01-007-71	8,040.0	8,760.0	A	750.0	1,500.0	40.0	100.0
OS131	T2>AC	Exhaust sludge thickener T2 through its carbon adsorber unit.	Normal - Steady State	E131	CD130 (P)	PT130	5-01-007-71	8,040.0	8,760.0	A	750.0	1,500.0	40.0	100.0
OS132	WW>AC	Exhaust wet well through its carbon adsorber unit.	Normal - Steady State	E132	CD130 (P)	PT130	5-01-007-71	8,040.0	8,760.0	A	750.0	1,500.0	40.0	100.0
OS133	T1>air	Exhaust sludge thickener T1 through vent (maintenance mode)	Maintenance	E130		PT131	5-01-007-71	0.0	720.0	A			40.0	100.0
OS134	T2>air	Exhaust sludge thickener T2 through vent (maintenance mode)	Maintenance	E131		PT132	5-01-007-71	0.0	720.0	A			40.0	100.0
OS135	WW>air	Exhaust wet well through T2 vent (maintenance mode)	Maintenance	E132		PT132	5-01-007-71	0.0	720.0	A			40.0	100.0

U 140 B600 Boiler Building 600 Hot Water Heating Boiler

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	B600 Boiler	Run Building 600 Heating Boiler	Normal - Steady State	E140		PT140	1-03-006-03	0.0	4,380.0	A	0.0	635.0	60.0	600.0

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: E1 Inc. #1

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

Subject Item: E2 Inc. #2

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: E3 R. C.

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

Subject Item: E4 SBT

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: E5 SRS

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

Subject Item: E6 BFP #1

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: E7 BFP #2

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

Subject Item: E8 BFP #3

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: E130 T1

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

Subject Item: E131 T2

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: E132 WW

Operating Scenario:

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					lb/hr	No
HAPs (Total)					lb/hr	No
NOx (Total)					lb/hr	No
Pb					lb/hr	No
PM-10 (Total)					lb/hr	No
SO2					lb/hr	No
TSP					lb/hr	No
VOC (Total)					lb/hr	No

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			0.73900000	0.73900000	tons/yr	No
HAPs (Total)			0.00000000	0.00000000	tons/yr	No
NOx (Total)			1.58000000	1.58000000	tons/yr	No
Pb			0.00000000	0.00000000	tons/yr	No
PM-10 (Total)	0.00000000		0.04000000	0.04000000	tons/yr	No
SO2			0.19200000	0.19200000	tons/yr	No
TSP			0.09600000	0.09600000	tons/yr	No
VOC (Total)			15.31600000	15.31600000	tons/yr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U1 Sludge Proc

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO				0.00000000	tons/yr	No
HAPs (Total)				0.00000000	tons/yr	No
NOx (Total)				0.00000000	tons/yr	No
Pb				0.00000000	tons/yr	No
PM-10 (Total)				0.00000000	tons/yr	No
SO2				0.00000000	tons/yr	No
TSP				0.00000000	tons/yr	No
VOC (Total)			0.52600000	0.52600000	tons/yr	No

Subject Item: U1 Sludge Proc

Operating Scenario: OS6

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					D lb/hr	No
HAPs (Total)					D lb/hr	No
NOx (Total)					D lb/hr	No
Pb					D lb/hr	No
PM-10 (Total)					D lb/hr	No
SO2					D lb/hr	No
TSP					D lb/hr	No
VOC (Total)			0.06000000	0.06000000	lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U1 Sludge Proc

Operating Scenario: OS7

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					D lb/hr	No
HAPs (Total)					D lb/hr	No
NOx (Total)					D lb/hr	No
Pb					D lb/hr	No
PM-10 (Total)					D lb/hr	No
SO2					D lb/hr	No
TSP					D lb/hr	No
VOC (Total)			0.06000000	0.06000000	lb/hr	No

Subject Item: U1 Sludge Proc

Operating Scenario: OS8

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					D lb/hr	No
HAPs (Total)					D lb/hr	No
NOx (Total)					D lb/hr	No
Pb					D lb/hr	No
PM-10 (Total)					D lb/hr	No
SO2					D lb/hr	No
TSP					D lb/hr	No
VOC (Total)					D lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U1 Sludge Proc

Operating Scenario: OS9

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					D lb/hr	No
HAPs (Total)					D lb/hr	No
NOx (Total)					D lb/hr	No
Pb					D lb/hr	No
PM-10 (Total)					D lb/hr	No
SO2					D lb/hr	No
TSP					D lb/hr	No
VOC (Total)					D lb/hr	No

Subject Item: U1 Sludge Proc

Operating Scenario: OS10

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
CO					D lb/hr	No
HAPs (Total)					D lb/hr	No
NOx (Total)					D lb/hr	No
Pb					D lb/hr	No
PM-10 (Total)					D lb/hr	No
SO2					D lb/hr	No
TSP					D lb/hr	No
VOC (Total)					D lb/hr	No

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U130 Thickeners

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Ammonia			D	D	tons/yr	No
CO			0.00000000	0.00000000	tons/yr	No
HAPs (Total)			D	D	tons/yr	No
Hydrogen sulfide			D	D	tons/yr	No
Methylene chloride (Dichloromethane)			D	D	tons/yr	No
NOx (Total)			0.00000000	0.00000000	tons/yr	No
Pb			0.00000000	0.00000000	tons/yr	No
PM-10 (Total)			0.00000000	0.00000000	tons/yr	No
SO2			0.00000000	0.00000000	tons/yr	No
TSP			0.00000000	0.00000000	tons/yr	No
VOC (Total)			D	D	tons/yr	No

Subject Item: U130 Thickeners

Operating Scenario: OS130

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Ammonia		D	D	D	lb/hr	No
CO		0.00000000	0.00000000	0.00000000	lb/hr	No
HAPs (Total)		D	D	D	lb/hr	No
Hydrogen sulfide		D	D	D	lb/hr	No
Methylene chloride (Dichloromethane)		D	D	D	lb/hr	No
NOx (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
Pb		0.00000000	0.00000000	0.00000000	lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U130 Thickeners

Operating Scenario: OS130

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
PM-10 (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
SO2		0.00000000	0.00000000	0.00000000	lb/hr	No
TSP		0.00000000	0.00000000	0.00000000	lb/hr	No
VOC (Total)		D	D	D	lb/hr	No

Subject Item: U130 Thickeners

Operating Scenario: OS131

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Ammonia		D	D	D	lb/hr	No
CO		0.00000000	0.00000000	0.00000000	lb/hr	No
HAPs (Total)		D	D	D	lb/hr	No
Hydrogen sulfide		D	D	D	lb/hr	No
Methylene chloride (Dichloromethane)		D	D	D	lb/hr	No
NOx (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
Pb		0.00000000	0.00000000	0.00000000	lb/hr	No
PM-10 (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
SO2		0.00000000	0.00000000	0.00000000	lb/hr	No
TSP		0.00000000	0.00000000	0.00000000	lb/hr	No
VOC (Total)		D	D	D	lb/hr	No

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U130 Thickeners

Operating Scenario: OS132

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Ammonia		D	D	D	lb/hr	No
CO		0.00000000	0.00000000	0.00000000	lb/hr	No
HAPs (Total)		D	D	D	lb/hr	No
Hydrogen sulfide		D	D	D	lb/hr	No
Methylene chloride (Dichloromethane)		D	D	D	lb/hr	No
NOx (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
Pb		0.00000000	0.00000000	0.00000000	lb/hr	No
PM-10 (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
SO2		0.00000000	0.00000000	0.00000000	lb/hr	No
TSP		0.00000000	0.00000000	0.00000000	lb/hr	No
VOC (Total)		D	D	D	lb/hr	No

Subject Item: U130 Thickeners

Operating Scenario: OS133

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Ammonia		D	D	D	lb/hr	No
CO		0.00000000	0.00000000	0.00000000	lb/hr	No
HAPs (Total)		D	D	D	lb/hr	No
Hydrogen sulfide		D	D	D	lb/hr	No
Methylene chloride (Dichloromethane)		D	D	D	lb/hr	No
NOx (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
Pb		0.00000000	0.00000000	0.00000000	lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U130 Thickeners

Operating Scenario: OS133

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
PM-10 (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
SO2		0.00000000	0.00000000	0.00000000	lb/hr	No
TSP		0.00000000	0.00000000	0.00000000	lb/hr	No
VOC (Total)		D	D	D	lb/hr	No

Subject Item: U130 Thickeners

Operating Scenario: OS134

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Ammonia		D	D	D	lb/hr	No
CO		0.00000000	0.00000000	0.00000000	lb/hr	No
HAPs (Total)		D	D	D	lb/hr	No
Hydrogen sulfide		D	D	D	lb/hr	No
Methylene chloride (Dichloromethane)		D	D	D	lb/hr	No
NOx (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
Pb		0.00000000	0.00000000	0.00000000	lb/hr	No
PM-10 (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
SO2		0.00000000	0.00000000	0.00000000	lb/hr	No
TSP		0.00000000	0.00000000	0.00000000	lb/hr	No
VOC (Total)		D	D	D	lb/hr	No

New Jersey Department of Environmental Protection
Potential to Emit

Subject Item: U130 Thickeners

Operating Scenario: OS135

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Ammonia		D	D	D	lb/hr	No
CO		0.00000000	0.00000000	0.00000000	lb/hr	No
HAPs (Total)		D	D	D	lb/hr	No
Hydrogen sulfide		D	D	D	lb/hr	No
Methylene chloride (Dichloromethane)		D	D	D	lb/hr	No
NOx (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
Pb		0.00000000	0.00000000	0.00000000	lb/hr	No
PM-10 (Total)		0.00000000	0.00000000	0.00000000	lb/hr	No
SO2		0.00000000	0.00000000	0.00000000	lb/hr	No
TSP		0.00000000	0.00000000	0.00000000	lb/hr	No
VOC (Total)		D	D	D	lb/hr	No

Subject Item: U140 B600 Boiler

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Carbon Dioxide	0.00000000	384.15000000	384.15000000	384.15000000	tons/yr	No
CO	0.00000000	0.26900000	0.26900000	0.26900000	tons/yr	No
HAPs (Total)	0.00000000	D	D	D	tons/yr	No
NOx (Total)	0.00000000	0.34600000	0.34600000	0.34600000	tons/yr	No
Pb	0.00000000	D	D	D	tons/yr	No
PM-10 (Total)	0.00000000	D	D	D	tons/yr	No
SO2	0.00000000	D	D	D	tons/yr	No

**New Jersey Department of Environmental Protection
Potential to Emit**

Subject Item: U140 B600 Boiler

Operating Scenario: OS0 Summary

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
TSP	0.00000000	D	D	D	tons/yr	No
VOC (Total)	0.00000000	D	D	D	tons/yr	No

Subject Item: U140 B600 Boiler

Operating Scenario: OS1

Step:

Air Contaminant Category (HAPS)	Fugitive Emissions	Emissions Before Controls	Emissions After Controls	Total Emissions	Units	Alt. Em. Limit
Carbon Dioxide	0.00000000	175.41000000	175.41000000	175.41000000	lb/hr	No
CO	0.00000000	89.00000000	89.00000000	89.00000000	ppmvd @ 7% O2	No
CO	0.00000000	0.12280000	0.12300000	0.12300000	lb/hr	No
HAPs (Total)	0.00000000	D	D	D	lb/hr	No
NOx (Total)	0.00000000	70.00000000	70.00000000	70.00000000	ppmvd @ 7% O2	No
NOx (Total)	0.00000000	0.15790000	0.15800000	0.15800000	lb/hr	No
Pb	0.00000000	D	D	D	lb/hr	No
PM-10 (Total)	0.00000000	D	D	D	lb/hr	No
SO2	0.00000000	D	D	D	lb/hr	No
TSP	0.00000000	D	0.05000000	0.05000000	lb/hr	No
VOC (Total)	0.00000000	D	D	D	lb/hr	No

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: FC

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	General Provisions: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-1. [N.J.A.C. 7:27- 1]	None.	None.	None.
2	Control and Prohibition of Open Burning: The permittee is prohibited 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: The permittee shall not emit into the outdoor atmosphere substances in quantities that result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27- 5]	None.	None.	None.
4	Prevention and Control of Air Pollution Control Emergencies: Any person responsible for the operation of a source of air contamination set forth in Table 1 of N.J.A.C. 7:27-12 is required to prepare a written Standby Plan, consistent with good industrial practice and safe operating procedures, and be prepared for reducing the emission of air contaminants during periods of an air pollution alert, warning, or emergency. Any person who operates a source 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]
5	Emission Offset Rules: The permittee shall comply with all applicable provisions of Emission Offset Rules. [N.J.A.C. 7:27-18]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Emission Statements: Submit an annual emission statement 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). The emission statement shall 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]	None.	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 and 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 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. The certification shall be submitted electronically through the NJDEP online web portal - Periodic Compliance Certification service, and shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official. Access to the NJDEP online web portal shall be obtained by following the instructions at: http://www.state.nj.us/dep/online/ . The certification should be printed for submission to EPA at the following address: US EPA, Region II, Air Compliance Branch, 290 Broadway, New York, NY 10007-1866. [N.J.A.C. 7:27-22]
8	Prevention of Air Pollution from Consumer Products and Architectural Coatings: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-24 and [N.J.A.C. 7:27-23]	None.	None.	None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Any operation of equipment which causes off-property effects, including odors, or which might reasonably result in citizen's complaints 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)]
10	Prevention of Significant Deterioration: The permittee shall comply with all applicable provisions of Prevention of Significant Deterioration (PSD). [40 CFR 52.21]	None.	None.	None.
11	The permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Asbestos, Subpart M. [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 61.153 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 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	<p>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]</p>	<p>Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].</p>	<p>Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].</p>	<p>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]</p>

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	<p>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 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)]</p>	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)].	<p>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.</p> <p>The report shall be submitted electronically through the NJDEP online web portal - Periodic Compliance Certification service, and shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official. Access to the NJDEP online web portal shall be obtained by following the instructions at: http://www.state.nj.us/dep/online/ . [N.J.A.C. 7:27-22]</p>
14	Used Oil Combustion: 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
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Prevention of Accidental Releases: Facilities producing, processing, handling or storing a chemical, listed in the tables of 40 CFR Part 68.130, and present in a process in a quantity greater than the listed Threshold Quantity, shall comply with all applicable provisions of 40 CFR 68. [40 CFR 68]	Other: Comply with 40 CFR 68. [40 CFR 68].	Other: Comply with 40 CFR 68. [40 CFR 68].	Other (provide description): Other. Comply with 40 CFR 68 as described in the Applicable Requirement. [40 CFR 68]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS100 Small boiler firing fuel oil less than 1,000,000 BTU/hr heat input

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	***ADDED BY DEP *** No visible emissions except for a period no longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and. [N.J.A.C. 7:27- 3.2(c)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY DEP Sulfur Content in Fuel <= 0.2 weight %. [N.J.A.C. 7:27-9.2(b)].	***REVISED BY DEP *** None.	***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(e)].	***REVISED BY DEP*** None.
	DELETED BY APPLICANT Based on the geographical location of the facility in Somerset County, Zone 4, the Maximum allowable Sulfur Content in Fuel is 0.2% sulfur for No. 2 & lighter grades, 0.3% sulfur for No. 4, and 0.3% sulfur for No. 5, 6, and heavier grades. [N.J.A.C. 7:27-9.2(b)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
2	***ADDED BY DEP *** The fuel is limited to #2 fuel oil or lighter fuel oil. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
3	*** REVISED BY DEP *** Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27- 9.2(a)]	***REVISED BY DEP *** Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** None.
4	*** REVISED BY DEP *** Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27-9.2(a)]	***REVISED BY DEP *** Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** None.
	DELETED BY APPLICANT No visible emissions except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] & [N.J.A.C. 7:27-3.2(c)]	***REVISED BY DEP *** None. As submitted on application:Monitored by visual determination once initially and every 5 years, based on a 30 minute average. [N.J.A.C. 7:27-22.16(a)]	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS101 Heaters firing propane, less than 1,000,000 BTU/hr heat input

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY DEP No applicable requirements. [N.J.A.C. 7:27-22.16(a)].			
1	***ADDED BY DEP *** No visible emissions except for a period no longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
2	***ADDED BY DEP *** The fuel is limited to propane. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS102 Distillate oil tanks not exceeding 10,000 gal capacity including a 275 gal waste oil tank.

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT TSP <=_ tons/yr. [N.J.A.C. 7:27-22.16(a)].	TSP: Monitored by calculations annually: once per calendar year, based on a 12 calendar month average. [N.J.A.C. 7:27-22.16(a)].	TSP: Recordkeeping by manual logging of parameter annually: once per calendar year. [N.J.A.C. 7:27-22.16(a)].	
	DELETED BY APPLICANT VOC (Total) <=_ tons/yr. [N.J.A.C. 7:27-22.16(a)].	VOC (Total): Monitored by calculations annually: once per calendar year, based on a 12 calendar month average. [N.J.A.C. 7:27-22.16(a)].	VOC (Total): Recordkeeping by manual logging of parameter annually: once per calendar year. [N.J.A.C. 7:27-22.16(a)].	
	DELETED BY APPLICANT NOx (Total) <=_ tons/yr. [N.J.A.C. 7:27-22.16(a)].	NOx (Total): Monitored by calculations annually: once per calendar year, based on a 12 calendar month average. [N.J.A.C. 7:27-22.16(a)].	NOx (Total): Recordkeeping by manual logging of parameter annually: once per calendar year. [N.J.A.C. 7:27-22.16(a)].	
	DELETED BY APPLICANT CO <=_ tons/yr. [N.J.A.C. 7:27-22.16(a)].	CO: Monitored by calculations annually: once per calendar year, based on a 12 calendar month average. [N.J.A.C. 7:27-22.16(a)].	CO: Recordkeeping by manual logging of parameter annually: once per calendar year. [N.J.A.C. 7:27-22.16(a)].	
	DELETED BY APPLICANT SO2 <=_ tons/yr. [N.J.A.C. 7:27-22.16(a)].	SO2: Monitored by calculations annually: once per calendar year, based on a 12 calendar month average. [N.J.A.C. 7:27-22.16(a)].	SO2: Recordkeeping by manual logging of parameter annually: once per calendar year. [N.J.A.C. 7:27-22.16(a)].	
	DELETED BY APPLICANT Total HAPs <=_ tons/yr. [N.J.A.C. 7:27-22.16(a)].	Total HAPs: Monitored by calculations annually: once per calendar year, based on a 12 calendar month average. [N.J.A.C. 7:27-22.16(a)].	Total HAPs: Recordkeeping by manual logging of parameter annually: once per calendar year. [N.J.A.C. 7:27-22.16(a)].	
	DELETED BY DEP Sulfur Content in Fuel <= 0.2 weight %. [N.J.A.C. 7:27-9.2(a)].	***REVISED BY DEP *** Not Applicable.	***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading once per bulk fuel shipment. [N.J.A.C. 7:27-22.16(e)].	
1	***ADDED BY DEP *** Tank contents limited to distillate fuel oil and waste oil. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
2	*** REVISED BY DEP *** Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27- 9.2(a)]	***REVISED BY DEP *** Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	*** REVISED BY DEP *** Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27-9.2(a)]	***REVISED BY DEP *** Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** None.
	DELETED BY APPLICANT Based on the geographical location of the facility in Mercer County, Zone 3, the Maximum allowable Sulfur Content in Fuel for use in New Jersey is 0.2% sulfur for No. 2 & lighter grades, 0.3% sulfur for No. 4, and 0.5% sulfur for No. 5, 6, and heavier grades. [N.J.A.C. 7:27-9.2(a)]	***ADDED BY DEP *** Monitored by review of fuel delivery records per delivery, based on no averaging period. The permittee shall check the fuel oil sulfur content on the invoices/bills of lading or pipeline meter tickets with batch identification. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
4	***ADDED BY DEP *** The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The tank shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets the applicable requirements of Ref. #2 to #8 above and (3) attests that the tank is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Based on the geographical location of the facility in Somerset County, Zone 4, the Maximum allowable Sulfur Content in Fuel for use in New Jersey is 0.2% sulfur for No. 2 & lighter grades, 0.3% sulfur for No. 4, and 0.5% sulfur for No. 5, 6, and heavier grades. [N.J.A.C. 7:27- 9.2(a)]	***ADDED BY DEP *** Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27- 9.2(a)]	***REVISED BY DEP *** Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** None.
	DELETED BY APPLICANT Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(a)]	***REVISED BY DEP *** Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS103 Gasoline refueling tank not exceeding 2,000 gallon capacity

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY DEP No applicable requirements. [N.J.A.C. 7:27-22.16(a)].			
	DELETED BY DEP No applicable requirements [N.J.A.C. 7:27-22.16(a)].			
1	***ADDED BY DEP *** This insignificant source VOC storage tanks is limited in capacity to less than 2000 gallons. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
2	***ADDED BY DEP *** The tank contents shall be limited to gasoline. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Other: Tank Contents. Per Delivery.[N.J.A.C. 7:27-22.16(o)].	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
3	***ADDED BY DEP *** The transfer of gasoline into vehicular fuel tanks or portable containers shall not exceed 10,000 gallons based on the average monthly throughput for any twelve-month period. [N.J.A.C. 7:27-16.3(f)1iv]	***ADDED BY DEP *** Monitored by fuel flow/firing rate instrument each month during operation, based on a 12 calendar month period. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. The permittee shall record the annual total throughput of gasoline. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS120 Sludge cake storage bin not exceeding 2,000 cubic ft. capacity

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY DEP No applicable requirements. [N.J.A.C. 7:27-22.16(a)].			

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS140 Natural gas fired heaters less than 1 MM BTU/hr heat input

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	***ADDED BY DEP *** No visible emissions except for a period no longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and. [N.J.A.C. 7:27- 3.2(c)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
2	***ADDED BY DEP *** The fuel is limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS200 Wastewater treatment plant sources @ < 100 ppb TXS, and <3,500 ppb of total VOC

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY DEP No applicable requirements. [N.J.A.C. 7:27-22.16(a)].			
1	***ADDED BY DEP *** Maximum wastewater concentration of these insignificant sources shall be < 100 ppb TXS and < 3500 ppb VOCs [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Subject Item: IS201 Three Sodium Hypochlorite Storage Tanks > 10,000 gal capacity

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT Sulfur Content in Fuel: The maximum allowable sulfur content of the fuel in any tank storing #2 fuel oil, based on fuel type/viscosity and geographical zone, is 0.2% by weight. [N.J.A.C. 7:27- 9.2(b)]	***ADDED BY DEP *** Other: Verify sulfur content of fuel oil per delivery.[N.J.A.C. 7:27-22.16(o)].	***ADDED BY DEP*** Other: Maintain certifications by the fuel supplier stating the sulfur content of the fuel.[N.J.A.C. 7:27-22.16(o)].	***ADDED BY DEP*** None.
1	***ADDED BY DEP *** The operating temperature of each tank shall not be greater than 350 degrees Fahrenheit. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
2	***ADDED BY DEP *** The vapor pressure of the liquid in each tank, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees Fahrenheit, whichever is higher. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The tanks shall have no visible emissions to the outdoor atmosphere, exclusive of condensed water vapor. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
3	***ADDED BY DEP *** The tanks shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
4	***ADDED BY DEP *** The tanks shall not qualify for any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
5	***ADDED BY DEP *** Each tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	***ADDED BY DEP *** The percentage by weight of all HAPs collectively in the raw material stored in each tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of each tank; (2) affirms that each tank meets the applicable requirements of Ref. #1 to #7 above and (3) attests that each tank is in compliance with all other applicable state or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Two fluidized bed incinerators, three belt filter presses and headworks.
Subject Item: CD1 Incinerator #1 venturi-scrubber

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT Scrubbing Medium Flow Rate \geq 224 gal/min total (combined) to the venturi and cooling trays. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Scrubbing Medium Flow Rate: Monitored by scrubber flow rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Scrubbing Medium Flow Rate: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
	DELETED BY DEP Minimum Pressure Drop Across Entire Wet Scrubbing System \geq 17 inches w.c.. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Minimum Pressure Drop Across Entire Wet Scrubbing System: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Minimum Pressure Drop Across Entire Wet Scrubbing System: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Submit a deviation report: Semi-annually on January 31 and July 31 of each year for the preceding 6- month period (the 6-month deviation reporting periods begin on January 1 and July 1) on forms provided by the Department to the NJDEP, Air Compliance and Enforcement, Northern Regional Office. Submit an annual compliance Certification within 60 days after the end of each calendar year on forms provided by the Department to the NJDEP, Air Compliance and Enforcement, Northern Regional Office and USEPA Region II, Air Compliance Branch, 290 Broadway, NY,NY 10007-1866. [N.J.A.C. 7:27-22.16(o)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Two fluidized bed incinerators, three belt filter presses and headworks.
Subject Item: CD2 Incinerator #2 venturi-scrubber

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT Scrubbing Medium Flow Rate >= 345 gal/min total (combined) to the venturi and cooling trays. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Scrubbing Medium Flow Rate: Monitored by scrubber flow rate instrument continuously. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP*** Scrubbing Medium Flow Rate: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
	DELETED BY DEP Minimum Pressure Drop Across Entire Wet Scrubbing System >= 26 inches w.c.. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Minimum Pressure Drop Across Entire Wet Scrubbing System: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Minimum Pressure Drop Across Entire Wet Scrubbing System: Recordkeeping by strip chart continuously or data acquisition system (DAS)/electronic data storage continuously . Records shall be maintained on site for a period of 5 years and shall be made available to the Department upon request. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Submit a deviation report: Semi-annually on January 31 and July 31 of each year for the preceding 6- month period (the 6-month deviation reporting periods begin on January 1 and July 1) on forms provided by the Department to the NJDEP, Air Compliance and Enforcement, Northern Regional Office. Submit an annual compliance Certification within 60 days after the end of each calendar year on forms provided by the Department to the NJDEP, Air Compliance and Enforcement, Northern Regional Office and USEPA Region II, Air Compliance Branch, 290 Broadway, NY,NY 10007-1866. [N.J.A.C. 7:27-22.16(o)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Two fluidized bed incinerators, three belt filter presses and headworks.

Subject Item: CD4 Headworks building carbon adsorber unit

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	***ADDED BY DEP *** The owner or operator shall inspect and maintain the carbon adsorber (CD4) on a schedule necessary to achieve the required control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Monitored by visual determination once every 2 weeks. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Recordkeeping by manual logging of parameter or storing data in a computer data system once every 2 weeks. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
2	*** REVISED BY DEP *** The carbon adsorption odor control unit shall not be used in a manner which will cause odors being detectable by sense of smell in any area, except for those areas over which the owner has exclusive use or occupancy. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Monitored by odor threshold monitoring daily. A daily inspection of the unit must be conducted in order to determine odor breakthrough of the carbon unit by sense of smell. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The following records pertaining to the carbon adsorption unit shall be maintained: - Date of replacement or regeneration - Hours of operation per day - Determination of odor breakthrough [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Other (provide description): As per the approved schedule. The carbon bed must be changed or regenerated when it is determined that odor breakthrough has occurred. [N.J.A.C. 7:27-22.16(3)]

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Two fluidized bed incinerators, three belt filter presses and headworks.

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	***ADDED BY DEP *** The owner or operator shall render the sewage sludge incinerators (SSI) #1 and #2 inoperable by March 21, 2016. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** Submit notification: As per the approved schedule. Submit notification by 3/21/16 to the REO that Incinerator #1 and Incinerator #2 have been rendered inoperable. [N.J.A.C. 7:27-22.16(o)]
2	***ADDED BY DEP *** The owner or operator shall submit a closure notification to the EPA regional office and permitting authority or delegated authority if you plan to close your SSI unit rather than comply with 40 CFR Part 62 Subpart LLL Federal Plan. The closure notification shall include the date of closure of SSI unit and must be submitted by the date your final control plan is due. [40 CFR 62.15915]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** Submit notification: As per the approved schedule. Submit a notification to the EPA regional office and permitting authority or delegated authority by March 21, 2016 as specified in Table 1 of Subpart LLL. [40 CFR 62.16030(a)(4)]
3	***ADDED BY DEP *** If the owner or operator plans to restart the SSI units after March 21, 2016, the owner or operator must complete the control device retrofits and meet the 40 CFR Part 62 Subpart LLL - Federal Plan emission and operating limits for existing SSI units. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** Submit the required air permit application(s): As per the approved schedule. The owner or operator shall submit a permit modification to install control device retrofits at least 6 months prior to the restart of Incinerator #1 or Incinerator #2. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** STACK TESTING SUMMARY The permittee shall conduct a stack test at least 18 months prior to the expiration of the renewed operating permit on each sewage sludge incinerator at PT1, and PT2 using an approved protocol to demonstrate compliance with emission limits for TSP, PM-10, CO, VOC, NOx, SO2, HCl, Arsenic, Beryllium, Cadmium, Chromium, Nickel, Lead, Mercury, Dioxins/Furans, Benzo(A) Pyrene, and Benzene as specified in the compliance plan for U1 OS1, OS2 and OS4.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]</p>	<p>***REVISED BY DEP *** Other: Monitoring as required under the applicable operating scenarios.[N.J.A.C. 7:27-22.16(o)].</p>	<p>***REVISED BY DEP*** Other: Recordkeeping as required under the applicable operating scenarios.[N.J.A.C. 7:27-22.16(o)].</p>	<p>***REVISED BY DEP*** Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emissions Measurement Section (EMS) at Mail Code: 380-01A, PO Box 420, Trenton, NJ 08625 at least 30 months prior to the expiration of the approved operating permit. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by BTS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. The stack test must be conducted within 60 days of the protocol approval. A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 90 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 licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** For Incinerator #1 (E1) out stack #2 (PT2) - U1OS1, incinerator #1(E1) out stack #1 (PT1)- U1 OS2, and incinerator #2 (E2) out stack #2 (PT2)- U1 OS4 conduct a comprehensive stack test on each sewage sludge incinerator at least 18 months prior to the expiration of the approved renewal operating permit for Total Suspended Particulates, PM-10(total), CO, VOC, NOx, SO2, HCl, Arsenic, Beryllium, Cadmium, Chromium, Nickel, Lead, Mercury, 2,3,7,8 TCDD, Benzo(A) Pyrene, and Benzene to demonstrate compliance with permit limits.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. The worst-case operating conditions shall be based upon the actual dry sludge feed rate at the time of the stack test. [N.J.A.C. 7:27-22.16(a) and [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP *** Monitored by stack emission testing prior to permit renewal. NOx testing shall be conducted once initially and prior to permit renewal. All other stack tests shall be conducted prior to permit renewal. Based on the average of three successive stack emission tests for each contaminant. Compliance with the particulate (TSP) limit shall be determined using New Jersey Air Test Method 1 (N.J.A.C.7:27B). [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** 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 at least 30 months prior to the expiration of the approved renewal operating permit. Within 30 days of the approved protocol, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. The tests must be conducted using the approved protocols. The stack test report must be submitted to BTS within 90 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.</p> <p>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.[N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]</p>
	<p>***DELETED BY APPLICANT*** This emission unit includes the 9.1 MM Btu/hr sewage sludge incinerator, the 19.3 MM Btu/hr sewage sludge incinerator, sludge blend tank, septage receiving station, reheat chamber, and three belt filter presses.. [N.J.A.C. 7:27-22.16(a)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Sludge incinerator stack tests may be conducted at maximum sludge feed rates up to the original preconstruction permit limits of 19.2 dry tons per day for Incinerator#1 and 38.4 dry tons per day for incinerator #2 providing permit limits are not exceeded from BOP140001.. [N.J.A.C. 7:27-22.16(a)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** Submit test results: As per the approved schedule and an operating permit minor modification application to BOP requesting a revised maximum permitted dry sludge feed rate based on stack test results within 90 days of receipt of written notice from NJDEP advising SRVSA of the completion of their review and acceptance of the stack test results submitted to BTS.. [N.J.A.C. 7:27-22.16(o)]</p>

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** If a new test method for filterable PM-10 in saturated stacks is approved by EPA in the future it must be used for the following filterable PM-10 test. The results of that test will be used to establish a new PM-10 (total) limit through a minor modification. [N.J.A.C. 7:27-22.16(a)]</p>	<p>***ADDED BY DEP *** Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** Submit a stack test protocol to the Bureau of Technical Services within 90 days of approval of the new test method for filterable PM-10 in saturated stacks. Within 30 days of the approved protocol, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date. The tests must be conducted using the approved protocols. 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. [N.J.A.C. 7:27-22.18(e)] and Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]</p>
	<p>***DELETED BY APPLICANT*** The Permittee shall submit a minor modification application to the operating permit to establish the new PM-10 limit based on the use of the new EPA filterable PM-10 test method for saturated stacks. [N.J.A.C. 7:27-22.16(a)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** Submit documentation of compliance: As per the approved schedule. Submit a permit modification application to establish the new PM-10 emission limit within 90 days of submittal of the stack test results using the saturated method to BTS. [N.J.A.C. 7:27-22.16(o)]</p>
	<p>***DELETED BY DEP*** At no time shall incinerator #1 and incinerator #2 burn sludge simultaneously. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP *** Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***REVISED BY DEP*** Recordkeeping by manual logging of parameter each hour during operation. [N.J.A.C. 7:27-22.16(e)].</p>	<p>***REVISED BY DEP*** None.</p>

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Opacity <= 10 % , exclusive of condensed water vapor, except for a period of three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP *** Opacity: Monitored by visual determination each week during operation. Visual inspections shall consist of a visual survey during daylight hours to identify if the stack has visible emissions, (other than condensed water vapor). If visible emissions are observed, the permittee shall do the following:</p> <p>(1) Verify that the equipment and /or control device causing the emission is operating according to manufacturers specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violation to NJDEP pursuant to N.J.A.C. 7:27- 22.19.</p> <p>(2) If the corrective action taken in step one does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such a test shall be conducted once per day until corrective action is taken to successfully correct the opacity problem. The permittee must report any continuing permit violation to NJDEP pursuant to N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** Opacity: Recordkeeping by manual logging of parameter each week during operation (permanently bound logbook or readily accessible computer memory). The permittee must retain the following records; (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** SO2 <= 2,000 ppmvd per incinerator. [N.J.A.C. 7:27- 7.2(b)1]</p>	<p>***REVISED BY DEP *** None. As submitted on application:SO2: Monitored by continuous emission monitor continuously, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP*** None. As submitted on application:SO2: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** SO2 <= 102 lb/hr. [N.J.A.C. 7:27- 7.2(b)2]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** SO2 <= 204 lb/hr at any instant from N.J.A.C. 7:27-7.2(r). [N.J.A.C. 7:27- 7.2(b)2]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Any person responsible for the discharge of SO₂ through a stack or chimney into the outdoor atmosphere shall provide the facilities and necessary equipment and shall conduct stack tests using methods approved by the Department. Such tests shall include a determination of the SO₂ concentration, the total gas volume being discharged, and the gas temperature and pressure at the sampling point in the stack or chimney and the data shall be recorded in a permanent log at least once each hour. These data shall be maintained for a period of not less than one year and shall be available for review by the Department. [N.J.A.C. 7:27- 7.2(d)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Whenever the person responsible for the discharge of SO₂ can present data to the Department showing that his emissions are well under the allowable emissions or that his process produces predictable concentrations and emission rates, he may apply to the Department for a waiver or modification of the stack testing requirement. For the purpose of this subsection, existing data may be offered as substantiating evidence for such waiver or modification. If a waiver or modification is approved by the Department, the Department shall notify the person of such approval in writing. [N.J.A.C. 7:27- 7.2(e)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Any person responsible for the discharge of sulfur compounds in the form of gases, vapors or liquid particles through a stack or chimney shall, upon request of the Department, provide in connection with such stack or chimney such sampling facilities and testing facilities, exclusive of instruments and sensing devices, as may be necessary for the Department to determine the quantity and concentration of such sulfur compounds which are or may be discharged through such stack or chimney. Such facilities may be either permanent or temporary at the discretion of the person responsible for their provision, and shall conform to all applicable laws and regulations concerning safe construction or safe practice. [N.J.A.C. 7:27- 7.2(n)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27- 9.2(a)]</p>	<p>***REVISED BY DEP *** Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***REVISED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(a)]</p>	<p>***REVISED BY DEP *** Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***REVISED BY DEP*** Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***REVISED BY DEP*** None.</p>

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Whenever sulfur compounds in the form of gases, vapors or liquid particles from one source operation are discharged through two or more stacks or chimneys, the total quantity that may be discharged from any one stack or chimney shall not exceed the allowable emission permitted for that stack or chimney, nor shall the total quantity that may be discharged from all the stacks exceed the allowable emission that would be permitted from the single stack or chimney having the greatest allowable emission. [N.J.A.C. 7:27- 7.2(o)]</p>	<p>***ADDED BY DEP *** Other: stack testing or calculations once initially.[N.J.A.C. 7:27-22.16(o)].</p>	<p>***ADDED BY DEP*** Other: stack test report or calculations in a permanently bound logbook or readily accessible computer files.[N.J.A.C. 7:27-22.16(o)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY DEP*** TSP <= 0.1 gr/dscf @ 12% CO2 maximum allowable (including ash, excluding the contribution of auxiliary fuel) for each incinerator. The emission limit applies at all time including startup and shutdown. [N.J.A.C. 7:27-11.3(a)4]</p>	<p>***REVISED BY DEP *** None.</p>	<p>***REVISED BY DEP*** None.</p>	<p>***REVISED BY DEP*** None.</p>
	<p>***DELETED BY DEP*** Opacity <= 1 Ringelmann Smoke Chart to be emitted of such opacity within a stack or chimney, or exclusive of water vapor, of such opacity leaving a stack or chimney to a degree greater than the emission designated as Number 1 of the Ringlemann smoke chart, for PT1, and PT2. [N.J.A.C. 7:27-11.3(b)2ii]</p>	<p>***REVISED BY DEP *** None.</p>	<p>***REVISED BY DEP*** None.</p>	<p>***REVISED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Any person responsible for a source operation which discharges sulfur compounds in the form of gases, vapors or liquid particles through a stack or chimney and who in the process of starting up or shutting down such operation anticipates discharges in excess of those allowable under this Subchapter shall file an affidavit with the Commissioner stating the following:</p> <ol style="list-style-type: none"> 1. The name, address and telephone number of the person submitting affidavit; if such person is a legal entity, the name and address of the individual authorized to accept service of process on its behalf and the name of the officer in charge of the premises where the source operation is located; 2. The type of business or activity involved; 3. The general nature of the source operation and the proposed operating practice; 4. Duration of the period for which emissions or concentrations in excess of the allowable emission or concentrations can be expected and magnitude of such emissions or concentrations; 5. Frequency of start-up and shut-down; 6. Reasons why excessive emissions or concentrations cannot be avoided during the start-up and shut-down period. <p>[N.J.A.C. 7:27- 7.2(p)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** Submit a report: As per the approved schedule. [N.J.A.C. 7:27- 7]</p>
	<p>***DELETED BY APPLICANT*** Each incinerator is subject to the provisions of N.J.A.C. 7:27-9 (Sulfur in Fuels) For #2 distillate oil as a secondary fuel, Maximum Allowable Sulfur Content in Fuel <= 0.2 % by weight. [N.J.A.C. 7:27- 9.2(b)]</p>	<p>***ADDED BY DEP *** Other: Certified fuel sulfur analysis per delivery from the fuel oil supplier.[N.J.A.C. 7:27-22.16(o)].</p>	<p>***ADDED BY DEP*** Other: fuel certification receipts. Per batch delivery.[N.J.A.C. 7:27-22.16(o)].</p>	<p>***ADDED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Each incinerator is subject to, and shall comply, as applicable, with the particulate emission standards and opacity standards and provisions of N.J.A.C. 7:27-11, Incinerators. [N.J.A.C. 7:27-11]</p>	<p>***ADDED BY DEP *** Other: stack emission testing and Ringelmann smoke chart determination once every five years to demonstrate compliance with N.J.A.C. 7:27-11[N.J.A.C. 7:27-22.16(o)].</p>	<p>***ADDED BY DEP*** Other: keep stack test reports and smoke chart determinations at the facility.[N.J.A.C. 7:27-22.16(o)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Each incinerator is subject to the provisions, as applicable, of N.J.A.C. 7:27-16.16, Control and Prohibition of Air Pollution by Volatile Organic Compounds- Other Source Operations) [N.J.A.C. 7:27-16.16]</p>	<p>***ADDED BY DEP *** Other: stack emission testing and calculations once every five years to determine compliance with N.J.A.C. 7:27-16 emission standards.[N.J.A.C. 7:27-22.16(o)].</p>	<p>***ADDED BY DEP*** Other: keep stack testing report and calculations on site.[N.J.A.C. 7:27-22.16(o)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** NOx (Total) <= 2.5 lb/ton dry sludge input. [N.J.A.C. 7:27-19.28(a)]</p>	<p>***ADDED BY DEP *** NOx (Total): Monitored by stack emission testing prior to permit expiration date, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** NOx (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)]</p>
	<p>***DELETED BY APPLICANT*** The following operating parameters shall be continuously monitored and continuously recorded on both incinerators during sludge combustion:</p> <ul style="list-style-type: none"> a. Incinerator combustion chamber exit temperature. b. Liquid flow rate to the scrubber (venturi and cooling trays). c. Pressure drop accross the scrubber. <p>[N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The facility shall maintain the operating logs for the following records in a manner approved by the Regional Enforcement Office.</p> <ul style="list-style-type: none"> a) Incinerator operating time including start-up and shut-down periods. b) Periods of time and dates when flue gases from the existing incinerator are passed through the new and existing stack. c) Any equipment malfunctions and corrective actions taken. d) Excedences of emission standards specified in this permit. e) Quantity of wet and dry sewage sludge charged to the incinerator. f) Dates of replacement or regeneration of carbon adsorbant and hours of operation per day of adsorber. [N.J.A.C. 7:27-22.16(e)] 	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: records shall be maintained in a manner approved by the regional enforcement office and made available to the Department upon request.[N.J.A.C. 7:27-22.16(e)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Process monitors must be operated at all times when the associated process equipment is operating except during service outage time not to exceed 24 hours per calendar quarter. The owner and/or operator must keep a service log of all process monitors and maintain a current summed quarterly service outage time in minutes. This requirement pertains to incinerator and reheat chamber fuel oil meters, scrubber pressure drop meters, scrubber water flow meters, sludge feed rate monitors, thermocouples for incinerator bed, incinerator combustion chamber exit, scrubber exit and stack temperatures, heating boiler fuel oil meters, the headworks and thickener carbon adsorber pressure drop meters, and various chart recorders and computers. A facility shall not use the PM downtime as a shield of a known violation of an emission standard or create an N.J.A.C. 7:27-5 violation. [N.J.A.C. 7:27-22.16(a)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The log must include the date, time, and length the PM was out of service. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** Submit a report: As per the approved schedule. If the process monitor exceeds the quarterly service outage time the owner and/or operator must note the exceedence in the service log and notify the Regional Enforcement Office. [N.J.A.C. 7:27-22.16(o)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT Scrubbing Medium Flow Rate \geq 224 gal/min total (combined) to the venturi and cooling trays for CD#1 from BOP080002. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Scrubbing Medium Flow Rate: Monitored by scrubber flow rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Scrubbing Medium Flow Rate: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Scrubbing Medium Flow Rate \geq 345 gal/min total (combined) to the venturi and cooling trays for CD#2 from BOP080002. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Scrubbing Medium Flow Rate: Monitored by scrubber flow rate instrument continuously. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP*** Scrubbing Medium Flow Rate: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
	DELETED BY DEP Minimum Pressure Drop Across Entire Wet Scrubbing System \geq 17 inches w.c. for CD1. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Minimum Pressure Drop Across Entire Wet Scrubbing System: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Minimum Pressure Drop Across Entire Wet Scrubbing System: Recordkeeping by strip chart continuously or data acquisition system (DAS)/electronic data storage continuously. Records shall be maintained on site for a period of 5 years and shall be made available to the Department upon request. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Submit a deviation report: Semi-annually on January 31 and July 31 of each year for the preceding 6- month period (the 6-month deviation reporting periods begin on January 1 and July 1) on forms provided by the Department to the NJDEP, Air Compliance and Enforcement, Northern Regional Office. Submit an annual compliance Certification within 60 days after the end of each calendar year on forms provided by the Department to the NJDEP, Air Compliance and Enforcement, Northern Regional Office and USEPA Region II, Air Compliance Branch, 290 Broadway, NY,NY 10007-1866. [N.J.A.C. 7:27-22.16(o)]
	DELETED BY DEP Minimum Pressure Drop Across Entire Wet Scrubbing System \geq 26 inches w.c. for CD2. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Minimum Pressure Drop Across Entire Wet Scrubbing System: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Minimum Pressure Drop Across Entire Wet Scrubbing System: Recordkeeping by strip chart continuously or data acquisition system (DAS)/electronic data storage continuously . Records shall be maintained on site for a period of 5 years and shall be made available to the Department upon request. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Submit a deviation report: Semi-annually on January 31 and July 31 of each year for the preceding 6- month period (the 6-month deviation reporting periods begin on January 1 and July 1) on forms provided by the Department to the NJDEP, Air Compliance and Enforcement, Northern Regional Office. Submit an annual compliance Certification within 60 days after the end of each calendar year on forms provided by the Department to the NJDEP, Air Compliance and Enforcement, Northern Regional Office and USEPA Region II, Air Compliance Branch, 290 Broadway, NY,NY 10007-1866. [N.J.A.C. 7:27-22.16(o)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY DEP*** Spent carbon shall be disposed of in a manner that minimizes the release of air contaminants to the atmosphere. This must be done in accordance with state and federal disposal regulations. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP *** None.</p>	<p>***REVISED BY DEP*** Recordkeeping by invoices / bills of lading per change of material or manual logging of change in a permanently bound logbook or readily accessible computer based memory. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP*** None.</p>
	<p>***DELETED BY DEP*** During periods of venturi scrubber downtime, cessation of sludge charging to the affected incinerator is required. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP *** None.</p>	<p>***REVISED BY DEP*** Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event on strip chart or DAS. The permittee shall record any equipment malfunctions and corrective actions taken. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP*** Other (provide description): Upon occurrence of event : Occurrences and actions taken related to equipment malfunctions must be reported to the Northern Regional Office in writing within 3 business days. [N.J.A.C. 7:27-22.16(e)]</p>
	<p>***DELETED BY DEP*** Temperature at Exit of Combustion Chamber: Upon startup of the incinerator, sludge feed shall not be started until the temperature at the exit of the combustion chamber reaches at least 1,200 degree F. The temperature at the exit of the combustion chamber must reach 1,500 degree F within 30 minutes after sludge feed is started. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP *** Temperature at Exit of Combustion Chamber: Monitored by temperature instrument continuously, based on an instantaneous determination. Temperature shall be monitored at the exit of the combustion chamber before the heat exchanger. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP*** Temperature at Exit of Combustion Chamber: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP*** None.</p>
	<p>***DELETED BY DEP*** Temperature at Exit of Combustion Chamber >= 1,500 degrees F. After start-up has been completed and the operating temperature has been achieved, the temperature at the exit of the fluidized bed incinerator, as continuously monitored and recorded, must not fall below 1,500 degree F while sewage sludge is fed to the incinerator. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP *** Temperature at Exit of Combustion Chamber: Monitored by temperature instrument continuously, based on an instantaneous determination. Temperature shall be monitored at the exit of the combustion chamber before the heat exchanger. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP*** Temperature at Exit of Combustion Chamber: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Oxygen >= 3 % by volume on a dry basis, in the flue gas at stack #2. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP *** Oxygen: Monitored by continuous emission monitor continuously, based on 5-minute blocks. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP*** Oxygen: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP*** Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal to the NJDEP Northern Regional Enforcement Office and the Chief of the Air Monitoring Branch USEPA Region II, Edison, NJ, for review and approval. [N.J.A.C. 7:27-22.16(o)]</p>
	<p>***DELETED BY APPLICANT*** CO <= 100 ppmvd @ 7% O₂ , at stack #2, except during periods of cold start-up, warm start-up, and standby. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP *** CO: Monitored by continuous emission monitor continuously, based on a 1 hour block average. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP*** CO: Recordkeeping by strip chart or data acquisition (DAS) system continuously. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP*** Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Every April 30, July 30, October 30, and January 30 for the preceding quarter year (the quarter years begin on January 1, April 1, July 1, and October 1) electronically through the NJDEP online EEMPR web portal to the NJDEP Northern Regional Enforcement Office and the Chief of the Air Monitoring Branch USEPA Region II, Edison, NJ, for review and approval. [N.J.A.C. 7:27-22.16(o)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The metal content of the sludge fed to either incinerator including blended sludge as fed to the incinerator shall be no more than the parts per million by weight (ppmw), dry basis, listed below: Arsenic 30.0 ppmw Cadmium 55.0 ppmw Chromium 1520 ppmw Lead 700 ppmw Nickel 700.0 ppmw Mercury 15.0 ppmw Beryllium 18.0 ppmw [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP *** Monitored by sludge sampling daily, based on a weighted 12 month average based on a daily sampling of sludge entering the incinerators and a monthly analysis of a composite of the daily samples. The mercury and lead concentrations are monthly limits. Twelve consecutive monthly averages must be used to calculate the twelve month weighted average.</p> <p>The calculation of the weighted twelve month rolling average will be calculated using the following equation:</p> $\text{ppmw(ave) } j = \frac{\text{summation of } \{ \text{ppmw } k \times \text{weight } k \}}{\text{summation weight } k}$ <p>where ppmw k is the composite ppmw obtained each month from sludge analyses conducted during the 12 months up to and including the j th month, and weight k is the dry weight of the sludge burned during the 12 months up to and including the j th month.. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP*** Recordkeeping by manual logging of parameter each month during operation each record of the weight, concentration, and monthly averages must be kept, in a manner approved by the Department, for five years after recording. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** Submit a report: As per the approved schedule of the monthly sludge analysis for arsenic, beryllium, cadmium, chromium, lead, mercury and nickel for the 12-month periods ending with each month in the calendar quarter for the metals. The permittee shall be submitted the report within 45 calendar days of each calendar quarter to: Northern Regional Compliance and Enforcement Office, 7 Ridgedale Avenue Cedar Knolls, NJ 07927. [N.J.A.C. 7:27-22.16(o)]</p>
	<p>***DELETED BY APPLICANT*** Mercury Concentration in Sludge <= 5 ppmw dry basis. [N.J.A.C. 7:27-22.16(a)]</p>	<p>***ADDED BY DEP *** Mercury Concentration in Sludge: Monitored by calculations each month during operation, based on a weighted 12 month average (rolling), using the procedure detailed in the preceding requirement. [N.J.A.C. 7:27-22.16(o)]</p>	<p>***ADDED BY DEP*** Mercury Concentration in Sludge: 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)]</p>	<p>***ADDED BY DEP*** Submit a report: As per the approved schedule. The permittee shall be submitted within 45 calendar days of each calendar quarter to: Northern Regional Compliance and Enforcement Office, 7 Ridgedale Avenue Cedar Knolls, NJ 07927. [N.J.A.C. 7:27-22.16(o)]</p>
	<p>***DELETED BY DEP*** Customer sludge may be burned when the metal concentrations in the total sludge burned do not exceed the limits in this permit. The Authority shall develop procedures to ensure that customer sludge will not cause the limits in this permit to be exceeded. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP *** Other: The Authority shall review sludge quality data prior to initial delivery and shall require periodic submittal of sludge analysis by customers to SRVSA.[N.J.A.C. 7:27-22.16(e)].</p>	<p>***REVISED BY DEP*** Other: Records of the metal content of customer sludge must be kept for five years from the date of the sludge analysis.[N.J.A.C. 7:27-22.16(e)].</p>	<p>***REVISED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Secondary fuel is limited to No.2 distillate fuel oil for the #1 and #2 incinerator. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY DEP Spent carbon from the odor control adsorption unit and spent multi-media coal may be disposed of via combustion in either sludge incinerator. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.
	DELETED BY DEP Spent carbon (non-hazardous) from other facilities may be disposed of via combustion in either sludge incinerator. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.
	DELETED BY APPLICANT TSP <= 3.11 tons/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT PM-10 (Total) <= 7.73 tons/yr. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT SO2 <= 11.4 tons/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT NOx (Total) <= 17.52 tons/yr. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT CO <= 10.1 tons/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
4	***ADDED BY DEP *** VOC (Total) <= 0.526 tons/yr from the sludge blend tank and septage receiving station. [N.J.A.C. 7:27-20.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT HAPs (Total) <= 7.48 tons/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Lead Emissions <= 508 lb/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Arsenic Emissions <= 12.3 lb/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Beryllium Emissions <= 8.7 lb/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Cadmium Emissions <= 50 lb/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

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	DELETED BY APPLICANT Chromium Emissions <= 578 lb/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Nickel Emissions <= 394 lb/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Total Mercury Emissions <= 96.4 lb/yr. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Mercury Emissions <= 51.2 lb/yr for Incinerator #1,. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Hydrogen chloride <= 6.57 tons/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT TCDD Emissions (2,3,7,8-) <= 0.000333 lb/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Benzo (A) Pyrene Emissions <= 4.2 lb/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Benzene <= 166 lb/yr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The emissions of any other air contaminants from any of the sources in this emission unit are below the respective reporting thresholds of N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. [40 CFR 60.4(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Northern Regional Enforcement Office: Air and Environmental Quality Compliance & Enforcement Office Northern Regional Enforcement Office 7 Ridgedale Avenue Cedar Knolls, NJ 07927. [40 CFR 60.4(b)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** 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 40 CFR 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)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]</p>
	<p>***DELETED BY APPLICANT*** Maintain records of the occurrence and duration of any startup, 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)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Recordkeeping by manual logging of parameter upon occurrence of event or maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a permanently bound logbook or data acquisition system (DAS)/electronic data storage. [40 CFR 60.7(b)]</p>	<p>***ADDED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The owner or operator shall submit to the Administrator, for each pollutant monitored, an excess emissions and monitoring systems performance report and/or summary report form. [40 CFR 60.7(c)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** Submit an Excess Emissions and Monitoring Systems Performance Report (EEMPR): Semi-annually beginning on the 30th day of the 6th month following initial performance tests. The report shall be postmarked by the 30th day following the end of each calendar half. The report shall be in a format as specified at 40 CFR 60.7(d). The summary report form shall contain the information and be in the format shown in figure 1 at 40 CFR 60.7(d) unless otherwise specified by the Administrator. One summary report form shall be submitted for each pollutant monitored at each affected facility.</p> <p>(1) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in 40 CFR 60.7(c) need not be submitted unless requested by the Administrator.</p> <p>(2) If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in 40 CFR 60.7(c) shall both be submitted. [40 CFR 60.7(c)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Maintain a file of all measurements. [40 CFR 60.7(f)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Recordkeeping by manual logging of parameter continuously. Maintain a file of all measurements, incl. continuous monitoring systems, monitoring device, & performance testing measurements: all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks: adjustments & maintenance performed on these systems or devices: & all other information required by this part recorded in a permanent form suitable for inspections. The file shall be retained for a least 2 years following the date of such measurements,maintenance,reports, & records, except as follows: (1) For automated CEMS where the calculated data averages do not exclude periods of CEMS breakdown or malfunction & the measured data is recorded & reduce to the form of the pollutant emission standard through the use of a computerized data acquisition system, the owner or operator shall retain the most recent consecutive 3 average periods of subhourly measurements & a file that contains a hard copy of the data acquisition system algorithm used to reduce the measured data into the reportable form of the standard. (2) For CEMS where the measured data is manually reduced and where the calculated data averages do not exclude periods of CEMS breakdown or malfunction, the owner or operator shall retain all subhourly measurements for the most recent reporting period. The subhourly measurements shall be retained for 120 days from the date of the most recent summary or excess emission report submitted to the Administrator. [40 CFR 60.7(f)]</p>	<p>***ADDED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT At all times, including periods of startup, 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. [40 CFR 60.11(d)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT No owner or operator 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]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT All continuous monitoring systems shall be in continuous operation and shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period, except for system breakdowns, repairs, calibration checks, and zero and span adjustments required under 40 CFR 60.13(d) of this section. [40 CFR 60.13(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Continuous monitoring systems or monitoring devices shall be installed so that representative measurements of emissions or process parameters are obtained. [40 CFR 60.13(f)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Owners or operators of all continuous monitoring other than opacity shall reduce all data to 1-hour averages for time periods as defined in 40 CFR 60.2. For continuous monitoring systems other than opacity, 1-hour averages shall be computed from four or more data points equally spaced over each 1-hour period. Data recorder during periods of continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments shall not be included in the data averages computed under this paragraph. For owners or operators complying with the requirements in 40 CFR 60.7(f)(1) or (2), averages must include any data recorded during periods of monitor breakdown or malfunction. An arithmetic or integrated average of all data may be used. The data may be recorded in reduced or nonreduced form (e.g., ppm pollutant and percent O₂ or ng/J of pollutant). All excess emissions shall be converted into units of the standard using the applicable conversion procedures specified in subparts. After conversion into units of the standard, the data may be rounded to the same number of significant digits as used in the applicable subparts to specify the emission limit (e.g., rounded to the nearest 1 percent opacity). [40 CFR 60.13(h)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Particulate Emissions <= 1.3 lb/ton dry sludge input. [40 CFR 60.152(a)(1)]</p>	<p>***REVISED BY DEP *** Particulate Emissions: Monitored by stack emission testing once initially. [N.J.A.C. 7:27-22.16(o)] As submitted on application:Particulate Emissions: Monitored by stack emission testing once initially, based on the average of three 1-hour tests. [40 CFR 60.8]</p>	<p>***REVISED BY DEP*** Particulate Emissions: Recordkeeping by stack test results once initially. Keep results of initial NSPS test on site. [N.J.A.C. 7:27-22.16(o)] As submitted on application:Particulate Emissions: Recordkeeping by stack test results once initially. [40 CFR 60.8]</p>	<p>***REVISED BY DEP*** Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. [N.J.A.C. 7:27-22.16(o)] As submitted on application:Submit a stack test report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit the results of performance tests to the Administrator. [40 CFR 60.8]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Opacity < 20 % . [40 CFR 60.152(a)(2)]</p>	<p>***REVISED BY DEP *** None. As submitted on application:Opacity: Monitored by stack emission testing once initially, based on the average of three 1-hour tests. [40 CFR 60.8]</p>	<p>***REVISED BY DEP*** None. As submitted on application:Opacity: Recordkeeping by stack test results once initially. [40 CFR 60.8]</p>	<p>***REVISED BY DEP*** None. As submitted on application:Submit a stack test report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit the results of performance tests to the Administrator. [40 CFR 60.8]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The owner or operator shall install, calibrate, maintain and operate a flow measuring device to determine either the mass or volume of sludge charged to the incinerator. The flow measuring device shall be certified by the manufacturer and shall have an accuracy of +/- 5% over its operating range. [40 CFR 60.153(a)(1)]</p>	<p>***REVISED BY DEP *** Monitored by sludge feed/charge rate monitoring continuously if the measured particulate emission rate exceeds 0.75 lb/dry ton sludge feed. [40 CFR 60.153(a)(1)] As submitted on application:Monitored by sludge feed/charge rate monitoring continuously, based on 6 minute blocks. The flow measuring device shall be certified by the manufacturer and shall have an accuracy of +/- 5% over its operating range. [40 CFR 60.153(a)(1)]</p>	<p>***REVISED BY DEP*** Recordkeeping by strip chart, data acquisition (DAS) system, or other method approved by BTS continuously , if the measured particulate emission rate exceeds 0.75 lb/dry ton sludge feed . The flow measuring device shall be operated continuously and data recorded during all periods of operation of the incinerator. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(3)] As submitted on application:Recordkeeping by records of calculations based on 40 CFR 60.154(b) continuously. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(3)]</p>	<p>***REVISED BY DEP*** Submit a report: As per the approved schedule. Semi-annually on January 30 and July 30 of each year, if (1) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in 40 CFR 60.7(c) need not be submitted unless requested by the Administrator. (2) If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in 40 CFR 60.7(c) shall both be submitted. If the flow measuring device is installed, and the particulate emission rate exceeds 0.75lb/dry ton sludge, the owner or operator shall report the rate of sludge charged to the incinerator over each 1-hour incinerator operating period for each calendar day that an increase in oxygen content of exhaust gas or decrease in scrubber pressure drop is reported pursuant to 40 CFR Part 60.155(a)(2) or (a)(1). [40 CFR 60.155(b)(4)] As submitted on application:Submit a report: Semi-annually on January 31 and July 31 of each year. The owner or operator shall report the rate of sludge charged to the incinerator over each 1-hour incinerator operating period for each calendar day that an increase in oxygen content of exhaust gas or scrubber pressure drop is reported pursuant to 40 CFR Part 60.155(a)(2) or (a)(1). [40 CFR 60.155(b)(4)]</p>

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	<p>***DELETED BY APPLICANT*** The owner or operator shall provide access to the sludge charged so that a well-mixed representative grab sample of the sludge can be obtained. [40 CFR 60.153(a)(2)]</p>	<p>***REVISED BY DEP *** None.</p>	<p>***REVISED BY DEP*** None.</p>	<p>***REVISED BY DEP*** None.</p>

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	<p>***DELETED BY APPLICANT*** The owner or operator shall install, calibrate, maintain and operate a monitoring device that continuously measures and records the pressure drop of the gas flow through the wet scrubbing device. The device used to monitor scrubber pressure drop shall be certified by the manufacturer to be accurate within +/-250 pascals (+/-1 inch water gauge) and shall be calibrated on an annual basis in accordance with the manufacturer's instructions. [40 CFR 60.153(b)(1)]</p>	<p>***REVISED BY DEP *** Monitored by pressure drop Instrument continuously. [40 CFR 60.153(b)(1)] As submitted on application:Pressure Drop Across the Scrubber: Monitored by pressure drop Instrument continuously, based on 6 minute blocks. The pressure drop monitoring device shall be certified by the manufacturer and shall have an accuracy of +/- 1 inch water gauge. [40 CFR 60.153(b)(1)]</p>	<p>***REVISED BY DEP*** Recordkeeping by strip chart or data acquisition (DAS) system continuously. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(1)] As submitted on application:Pressure Drop Across the Scrubber: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(1)]</p>	<p>***REVISED BY DEP*** Submit a report: As per the approved schedule. Semi-annually on January 30 and July 30 of each year, if (1) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report in 40 CFR 60.7c is not required. Operator shall report the average scrubber pressure drop measurements for each period of 15 minutes duration or more during which the pressure drop of the scrubber was less than, by a percentage specified below, the average scrubber pressure drop measured during the most recent performance test. The percent reduction in scrubber pressure drop for which a report is required shall be determined as follows:For incinerators that achieved an average particulate matter emission rate of 0.38 kg/Mg (0.75 lb/ton) dry sludge input or less during the most recent performance test, a scrubber pressure drop reduction of more than 30 percent from the average scrubber pressure drop recorded during the most recent performance test shall be reported.If the measured particulate emission rate exceeds 0.75 lb/dry ton sludge feed, then a percent reduction in pressure drop greater than that calculated according to the following equation shall be reported: $P = -111E + 72.15$ where P=Percent reduction in pressure drop, and E=Average particulate matter emissions (kg/megagram). [40 CFR 60.155(a)(1)(ii)] As submitted on application:Submit a report: Semi-annually on January 31 and July 31 of each year. The owner or operator shall report the average pressure drop measurements for each period of 15 minutes duration or more during which the pressure drop of the</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	during which the pressure drop of the scrubber was less than the limited % below the value obtained during the most recent performance test. [40 CFR 60.155(a)(1)(i)]
	<p>***DELETED BY APPLICANT*** Install, calibrate, maintain and operate a device for measuring the fuel flow to the incinerator. The flow measuring device shall be certified by the manufacturer to have an accuracy of +/-5 percent over its operating range. [40 CFR 60.153(b)(4)]</p>	<p>***REVISED BY DEP *** Monitored by fuel flow/firing rate instrument continuously if the measured particulate emission rate exceeds 0.75 lb/dry ton sludge feed. [40 CFR 60.153(b)(4)] As submitted on application:Monitored by fuel flow/firing rate instrument continuously, based on an 8 hour rolling average based on a 1 hour block average. [40 CFR 60.153(b)(4)]</p>	<p>***REVISED BY DEP*** Recordkeeping by strip chart, data acquisition (DAS) system, or other method approved by BTS continuously.if the measured particulate emission rate exceeds 0.75 lb/dry ton sludge feed. The flow measuring device shall be operated continuously and data recorded during all periods of operation of the incinerator. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(3)] As submitted on application:Recordkeeping by records of calculations based on 40 CFR 60.154(b) continuously. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(3)]</p>	<p>***REVISED BY DEP*** Submit a report: As per the approved schedule. Semi-annually on January 30 and July 30 of each year, if (1) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in 40 CFR 60.7(c) need not be submitted unless requested by the Administrator. (2) If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in 40 CFR 60.7(c) shall both be submitted. If the measured particulate emission rate exceeds 0.75 lb/dry ton sludge feed, the owner or operator shall report incinerator fuel use averaged over each 8-hour incinerator operating period for each calendar day that an increase in oxygen content of exhaust gas or decrease in scrubber pressure drop is reported pursuant to 40 CFR Part 60.155(a)(2) or (a)(1). [40 CFR 60.155(b)(5)] As submitted on application:Submit a report: Semi-annually on January 31 and July 31 of each year. The owner or operator shall report incinerator fuel use averaged over each 8-hour incinerator operating period for each calendar day that an increase in oxygen content of exhaust gas or scrubber pressure drop is reported pursuant to 40 CFR Part 60.155(a)(2) or (a)(1). [40 CFR 60.155(b)(5)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Install, calibrate, maintain and operate a monitoring device that continuously measures and records the oxygen content of the incinerator exhaust gas. The oxygen monitor shall be located upstream of any rabble shaft cooling air inlet into the incinerator exhaust gas stream, fan, ambient air recirculation damper, or any other source of dilution air. The oxygen monitoring device shall be certified by the manufacturer to have a relative accuracy of +/-5 percent over its operating range and shall be calibrated according to method(s) prescribed by the manufacturer at least once each 24-hour operating period. [40 CFR 60.153(b)(2)]</p>	<p>***REVISED BY DEP *** Monitored by continuous emission monitoring system continuously. [40 CFR 60.153(b)(2)] As submitted on application:Oxygen: Monitored by continuous emission monitor continuously, based on a 1 hour block average. The oxygen monitor shall be located upstream of any rabble shaft cooling air inlet into the incinerator exhaust gas stream, fan, ambient air recirculation damper, or any other source of dilution air. [40 CFR 60.153(b)(2)]</p>	<p>***REVISED BY DEP*** Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(2)] As submitted on application:Oxygen: Recordkeeping by data acquisition system (DAS) / electronic data storage continuously. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(2)]</p>	<p>***REVISED BY DEP*** Submit a report: As per the approved schedule. Semi-annually on January 30 and July 30 of each year, if (1) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in 40 CFR 60.7(c) need not be submitted unless requested by the Administrator. (2) If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in 40 CFR 60.7(c) shall both be submitted. If the oxygen monitor is installed, the owner or operator shall submit a record of the average oxygen content in the exhaust gas for each period of 1 hour or more that the oxygen content of the incinerator exhaust gas exceeds the average oxygen content measured during the most recent performance test by more than 3 percent. [40 CFR 60.155(a)(2)] As submitted on application:Submit a report: Semi-annually on January 31 and July 31 of each year. The owner or operator shall submit a record of the average oxygen content in the exhaust gas for each period of 1 hour or more that the oxygen content of the incinerator exhaust gas exceeds the average oxygen content measured during the most recent performance test by more than 3 percent. [40 CFR 60.155(a)(2)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The owner or operator shall install temperature measuring devices in the bed and outlet of the fluidized bed. Each temperature measuring device shall be certified by the manufacturer to have an accuracy of +/-5 percent over its operating range. [40 CFR 60.153(b)(3)]</p>	<p>***REVISED BY DEP *** Monitored by temperature instrument continuously , if the measured particulate emission rate exceeds 0.75 lb/dry ton sludge feed. [40 CFR 60.153(b)(3)] As submitted on application:Monitored by temperature instrument continuously, based on a 1 hour block average. A minimum of one thermocouple shall be installed in each hearth in the cooling and drying zone, and a minimum of two thermocouples shall be installed in each hearth in the combustion zone. [40 CFR 60.153(b)(3)]</p>	<p>***REVISED BY DEP*** Recordkeeping by strip chart or data acquisition (DAS) system continuously , if the measured particulate emission rate exceeds 0.75 lb/dry ton sludge feed. The temperature monitoring devices shall be operated continuously and data recorded during all periods of operation of the incinerator. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(3)] As submitted on application:Recordkeeping by records of calculations based on 40 CFR 60.154(b) continuously. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(3)]</p>	<p>***REVISED BY DEP*** Submit a report: As per the approved schedule. Semi-annually on January 30 and July 30 of each year, if (1) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in 40 CFR 60.7(c) need not be submitted unless requested by the Administrator. (2) If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in 40 CFR 60.7(c) shall both be submitted. If the temperature monitor is installed, and the particulate emission rate exceeds 0.75lb/dry ton sludge, the owner or operator shall report the temperatures of every hearth averaged over each 1-hour incinerator operating period for each calendar day that an increase in oxygen content of exhaust gas or decrease in scrubber pressure drop is reported pursuant to 40 CFR Part 60.155(a)(2) or (a)(1). [40 CFR 60.155(b)(3)] As submitted on application:Submit a report: Semi-annually on January 31 and July 31 of each year. The owner or operator shall report the temperatures of every hearth averaged over a 1-hour period for each calendar day that an increase in oxygen content of exhaust gas or scrubber pressure drop is reported pursuant to 40 CFR Part 60.155(a)(2) or (a)(1). [40 CFR 60.155(b)(3)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** If the measured particulate emission rate exceeds 0.75 lb/dry ton sludge feed, the owner or operator shall collect and analyze a grab sample of the sludge fed to the incinerator once per day. The dry sludge content and the volatile solids content of the sample shall be determined in accordance with the method specified under 40 CFR 60.154(b)(5), except that the determination of volatile solids, step (3)(b) of the method, may not be deleted. [40 CFR 60.153(b)(5)]</p>	<p>***REVISED BY DEP *** Monitored by sludge sampling once per calendar day during operation. [40 CFR 60.153(b)(5)] As submitted on application:Monitored by sludge sampling once per calendar day during operation, based on no averaging period. Sludge samples shall be analyzed using the methods specified at 40 CFR Part 154(c)(2). [40 CFR 60.153(b)(5)]</p>	<p>***REVISED BY DEP*** Recordkeeping by records of calculations based on 40 CFR 60.154(b) upon occurrence of event. Records of the total solids and volatile solids content of the sludge charged to the incinerator shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(3)] As submitted on application:Recordkeeping by records of calculations based on 40 CFR 60.154(b) upon occurrence of event. Records shall be maintained for a minimum of 2 years from the date of recording. [40 CFR 60.153(c)(3)]</p>	<p>***REVISED BY DEP*** Submit a report: As per the approved schedule. Semi-annually on January 30 and July 30 of each year, if (1) If the total duration of excess emissions for the reporting period is less than 1 percent of the total operating time for the reporting period and CMS downtime for the reporting period is less than 5 percent of the total operating time for the reporting period, only the summary report form shall be submitted and the excess emission report described in 40 CFR 60.7(c) need not be submitted unless requested by the Administrator. (2) If the total duration of excess emissions for the reporting period is 1 percent or greater of the total operating time for the reporting period or the total CMS downtime for the reporting period is 5 percent or greater of the total operating time for the reporting period, the summary report form and the excess emission report described in 40 CFR 60.7(c) shall both be submitted. If a grab sample of sludge is taken, and the particulate emission rate exceeds 0.75lb/dry ton sludge, the owner or operator shall report the moisture and volatile solids content of the daily grab sample of sludge charged to the incinerator for each calendar day that an increase in oxygen content of exhaust gas or decrease in scrubber pressure drop is reported pursuant to 40 CFR Part 60.155(a)(2) or (a)(1). [40 CFR 60.155(b)(6)] As submitted on application:Submit a report: Semi-annually on January 31 and July 31 of each year. The owner or operator shall report the moisture and volatile solids content of the daily grab sample of sludge charged to the incinerator for each calendar day that an increase in oxygen content of exhaust gas or scrubber pressure drop is reported pursuant to 40 CFR Part 60.155(a)(2) or (a)(1). [40 CFR 60.155(b)(6)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The owner or operator of an existing source which had an initial startup before the effective date shall provide the following information in writing to the Administrator within 90 days after the effective date:</p> <p>(1) Name and address of the owner or operator.</p> <p>(2) The location of the source.</p> <p>(3) The type of hazardous pollutants emitted by the stationary source.</p> <p>(4) A brief description of the nature, size, design, and method of operation of the stationary source including the operating design capacity of the source. Identify each point of emission for each hazardous pollutant.</p> <p>(5) The average weight per month of the hazardous materials being processed by the source, over the last 12 months preceding the date of the report.</p> <p>(6) A description of the existing control equipment for each emission point including:</p> <p>(i) Each control device for each hazardous pollutant; and</p> <p>(ii) Estimated control efficiency (percent) for each control device.</p> <p>(7) A statement by the owner or operator of the source as to whether the source can comply with the standards within 90 days after the effective date. [40 CFR 61.10(a)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** Submit a report: Once initially. [40 CFR 61.10(a)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The owner or operator of each stationary source shall maintain and operate the source, including associated equipment for air pollution control, 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, review of operating and maintenance procedures, and inspection of the source. [40 CFR 61.12(c)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** No owner or operator shall build, erect, install, or use any article machine, equipment, process, or method, 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 dilutants to achieve compliance with a visible emissions standard, and the piecemeal carrying out of an operation to avoid coverage by a standard that applies only to operations larger than a specified size. [40 CFR 61.19]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Beryllium Emissions <= 10 grams per 24-hour period (0.022 lb per 24-hour period) per incinerator. [40 CFR 61.32(a)]</p>	<p>***REVISED BY DEP *** None. As submitted on application:Beryllium Emissions: Monitored by stack emission testing once initially, based on one calendar day. [40 CFR 61.33(a)]</p>	<p>***REVISED BY DEP*** None. As submitted on application:Beryllium Emissions: Recordkeeping by stack test results once initially. [40 CFR 61.33(e)]</p>	<p>***REVISED BY DEP*** None. As submitted on application:Submit a report: By the close of the next business day by registered letter to the Administrator providing the determination of the source test. [40 CFR 61.33(d)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT Mercury Emissions <= 3,200 grams per 24-hour period (7.1 lb per 24-hour period). [40 CFR 61.52(b)]	***REVISED BY DEP *** None. As submitted on application:Mercury Emissions: Monitored by stack emission testing once initially, based on a 24 hour period. Stack emission testing shall be conducted using Method 101A in Appendix B to 40 CFR Part 61. Samples shall be taken over such a period as necessary to determine accurately the maximum emissions which will occur in a 24-hour period. All samples shall be analyzed and mercury emissions shall be determined within 30 days after the stack test. [40 CFR 61.53(d)(1)]	***REVISED BY DEP*** None. As submitted on application:Mercury Emissions: Recordkeeping by stack test results once initially. [40 CFR 61.53(d)(6)]	***REVISED BY DEP*** None. As submitted on application:Submit a stack test report: Within 60 days of stack testing to the Administrator by registered letter dispatched within 15 calendar days following the receipt of the results of sampling. [40 CFR 61.53(d)(6)]
	DELETED BY APPLICANT No person shall use or dispose of sewage sludge through any practice for which requirements are established in 40 CFR 503 except in accordance with such requirements. [40 CFR 503.3(2)(b)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Any person who prepares sewage sludge shall ensure that the applicable requirements in 40 CFR 503 are met when the sewage sludge is fired in a sewage sludge incinerator. [40 CFR 503.7]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Representative samples of sewage sludge that is fired in a sewage sludge incinerator shall be collected and analyzed. [40 CFR 503.8(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

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	<p>***DELETED BY APPLICANT*** Carbon monoxide <= 100 ppmvd @ 7% O2. Maximum monthly average concentration of carbon monoxide in the exit gas from the sewage sludge incinerator stack. [40 CFR 503.40(c)(2)]</p>	<p>***ADDED BY DEP *** Carbon monoxide: Monitored by continuous emission monitoring system continuously. [40 CFR 503.40(c)(1)]</p>	<p>***ADDED BY DEP*** Carbon monoxide: Recordkeeping by strip chart or data acquisition (DAS) system continuously. Records of the carbon monoxide concentration in the exit gas and a calibration and maintenance log for the instrument used to measure the carbon monoxide concentration shall be maintained for a minimum of 5 years. [40 CFR 503.40(c)(3)]</p>	<p>***ADDED BY DEP*** Submit a report: As per the approved schedule. Class I sludge management facilities, POTWs (as defined in 40 CFR 501.2) with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve a population of 10,000 people or greater shall submit the information in 40CFR 503.47(b) through 503.47(h) to the following permitting authority on February 19 of each year. Submit a report to United States Environmental Protection Agency, Region II, Water Compliance Branch, 290 Broadway, New York, New York 10007-1866 . [40 CFR 503.48]</p>
	<p>***DELETED BY APPLICANT*** Firing of sewage sludge in a sewage sludge incinerator shall not violate the requirements in the National Emission Standard for Beryllium in subpart C of 40 CFR part 61. [40 CFR 503.43(a)]</p>	<p>***ADDED BY DEP *** Other: The frequency of monitoring for beryllium shall be as required in subpart C of 40 CFR part 61. [40 CFR 503.46(a)(1)].</p>	<p>***ADDED BY DEP*** Other: Information that indicates the requirements in the National Emission Standard for beryllium in subpart C of 40 CFR part 61 are met. Records shall be maintained for a minimum of 5 years. [40 CFR 503.47(d)].</p>	<p>***ADDED BY DEP*** Submit a report: As per the approved schedule. Class I sludge management facilities, POTWs (as defined in 40 CFR 501.2) with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve a population of 10,000 people or greater shall submit the information in 40CFR 503.47(b) through 503.47(h) to the following permitting authority on February 19 of each year. Submit a report to United States Environmental Protection Agency, Region II, Water Compliance Branch, 290 Broadway, New York, New York 10007-1866 . [40 CFR 503.48]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Firing of sewage sludge in a sewage sludge incinerator shall not violate the requirements in the National Emission Standard for Mercury in subpart E of 40 CFR part 61. [40 CFR 503.43(b)]</p>	<p>***ADDED BY DEP *** Other: The frequency of monitoring for mercury as required in subpart E of 40 CFR part 61.[40 CFR 503.46(a)(1)].</p>	<p>***ADDED BY DEP*** Other: Information that indicates the requirements in the National Emission Standard for mercury in subpart E of 40 CFR part 61 are met. Records shall be maintained for a minimum of 5 years.[40 CFR 503.47(e)].</p>	<p>***ADDED BY DEP*** Submit a report: As per the approved schedule. Class I sludge management facilities, POTWs (as defined in 40 CFR 501.2) with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve a population of 10,000 people or greater shall submit the information in 40CFR 503.47(b) through 503.47(h) to the following permitting authority on February 19 of each year. Submit a report to United States Environmental Protection Agency, Region II, Water Compliance Branch, 290 Broadway, New York, New York 10007-1866 . [40 CFR 503.48]</p>

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	<p>***DELETED BY APPLICANT*** The average daily concentration for lead in sewage sludge fed to a sewage sludge incinerator shall not exceed the concentration calculated using Equation in Monitoring requirement. [40 CFR 503.43(c)]</p>	<p>***ADDED BY DEP *** Monitored by calculations at the approved frequency , once per 60 days (six times per year) per Table 1 of 40 CFR 503.46.</p> <p>(1) The average daily concentration for lead in sewage sludge fed to a sewage sludge incinerator shall not exceed the concentration calculated using the following equation:</p> $C = (0.1) \times (\text{NAAQS}) \times 86,400 / (\text{DF}) \times (1 - \text{CE}) \times (\text{SF})$ <p>Where: C = Average daily concentration of lead in sewage sludge. NAAQS = National Ambient Air Quality Standard for lead in micrograms per cubic meter. DF = Dispersion factor in micrograms per cubic meter per gram per second. CE = Sewage sludge incinerator control efficiency for lead in hundredths. SF = Sewage sludge feed rate in metric tons per day (dry weight basis)</p> <p>(2) DF shall be determined from an air dispersion model in accordance with 40 CFR 503.43(e). (i) When the sewage sludge stack height is 65 meters or less, the actual sewage sludge incinerator stack height shall be used in the air dispersion model to determine the DF.</p> <p>(3) CE shall be determined from a performance test of the sewage sludge incinerator in accordance with 40 CFR 503.43(e). [40 CFR 503.43(c)]</p>	<p>***ADDED BY DEP*** Recordkeeping by manual logging of parameter at the approved frequency. Records of the average daily concentration for lead in sewage sludge fed and the sewage sludge feed rate shall be maintained for a minimum of 5 years from the date of recording. [40 CFR 503.47 (i)] and. [40 CFR 503.47(b)]</p>	<p>***ADDED BY DEP*** Submit a report: As per the approved schedule. Class I sludge management facilities, POTWs (as defined in 40 CFR 501.2) with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve a population of 10,000 people or greater shall submit the information in 40CFR 503.47(b) through 503.47(h) to the following permitting authority on February 19 of each year. Submit a report to United States Environmental Protection Agency, Region II, Water Compliance Branch, 290 Broadway, New York, New York 10007-1866 . [40 CFR 503.48]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The average daily concentration for arsenic, cadmium, chromium, and nickel in sewage sludge fed to a sewage sludge incinerator each shall not exceed the concentration calculated using equation Monitoring requirement. [40 CFR 503.43(d)]</p>	<p>***ADDED BY DEP *** Monitored by calculations at the approved frequency , once per 60 days (6 times per year) per Table 1 of 40 CFR 503.46, using equation: $C = (RSC) \times (86,400) / (DF) \times (1-CE) \times (SF)$, Where: C = Avg. daily concentration of arsenic, cadmium, chromium, or nickel in sewage sludge; CE = Sewage sludge incinerator control efficiency for arsenic, cadmium, chromium, or nickel in hundredths; DF = Dispersion factor in micrograms per cubic meter per gram per second; RSC = Risk specific concentration for arsenic, cadmium, chromium, or nickel in micrograms per cubic meter; SF = Sewage sludge feed rate in metric tons per day (dry weight basis). The RSC for arsenic, cadmium, and nickel used in the equation shall be: Arsenic = 0.023 micrograms per cubic meter; Cadmium = 0.057 micrograms per cubic meter; Nickel = 2.0 micrograms per cubic meter. The RSC for chromium used in above equation shall be 0.064 micrograms per cubic meter or shall be calculated using the following equation: $RSC = (0.0085) / (r)$, Where: RSC=risk specific concentration for chromium in micrograms per cubic meter; r=decimal fraction of the hexavalent chromium concentration in the total chromium concentration measured in the exit gas from the sewage sludge incinerator stack in hundredths. The DF shall be determined from an air dispersion model in accordance with 40 CFR 503.43(e). (i) The actual sewage sludge incinerator stack height shall be used in the air dispersion model to determine the DF. CE shall be determined from a performance test per 40 CFR 503.43(e). [40 CFR 503.43(d)]</p>	<p>***ADDED BY DEP*** Recordkeeping by manual logging of parameter at the approved frequency. Records of the average daily concentration for arsenic, cadmium, chromium and nickel in sewage sludge fed and the sewage sludge feed rate shall be maintained for a minimum of 5 years from the date of recording. [40 CFR 503.47 (i)] and. [40 CFR 503.47(b)]</p>	<p>***ADDED BY DEP*** Submit a report: As per the approved schedule. Class I sludge management facilities, POTWs (as defined in 40 CFR 501.2) with a design flow rate equal to or greater than one million gallons per day, and POTWs that serve a population of 10,000 people or greater shall submit the information in 40CFR 503.47(b) through 503.47(h) to the following permitting authority on February 19 of each year. Submit a report to United States Environmental Protection Agency, Region II, Water Compliance Branch, 290 Broadway, New York, New York 10007-1866 . [40 CFR 503.48]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Significant changes in geographic or physical characteristics at the incinerator site or in incinerator operating conditions require new air dispersion modeling or performance testing to determine a new dispersion factor or a new control efficiency that will be used to calculate revised pollutant limits. [40 CFR 503.43(e)(5)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** An instrument that continuously measures and records the oxygen concentration in the sewage sludge incinerator stack exit gas shall be installed, calibrated, operated, and maintained for a sewage sludge incinerator. [40 CFR 503.45(b)]</p>	<p>***ADDED BY DEP *** Monitored by continuous emission monitoring system continuously. [40 CFR 503.46(b)]</p>	<p>***ADDED BY DEP*** Recordkeeping by strip chart or data acquisition (DAS) system continuously. Records of the oxygen concentration in the exit gas from the sewage sludge and a calibration and maintenance log for the instrument used to measure the oxygen concentration in the exit gas from the sewage sludge incinerator stack shall be maintained for a minimum of 5 years. [40 CFR 503.47(h)]</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** An instrument that continuously measures and records information used to determine the moisture content in the sewage sludge incinerator stack exit gas shall be installed, calibrated, operated, and maintained for a sewage sludge incinerator. [40 CFR 503.45(c)]</p>	<p>***ADDED BY DEP *** Other: Monitored by an instrument that continuously measures and records information used to determine the moisture content. The monitoring shall be established and in use within 120 days from the effective date of the minor modification.[40 CFR 503.46(b)].</p>	<p>***ADDED BY DEP*** Recordkeeping by strip chart, data acquisition (DAS) system, or other method approved by BTS continuously. Records of the information used to measure moisture content in the exit gas from the sewage sludge incinerator stack and a calibration and maintenance log for the instrument used to measure the information used to measure moisture content in the exit gas from the sewage sludge incinerator stack shall be maintained for a minimum of 5 years. The recordkeeping shall be established and in use within 120 days from the effective date of the minor modification. [40 CFR 503.47(h)]</p>	<p>***ADDED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT An instrument that continuously measures and records combustion temperatures shall be installed, calibrated, operated, and maintained for a sewage sludge incinerator. [40 CFR 503.45(d)]	***ADDED BY DEP *** Monitored by temperature instrument continuously. [40 CFR 503.46(b)]	***ADDED BY DEP*** Recordkeeping by strip chart or data acquisition (DAS) system continuously. Records of the operating combustion temperatures for the sewage sludge incinerator and a calibration and maintenance log for the instrument used to measure the combustion temperatures in the exit gas from the sewage sludge incinerator stack shall be maintained for a minimum of 5 years. [40 CFR 503.47(f)]	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Operation of a sewage sludge incinerator shall not cause the operating combustion temperature for the sewage sludge incinerator to exceed the performance test combustion temperature by more than 20 percent. [40 CFR 503.45(e)]	***ADDED BY DEP *** Monitored by temperature instrument continuously. [40 CFR 503.46(b)]	***ADDED BY DEP*** Recordkeeping by strip chart or data acquisition (DAS) system continuously. Records of the operating combustion temperatures for the sewage sludge incinerator shall be maintained for a minimum of 5 years. [40 CFR 503.46(b)]	***ADDED BY DEP*** None.
	DELETED BY APPLICANT An air pollution control device shall be appropriate for the type of sewage sludge incinerator and the operating parameters for the air pollution control device shall be adequate to indicate proper performance of the air pollution control device. For sewage sludge incinerators subject to the requirements in subpart O of 40 CFR part 60, operation of the air pollution control device shall not violate the requirements for the air pollution control device in subpart O of 40 CFR part 60. [40 CFR 503.45(f)]	***ADDED BY DEP *** Other: Air pollution control device operating parameters. For sewage sludge incinerators subject to the requirements in subpart O of 40 CFR part 60, the frequency of monitoring for the appropriate air pollution control device operating parameters shall be the frequency of monitoring in subpart O of 40 CFR part 60.[40 CFR 503.46(c)].	***ADDED BY DEP*** Other: Values for the air pollution control device operating parameters. Records shall be maintained for a minimum of 5 years.[40 CFR 503.47(g)].	***ADDED BY DEP*** None.
	DELETED BY APPLICANT Sewage sludge shall not be fired in a sewage sludge incinerator if it is likely to adversely affect a threatened or endangered species listed under section 4 of the Endangered Species Act or its designated critical habitat. [40 CFR 503.45(g)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The instruments required in 40 CFR 503.45(a)-(d) shall be appropriate for the type of sewage sludge incinerator. [40 CFR 503.45(h)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Maintain records of the stack height for the sewage sludge incinerators, the dispersion factor for the site where the sewage sludge incinerators are located, the control efficiency for lead, arsenic, cadmium, chromium and nickel for each sewage sludge incinerator and the risk specific concentration for chromium if calculated. [40 CFR 503.47(j)], [40 CFR 503.47(k)], [40 CFR 503.47(l)] and [40 CFR 503.47(m)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Records shall be maintained for a minimum of 5 years.[40 CFR 503.47(a)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY DEP*** PM-10 (Total) <= 7.732 tons/yr (front half, filterable + back half, condensable) maximum annual emissions. [N.J.A.C. 7:27-22.16(e)]</p>			

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** STACK TESTING SUMMARY</p> <p>The permittee shall conduct a stack test at least 18 months prior to the expiration of the renewed operating permit using an approved protocol to demonstrate compliance with emission limits for VOC, NOx, CO, SO2, TSP, PM-10, and Formaldehyde as specified in the compliance plan for OS1-OS6.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. The worst-case operating conditions shall be based upon the actual landfill gas flow rate at the time of the stack test.</p> <p>The November 2014 stack test (TST140001) shall satisfy this permit requirement for the permit term ending January 23, 2017.</p> <p>[N.J.A.C. 7:27-22.16(a)]</p>	<p>***REVISED BY DEP *** Other: Monitoring as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].</p>	<p>***REVISED BY DEP*** Other: Recordkeeping as required under the applicable operating scenario(s).[N.J.A.C. 7:27-22.16(o)].</p>	<p>***REVISED BY DEP*** 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 Mail Code: 380-01A, PO Box 420, Trenton, NJ 08625 at least 30 months prior to the expiration of the approved operating permit. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by BTS. The ERT program can be downloaded at: http://www.epa.gov/ttnchie1/ert.</p> <p>Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to BTS and a certified summary test report must be submitted to the Regional Enforcement Office 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 licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] & [N.J.A.C. 7:27-22.18(h)]</p>

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The Permittee shall submit a final control plan and achieve final compliance by March 21, 2016. The final control plan shall include a description of the devices for air pollution control and process changes that will be used to comply with the emissions limits and standards and other requirements of the Federal Plan.</p> <p>[40 CFR 62.15875]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain an onsite a copy of the final control plan if applicable.[40 CFR 62.15900(b)].</p>	<p>***ADDED BY DEP*** Submit a plan: As per the approved schedule. Submit the final control plan by March 21, 2016 to the EPA regional office and permitting authority or delegated authority that includes the four items described in paragraphs (a)(1) through (4) of 40 CFR 62.15900:</p> <p>(1) A description of the devices for air pollution control and process changes that you will use to comply with the emission limits and standards and other requirements of this subpart;</p> <p>(2) The type(s) of waste to be burned, if waste other than sewage sludge is burned in the unit;</p> <p>(3) The maximum design sewage sludge burning capacity; and</p> <p>(4) If applicable, the petition for site-specific operating limits under § 62.15965. [40 CFR 62.15900(a)]</p>
	<p>***DELETED BY APPLICANT*** If the permittee fail to submit a final control plan and achieve final compliance, the permittee must submit a notification to the EPA regional office and permitting authority or delegated authority postmarked within 10 business days after the compliance date in Table I to this subpart. The permittee must inform the permitting authority that you did not achieve compliance, and you must continue to submit reports each subsequent calendar month until a final control plan is submitted and final compliance is met. An SSI unit that operates out of compliance after the final compliance date would be in violation of the federal plan and subject to enforcement action. [40 CFR 62.15895]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** Submit notification: As per the approved schedule. Submit a notification to the EPA regional office and permitting authority or delegated authority postmarked within 10 business days after the compliance date in Table 1 to Subpart LLL. [40 CFR 62.15895]</p>

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The Permittee cannot operate the SSI unit unless a fully trained and qualified SSI unit operator is accessible, either at the facility or can be at the facility within 1 hour. The trained and qualified SSI unit operator may operate the SSI unit directly or be the direct supervisor of one or more other plant personnel who operate the unit. If all qualified SSI unit operators are temporarily not accessible, you must follow the procedures in 40 CFR 62.15945. [40 CFR 62.15920(a)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain documentation of training. Operator training and qualification must be obtained through by completing the requirements included in paragraph (c) of 40 CFR 62.15920(c).[40 CFR 62.15920(b)].</p>	<p>***ADDED BY DEP*** None.</p>

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** Training must be obtained by completing an incinerator operator training course that includes, at a minimum, the three elements described in paragraphs (c)(1) through (3) of 40 CFR 62.1590: (1) Training on the 10 subjects listed in the following section: (i) Environmental concerns, including types of emissions; (ii) Basic combustion principles, including products of combustion; (iii) Operation of the specific type of incinerator to be used by the operator, including proper startup, sewage sludge feeding and shutdown procedures; (iv) Combustion controls and monitoring; (v) Operation of air pollution control equipment and factors affecting performance (if applicable); (vi) Inspection and maintenance of the incinerator and air pollution control devices; (vii) Actions to prevent malfunctions or to prevent conditions that may lead to malfunctions; (viii) Bottom and fly ash characteristics and handling procedures; (ix) Applicable federal, state and local regulations, including Occupational Safety and Health Administration workplace standards; and (x) Pollution prevention. (2) An examination designed and administered by the instructor administering the subjects in paragraph (c)(1) of this section. (3) Written material covering the training course topics that may serve as reference material following completion of the course.</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain documentation of training at the facility including the the documentation of the operator training procedures specified under 40 CFR 62.15920(c)(1) and make the documentation readily accessible to all SSI unit operators.[40 CFR 62.15950(a)].</p>	<p>***ADDED BY DEP*** None.</p>

[40 CFR 62.15920(c)]

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<p>Ref.#</p>	<p>***DELETED BY APPLICANT*** In order to complete qualification an operator must pass an examination designed and administered by the instructor administering the subjects in paragraph (c)(1) of this section. [40 CFR 62.15920(c)(2)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain documentation of training. Written material covering the training course topics that may serve as reference material following completion of the course.[40 CFR 62.15920(c)(3)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Operator training must be completed by the later of the following three dates: 1.) The final compliance date, 2.) 6 months after the SSI startup or, 3.) 6 months after an employee assumes responsibility of operating or supervising operation of the SSI unit. [40 CFR 62.15925]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain documentation of training.[40 CFR 62.15920(c)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Operator qualification is valid from the date on which the training course is completed and the operator successfully passes the examination required under 40 CFR 62.15920(c)(2). [40 CFR 62.15930(b)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain documentation of training.[40 CFR 62.15920(c)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** Maintaining operator qualification requires an annual refresher course or review including coverage of the following topics: 1.) Update of regulations 2.) Proper incinerator operation procedures 3.) Inspection and maintenance 4.) Prevention of malfunctions or conditions leading to malfunction 5.) Discussion of operating problems encountered by attendees [40 CFR 62.15935]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain documentation of training.[40 CFR 62.15920(c)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** The permittee must renew a lapsed operator qualification before the operator begin operation of an SSI unit by one of the two methods specified in paragraphs (a) and (b) of 40 CFR 62.15940: (a) For a lapse of less than 3 years, you must complete a standard annual refresher course described in 40 CFR 62.15935; and (b) For a lapse of 3 years or more, you must repeat the initial qualification requirements in 40 CFR 62.15920. [40 CFR 62.15940]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other.[40 CFR 62.15920(c)].</p>	<p>***ADDED BY DEP*** None.</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** When a qualified operator is not accessible for more than 8 hours, the SSI unit may be operated for less than 2 weeks by other plant personnel who are familiar with the operation of the SSI unit and who have completed a review of the information specified in 40 CFR 62.15950 within the past 12 months. However, you must record the period when a qualified operator was not accessible and include this deviation in the annual report as specified under 40 CFR 62.16030(c) [40 CFR 62.15945(a)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain records showing the periods when no qualified operators were accessible for more than 8 hours, but less than 2 weeks, as required in 40 CFR 62.15945(a).[40 CFR 62.16025(c)(3)].</p>	<p>***ADDED BY DEP*** Submit documentation of compliance: As per the approved schedule A Qualified Operator Deviation Report must be submitted if all qualified operators are not accessible to the SSI unit for less than 2 weeks. [40 CFR 62.16030(c)]</p>

**New Jersey Department of Environmental Protection
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** When a qualified operator is not accessible for 2 weeks or more:</p> <p>(1) Notify the Administrator of this deviation in writing within 10 days. In the notice, state what caused this deviation, what you are doing to ensure that a qualified operator is accessible, and when you anticipate that a qualified operator will be accessible.</p> <p>(2) Submit a status report to the Administrator every 4 weeks outlining what you are doing to ensure that a qualified operator is accessible, stating when you anticipate that a qualified operator will be accessible, and requesting approval from the Administrator to continue operation of the SSI unit. You must submit the first status report 4 weeks after you notify the Administrator of the deviation as specified in 40 CFR 62.15945(b)(1).</p> <p>(i) If the Administrator notifies you that your request to continue operation of the SSI unit is disapproved, the SSI unit may continue operation for 30 days, and then must cease operation.</p> <p>(ii) Operation of the unit may resume if a qualified operator is accessible as required under 40 CFR 62.15920(a). You must notify the Administrator within 5 days of having resumed operations and of having a qualified operator accessible.</p> <p>[40 CFR 62.15945(b)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain records showing the periods when no qualified operators were accessible for 2 weeks or more along with copies of reports submitted as required in 40 CFR 62.15945(b).[40 CFR 62.16025(c)(4)].</p>	<p>***ADDED BY DEP*** Submit notification: As per the approved schedule. If all qualified operators are not accessible for 2 weeks or more, you must take the following actions:</p> <p>(i) Submit a notification of the deviation within 10 days that includes the three items in paragraphs (e)(1)(i)(A) through (C) of 40 CFR 62.16030.</p> <p>(A) A statement of what caused the deviation.</p> <p>(B) A description of actions taken to ensure that a qualified operator is accessible.</p> <p>(C) The date when you anticipate that a qualified operator will be available.</p> <p>(ii) Submit a status report to the Administrator every 4 weeks that includes the three items in paragraphs (e)(1)(ii)(A) through (C) of 62.16030.</p> <p>(A) A description of actions taken to ensure that a qualified operator is accessible.</p> <p>(B) The date when you anticipate that a qualified operator will be accessible.</p> <p>(C) Request for approval from the Administrator to continue operation of the SSI unit. [40 CFR 62.16030(e)(1)]</p>

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY APPLICANT*** The permittee must establish a program for reviewing the information listed in 40 CFR 62.15920 (c)(1) with each qualified incinerator operator and other plant personnel who may operate the unit according to the provisions of 40 CFR 62.15945(a), according to the following schedule:</p> <p>(1) The initial review of the information listed in 40 CFR 62.15920(c)(1) must be conducted within 6 months after the effective date of this subpart or prior to an employee's assumption of responsibilities for operation of the SSI unit, whichever date is later;</p> <p>(2) Subsequent annual reviews of the information listed in 40 CFR 62.15920(c)(1) must be conducted no later than 12 months following the previous review. [40 CFR 62.15950(b)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** Other: Maintain documentation of training.[40 CFR 62.15920(c)].</p>	<p>***ADDED BY DEP*** None.</p>
	<p>***DELETED BY APPLICANT*** If your unit was shut down by the Administrator, under the provisions of 40 CFR 62.15945(b)(2)(i), due to a failure to provide an accessible qualified operator, you must notify the Administrator within five days of meeting 40 CFR 62.15945(b)(2)(ii) that you are resuming operation. [40 CFR 62.16030(e)(2)]</p>	<p>***ADDED BY DEP *** None.</p>	<p>***ADDED BY DEP*** None.</p>	<p>***ADDED BY DEP*** Submit notification: As per the approved schedule. Submit notification to the Administrator within five days of meeting 40 CFR 62.15945(b)(2)(ii) that you are resuming operation. [40 CFR 62.16030(e)(2)]</p>

**New Jersey Department of Environmental Protection
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Emission Unit: U1 Two fluidized bed incinerators, three belt filter presses and headworks.

Operating Scenario: OS6 Sludge blend tank

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	***ADDED BY DEP *** The emissions from the sludge blend tank shall be vented to and controlled by the carbon adsorption odor control system. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT When venting the sludge blend tank through incinerator 1 normal operation through emission point 1 or through emission point 2 with WESP off, the hours of operation are limited to 360 hours per year. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Recordkeeping by manual logging of parameter upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
2	*** REVISED BY DEP *** Emissions of all air contaminants shall be below the respective reporting threshold of N.J.A.C. 7:27-22., Appendix when venting to either of the two incinerators. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.
3	***ADDED BY DEP *** VOC (Total) <= 0.06 lb/hr from the sludge blend tank emitting through the carbon adsorber unit. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT The owner or operator shall inspect and maintain the carbon adsorber (CD4) on a schedule necessary to achieve the required control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Monitored by visual determination once every 2 weeks. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Recordkeeping by manual logging of parameter once every 2 weeks Record each inspection and maintenance event in a permanently bound log book or readily accessible computer based memory. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
	DELETED BY DEP The carbon adsorption odor control unit shall not be used in a manner which will cause odors being detectable by sense of smell in any area, except for those areas over which the owner has exclusive use or occupancy. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Monitored by odor threshold monitoring daily. A daily inspection of the unit must be conducted in order to determine odor breakthrough of the carbon unit by sense of smell. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. The following records pertaining to the carbon adsorption unit shall be maintained: - Date of replacement or regeneration - Hours of operation per day - Determination of odor breakthrough [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** The carbon bed must be changed or regenerated when it is determined that odor breakthrough has occurred. Other (provide description): Not Applicable. [N.J.A.C. 7:27-22.16(3)]

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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	***ADDED BY DEP *** The sludge blend tank may be vented directly to the atmosphere for a maximum of 720 hours per year while maintenance of equipment or control devices is being performed. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Recordkeeping by manual logging of parameter upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.

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Emission Unit: U1 Two fluidized bed incinerators, three belt filter presses and headworks.

Operating Scenario: OS7 Septage receiving station

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	***ADDED BY DEP *** The emissions from the septage receiving station shall be controlled by the carbon adsorption odor control system. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
	DELETED BY APPLICANT When venting the septage receiving station through incinerator 1 normal operation through emission point 1 or through emission point 2 with WESP off, the hours of operation are limited to 360 hours per year. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Recordkeeping by manual logging of parameter upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
2	*** REVISED BY DEP *** Emissions of all air contaminants shall be below the respective reporting threshold of N.J.A.C. 7:27-22., Appendix when venting through either of the two incinerators. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.
3	*** REVISED BY DEP *** VOC (Total) <= 0.06 lb/hr from the septage receiving station passing through the carbon absorber unit. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.
	DELETED BY APPLICANT The owner or operator shall inspect and maintain the carbon adsorber (CD4) on a schedule necessary to achieve the required control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Monitored by visual determination once every 2 weeks. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Recordkeeping by manual logging of parameter once every 2 weeks Record each inspection and maintenance event in a permanently bound log book or readily accessible computer based memory. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
	DELETED BY DEP The carbon adsorption odor control unit shall not be used in a manner which will cause odors being detectable by sense of smell in any area, except for those areas over which the owner has exclusive use or occupancy. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** A daily inspection of the unit must be conducted in order to determine odor breakthrough of the carbon unit by sense of smell. Monitored by other method (provide description) daily. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. The following records pertaining to the carbon adsorption unit shall be maintained: - Date of replacement or regeneration - Hours of operation per day - Determination of odor breakthrough [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** The carbon bed must be changed or regenerated when it is determined that odor breakthrough has occurred. Other (provide description): Not Applicable. [N.J.A.C. 7:27-22.16(e)]

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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	*** REVISED BY DEP *** The Septage Receiving Station may be vented directly to atmosphere for a maximum of 720 hours per year while maintenance of equipment or control devices is being performed. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** Recordkeeping by manual logging of parameter upon occurrence of event. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Two fluidized bed incinerators, three belt filter presses and headworks.

Operating Scenario: OS8 Belt filter press #1

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	*** REVISED BY DEP *** SRVSA may exhaust air from Belt Filter Presses 1, 2, and 3 to the incinerator building roof fan, PT7. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.
2	*** REVISED BY DEP *** Emissions of all air contaminants shall be below the respective reporting threshold of N.J.A.C. 7:27-22., Appendix. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Two fluidized bed incinerators, three belt filter presses and headworks.

Operating Scenario: OS9 Belt filter press #2

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY DEP SRVSA may exhaust air from Belt Filter Presses 1, 2, and 3 to the 16 foot fluidized bed incinerator PT2 or to PT7. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.
	DELETED BY DEP Emissions of all air contaminants shall be below the respective reporting threshold of N.J.A.C. 7:27-22., Appendix. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Other: VOC-HAPs: Monitored by Draeger tube (or similar) testing for formaldehyde, once annually . For all HAPs, emission rates will be calculated based on the current year's sludge analyses and monitored results. These compounds are formaldehyde, benzene, vinyl chloride, chloroform, carbon tetrachloride, 1,1,1 trichloroethane, methylene chloride, tetrachloroethylene, trichloroethylene, toluene, and xylenes. Based on the monitored and calculated results, the Department may decide on discontinuation of testing, continuation of testing, or any other action necessary.[N.J.A.C. 7:27-22.16(e)].	***REVISED BY DEP*** Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Other (provide description): As per the approved schedule Submit emission report to the field office annually. [N.J.A.C. 7:27-22.16(e)]
1	*** REVISED BY DEP *** SRVSA may exhaust air from Belt Filter Presses 1, 2, and 3 to the incinerator building roof fan, PT7. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.
2	*** REVISED BY DEP *** Emissions of all air contaminants shall be below the respective reporting threshold of N.J.A.C. 7:27-22., Appendix. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U1 Two fluidized bed incinerators, three belt filter presses and headworks.

Operating Scenario: OS10 Belt filter press #3

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY DEP*** A subchapter 8 permit required for equipment which is used for treating groundwater, industrial wastewater, or municipal wastewater with a solids content of less than two percent by weight as it enters the equipment (typical operations performed by this type of equipment include, but are not limited to, air stripping, aeration, digestion, thickening, flocculating, surface impounding, and dewatering), if the equipment does either of the following:</p> <p>i. Treats or handles influent which has one or both of the following: (1) A total concentration of VOCs and Group 2 TXS in the influent of 3,500 parts per billion by weight (ppbw) or more; or (2) A total Group 1 TXS concentration in the influent of 100 ppbw or more; or</p> <p>ii. Discharges more than 50 pounds per hour of sludge. For the purposes of this paragraph, wastewater with a solids content of two percent by weight or greater is considered sludge. [N.J.A.C. 7:27-8.2(c)15].</p>			
	<p>***DELETED BY DEP*** SRVSA may exhaust air from Belt Filter Presses 1, 2, and 3 to the 16 foot fluidized bed incinerator PT2 or to PT7. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP *** None.</p>	<p>***REVISED BY DEP*** None.</p>	<p>***REVISED BY DEP*** None.</p>

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	<p>***DELETED BY DEP*** Emissions of all air contaminants shall be below the respective reporting threshold of N.J.A.C. 7:27-22., Appendix. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP *** Other: VOC-HAPs: Monitored by Draeger tube (or similar) testing for formaldehyde, once annually . For all HAPs, emission rates will be calculated based on the current year's sludge analyses and monitored results. These compounds are formaldehyde, benzene, vinyl chloride, chloroform, carbon tetrachloride, 1,1,1 trichloroethane, methylene chloride, tetrachloroethylene, trichloroethylene, toluene, and xylenes.</p> <p>Based on the monitored and calculated results, the Department may decide on discontinuation of testing, continuation of testing, or any other action necessary.[N.J.A.C. 7:27-22.16(e)].</p>	<p>***REVISED BY DEP*** Recordkeeping by manual logging of parameter annually. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP*** Other (provide description): As per the approved schedule Submit emission report to the field office annually. [N.J.A.C. 7:27-22.16(e)]</p>
1	<p>*** REVISED BY DEP *** SRVSA may exhaust air from Belt Filter Presses 1, 2, and 3 to the incinerator building roof fan, PT7. [N.J.A.C. 7:27-22.16(a)]</p>	<p>***REVISED BY DEP *** None.</p>	<p>***REVISED BY DEP*** None.</p>	<p>***REVISED BY DEP*** None.</p>
2	<p>*** REVISED BY DEP *** Emissions of all air contaminants shall be below the respective reporting threshold of N.J.A.C. 7:27-22., Appendix. [N.J.A.C. 7:27-22.16(e)]</p>	<p>***REVISED BY DEP *** None.</p>	<p>***REVISED BY DEP*** None.</p>	<p>***REVISED BY DEP*** None.</p>

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U130 Sludge thickeners T1 and T2 and wet well

Subject Item: CD130 Thickener carbon adsorber unit

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	***ADDED BY DEP *** The permittee shall inspect and maintain the thickener carbon adsorber (CD130) on a schedule necessary to achieve the required control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Monitored by visual determination once every 2 weeks. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Recordkeeping by manual logging of parameter once every 2 weeks Record each inspection and maintenance event in a permanently bound log book or readily accessible computer based memory. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
2	*** REVISED BY DEP *** The activated carbon media shall be replaced when breakthrough occurs based on sense of smell. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Monitored by odor threshold monitoring daily A daily inspection of the unit must be conducted in order to determine odor breakthrough of the carbon unit by sense of smell. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** Recordkeeping by manual logging of parameter or storing data in a computer data system daily. The following records pertaining to the carbon adsorption unit shall be maintained: - Date of replacement or regeneration - Hours of operation per day - Determination of odor breakthrough [N.J.A.C. 7:27-22.16(a)]	***REVISED BY DEP*** None.
3	*** REVISED BY DEP *** Spent carbon shall be disposed of in a manner that minimizes the release of air contaminants to the atmosphere. This must be done in accordance with state and federal disposal regulations. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** Recordkeeping by invoices / bills of lading per change of material. [N.J.A.C. 7:27-22.16(e)].	***REVISED BY DEP*** None.
4	*** REVISED BY DEP *** Differential Pressure: A manometer shall be installed to detect blockages in the carbon bed. [N.J.A.C. 7:27-22.16(e)].	***REVISED BY DEP *** Differential Pressure: Monitored by pressure drop Instrument daily, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)].	***REVISED BY DEP*** Differential Pressure: Recordkeeping by manual logging of parameter daily in a permanently bound log book or readily accessible computer memory. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Repair equipment: Upon occurrence of event. [N.J.A.C. 7:27-22.16(e)].

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U130 Sludge thickeners T1 and T2 and wet well

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	***ADDED BY DEP *** Whenever the discharge from a stack or chimney includes sulfur compounds in the form of gases, vapors or liquid particles other than SO ₂ , SO ₃ , and H ₂ SO ₄ , the total quantity of sulfur in these sulfur compounds which is discharged in any 60-minute period shall not exceed the allowable emission as set forth in subsection (r) of this Section and the maximum rate of emission at any instant shall not exceed the allowable emission. [N.J.A.C. 7:27- 7]	***ADDED BY DEP *** Monitored by calculations once initially. [N.J.A.C. 7:27-7]	***ADDED BY DEP*** Other: Keep calculations on site.[N.J.A.C. 7:27-22.16(o)].	***ADDED BY DEP*** None.
2	*** REVISED BY DEP *** Sulfur Compounds other than SO ₂ , SO ₃ and H ₂ SO ₄ ≤ 0.3 lb/hr for hydrogen sulfide, maximum allowable per thickener in any 60-minute period, based on the calculation procedure at N.J.A.C. 7:27-7.2(r). [N.J.A.C. 7:27-7.2(i)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** None.	***REVISED BY DEP*** None.
3	***ADDED BY DEP *** The hourly emission rate of all contaminants from the two thickeners and the sludge wet well shall be below the reporting threshold of 0.05 lb/hr or for HAPs the annual emission rate presented in Table B of N.J.A.C.7:27-22, Appendix. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
4	***ADDED BY DEP *** With the exception of 720 hrs per year for periods of equipment or control device maintenance, all emissions from the operating scenarios in this emission unit must be vented through the thickener carbon adsorber CD130 [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT The owner or operator shall inspect and maintain the thickener carbon adsorber (CD130) on a schedule necessary to achieve the required control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Monitored by visual determination once every 2 weeks. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Recordkeeping by manual logging of parameter once every 2 weeks Record each inspection and maintenance event in a permanently bound log book or readily accessible computer based memory. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.
	DELETED BY DEP The activated carbon media shall be replaced when breakthrough occurs based on sense of smell. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** Other: A daily inspection of the unit must be conducted in order to determine odor breakthrough of the carbon unit by sense of smell.[N.J.A.C. 7:27-22.16(e)].	***REVISED BY DEP*** Recordkeeping by other recordkeeping method (provide description) upon occurrence of event. The following records pertaining to the carbon adsorption unit shall be maintained: - Date of replacement or regeneration - Hours of operation per day - Determination of odor breakthrough [N.J.A.C. 7:27-22.16(a)]	***REVISED BY DEP*** None.
	DELETED BY DEP Spent carbon shall be disposed of in a manner that minimizes the release of air contaminants to the atmosphere. This must be done in accordance with state and federal disposal regulations. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** Recordkeeping by invoices / bills of lading per change of material. [N.J.A.C. 7:27-22.16(e)].	***REVISED BY DEP*** None.
	DELETED BY DEP Differential Pressure: A manometer shall be installed to detect blockages in the carbon bed. [N.J.A.C. 7:27-22.16(e)].	***REVISED BY DEP *** Differential Pressure: Monitored by pressure drop Instrument daily, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(e)].	***REVISED BY DEP*** Differential Pressure: Recordkeeping by manual logging of parameter daily in a permanently bound log book or readily accessible computer memory. [N.J.A.C. 7:27-22.16(e)]	***REVISED BY DEP*** Repair equipment: Upon occurrence of event. [N.J.A.C. 7:27-22.16(e)].
	DELETED BY APPLICANT Hydrogen sulfide \leq 0.000064 lb/hr. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP *** Other: tested every 700 hours using a portable emission analyzer.[N.J.A.C. 7:27-22.16(e)].	***ADDED BY DEP*** Hydrogen sulfide: Recordkeeping by manual logging of parameter upon occurrence of event in a permanently bound log book or readily accessible computer memory. [N.J.A.C. 7:27-22.16(e)]	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U140 Building 600 Hot Water Heating Boiler

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	*** REVISED BY DEP *** No visible emissions except for a period no longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)] As submitted on application:The permittee shall not use the equipment in a manner which will cause visible emissions, exclusive of visible condensed water vapor, except for a period of more than 3 minutes in any consecutive 30 minute period. [N.J.A.C. 7:27- 3.2]	***REVISED BY DEP *** None. As submitted on application:Monitored by visual determination each month during operation, based on any consecutive 30-minute period. The permittee shall visually observe the stack once each month if the equipment is used for more than 2 continuous hours during the month. [N.J.A.C. 7:27- 8.13(d)]	***REVISED BY DEP*** None. As submitted on application:Recordkeeping by manual logging of parameter upon occurrence of event. The permittee shall record in either a permanent bound log book, or in readily accessible computer memories, that the stack was observed (date and time) and if operation of the equipment causes visible emissions (exclusive of condensed water vapor) for a period longer than 3 minutes in any consecutive 30 minute period. All records shall be maintained on-site for a minimum of 5 years. [N.J.A.C. 7:27- 8.13(d)3]	***REVISED BY DEP*** None. As submitted on application:Conduct an inspection: Upon occurrence of event. If visible emissions are observed, the permittee shall refer to the operator manual for corrective action. If measures fail to correct visible emissions within 24 hours of observation, the permittee shall report the incident in writing to the Regional Enforcement Office within 3 working days. [N.J.A.C. 7:27- 8.13(d)4]
	DELETED BY DEP Maximum Gross Heat Input <= 1.491 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** Other: Maintain record of manufacturer's specifications including maximum gross heat input rate.[N.J.A.C. 7:27-22.16(o)].	***REVISED BY DEP*** None.
	DELETED BY APPLICANT TSP <= 0.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
2	*** REVISED BY DEP *** NO _x (Total) <= 0.346 tons/yr. [N.J.A.C. 7:27-22(16)a]	***REVISED BY DEP *** NO _x (Total): Monitored by calculations annually, based on one calendar year based on the amount of natural gas fuel consumed. [N.J.A.C. 7:27-22.22(16)o]	***REVISED BY DEP*** Other: Maintain calculations.[N.J.A.C. 7:27-22.16(o)].	***REVISED BY DEP*** None.
3	*** REVISED BY DEP *** CO <= 0.269 tons/yr. [N.J.A.C. 7:27-22.16(a)]	***REVISED BY DEP *** CO: Monitored by calculations annually, based on one calendar year based on amount of natural gas fuel consumed. [N.J.A.C. 7:27-22.16(o)]	***REVISED BY DEP*** Other: Maintain calculations.[N.J.A.C. 7:27-22.16(o)].	***REVISED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
	DELETED BY APPLICANT No visible emissions except for a period of more than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and. [N.J.A.C. 7:27- 3.2(c)]	***REVISED BY DEP *** None. As submitted on application:Monitored by visual determination each month during operation, based on a 30 minute average. The permittee shall visually observe the stack once each month if the equipment is used for more than 2 continuous hours during the month. [N.J.A.C. 7:27- 8.13(d)]	***REVISED BY DEP*** None. As submitted on application:Recordkeeping by manual logging of parameter upon occurrence of event. The permittee shall record in either a permanent bound log book, or in readily accessible computer memories, that the stack was observed (date and time) and if operation of the equipment causes visible emissions (exclusive of condensed water vapor) for a period longer than 3 minutes in any consecutive 30 minute period. All records shall be maintained on-site for a minimum of 5 years. [N.J.A.C. 7:27- 8.13(d)3]	***REVISED BY DEP*** None. As submitted on application:Conduct an inspection: Upon occurrence of event. If visible emissions are observed, the permittee shall refer to the operator manual for corrective action. If measures fail to correct visible emissions within 24 hours of observation, the permittee shall report the incident in writing to the Regional Enforcement Office within 3 working days. [N.J.A.C. 7:27- 8.13(d)4]
4	***ADDED BY DEP *** Fuel is limited to natural gas. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
5	*** REVISED BY DEP *** Natural Gas Usage <= 6.403 MMft ³ /yr. [N.J.A.C. 7:27-22.16(a)] As submitted on application:Compliance with the annual emission limit for each air contaminant (NOx, VOC, CO, SO ₂ , TSP/PM-10) shall be based on operation of the boiler at a maximum of 8760 hours per year for the size registered. [N.J.A.C. 7:27- 8.13(a)]	***REVISED BY DEP *** Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously, based on one calendar year. [N.J.A.C. 7:27-22.16(o)] As submitted on application:Monitored by review of fuel delivery records once per bulk fuel shipment. For each fuel delivery, the permittee shall review delivery records from the oil distributor to verify delivery of No. 2 commercial fuel oil, diesel or kerosene. [N.J.A.C. 7:27- 8.13(d)]	***REVISED BY DEP*** Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually. [N.J.A.C. 7:27-22.16(o)] As submitted on application:Recordkeeping by manual logging of parameter each month during operation. The permittee shall maintain in a permanent bound log book the fuel oil delivery records verifying that No. 2 commercial fuel oil, diesel or kerosene are the only grades of fuel oil being burned by the boiler. All records shall be maintained on-site for a minimum of five 5 years. [N.J.A.C. 7:27- 8.13(d)3]	***REVISED BY DEP*** None. As submitted on application:Submit a report: Upon occurrence of event. The permittee shall report any non-compliance in writing within 3 working days after the event to the Regional Enforcement Office. [N.J.A.C. 7:27- 8.13(d)4]
6	***ADDED BY DEP *** Hours of Operation <= 4,380 hr/yr. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** Hours of Operation: Monitored by hour/time monitor continuously. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each week during operation. [N.J.A.C. 7:27-22.16(o)]	***ADDED BY DEP*** None.

**New Jersey Department of Environmental Protection
Facility Specific Requirements**

Emission Unit: U140 Building 600 Hot Water Heating Boiler

Operating Scenario: OS1 Run Building 600 Heating Boiler

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	***ADDED BY DEP *** NO _x (Total) <= 0.158 lb/hr. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
2	***ADDED BY DEP *** CO <= 0.123 lb/hr. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
3	***ADDED BY DEP *** TSP <= 0.05 lb/hr. [N.J.A.C. 7:27-22.16(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.
4	*** REVISED BY DEP *** Maximum Gross Heat Input <= 1.491 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(a)]	***REVISED BY DEP *** None.	***REVISED BY DEP*** Other: Maintain record of manufacturer's specifications including maximum gross heat input rate.[N.J.A.C. 7:27-22.16(o)].	***REVISED BY DEP*** None.
5	***ADDED BY DEP *** TSP <= 0.9 lb/hr. [N.J.A.C. 7:27- 4.2(a)]	***ADDED BY DEP *** None.	***ADDED BY DEP*** None.	***ADDED BY DEP*** None.

Compliance Schedule

Subject Item: U1 Sludge Proc OS 10

Violated Requirement

A subchapter 8 permit required for equipment which is used for treating groundwater, industrial wastewater, or municipal wastewater with a solids content of less than two percent by weight as it enters the equipment (typical operations performed by this type of equipment include, but are not limited to, air stripping, aeration, digestion, thickening, flocculating, surface impounding, and dewatering), if the equipment does either of the following:

i. Treats or handles influent which has one or both of the following:

(1) A total concentration of VOCs and Group 2 TXS in the influent of 3,500 parts per billion by weight (ppbw) or more; or

(2) A total Group 1 TXS concentration in the influent of 100 ppbw or more; or

ii. Discharges more than 50 pounds per hour of sludge. For the purposes of this paragraph, wastewater with a solids content of two percent by weight or greater is considered sludge. [N.J.A.C. 7:27-8.2(c)15].

000000 E1 (Incinerator)
Print Date: 11/12/2018

Make:

Manufacturer:

Model:

Unit Type:

Description:

Maximum Waste Processing Capacity:

Units:

Physical State of Waste being Incinerated:

Description:

Primary Chamber Maximum Gross Heat Input from Fuel (MMbtu/hr, HHV):

Primary Chamber Maximum Primary Air (acfm):

Primary Chamber Maximum Gas Flow Rate (acfm):

Primary Chamber Volume (ft³):

Primary Chamber Minimum Design Operation Temperature (°F):

Primary Chamber Minimum Gas Residence Time (sec):

Secondary Chamber Maximum Gross Heat Input from Fuel (MMBtu/hr, HHV):

Secondary Chamber Maximum Primary Air (acfm):

Secondary Chamber Maximum Gas Flow Rate (acfm):

Secondary Chamber Volume (ft³):

Secondary Chamber Minimum Design Operation Temperature (°F):

Secondary Chamber Minimum Gas Residence Time (sec):

Secondary Chamber Maximum Outlet Air Flow Rate (acfm):

Secondary Chamber Minimum Outlet Temperature (°F):

Type of Plume Suppression:

Do you have a bypass Stack? Yes No

Have you attached a diagram showing the location and/or the configuration of this equipment? Yes

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this Yes

000000 E1 (Incinerator)

Print Date: 11/12/2018

equipment?

Yes
 No

Dept. in its review of this application?

Yes
 No

Comments:

000000 E2 (Incinerator)
Print Date: 11/12/2018

Make:

Manufacturer:

Model:

Unit Type:

Description:

Maximum Waste Processing Capacity:

Units:

Physical State of Waste being Incinerated:

Description:

Primary Chamber Maximum Gross Heat Input from Fuel (MMbtu/hr, HHV):

Primary Chamber Maximum Primary Air (acfm):

Primary Chamber Maximum Gas Flow Rate (acfm):

Primary Chamber Volume (ft³):

Primary Chamber Minimum Design Operation Temperature (°F):

Primary Chamber Minimum Gas Residence Time (sec):

Secondary Chamber Maximum Gross Heat Input from Fuel (MMBtu/hr, HHV):

Secondary Chamber Maximum Primary Air (acfm):

Secondary Chamber Maximum Gas Flow Rate (acfm):

Secondary Chamber Volume (ft³):

Secondary Chamber Minimum Design Operation Temperature (°F):

Secondary Chamber Minimum Gas Residence Time (sec):

Secondary Chamber Maximum Outlet Air Flow Rate (acfm):

Secondary Chamber Minimum Outlet Temperature (°F):

Type of Plume Suppression:

Do you have a bypass Stack? Yes No

Have you attached a diagram showing the location and/or the configuration of this equipment? Yes

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this Yes

000000 E2 (Incinerator)

Print Date: 11/12/2018

equipment?

Yes
 No

Dept. in its review of this application?

Yes
 No

Comments:

000000 E3 (Fuel Combustion Equipment (Other))
Print Date: 11/12/2018

Make:	NA
Manufacturer:	North American Manufacturing Co.
Model:	NAMC 6422-6X-z burner
Equipment Type Description:	Stack reheat chamber with burner
Maximum Rated Gross Heat Input (MMBtu/hr):	1.35
Type of Heat Exchange:	direct
Have you attached a diagram showing the location and/or configuration of this equipment?	yes
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	no
Comments:	Reheat chamber

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.

000000 E4 (Storage Vessel)
Print Date: 11/12/2018

What type of contents is this storage vessel equipped to contain by design?

Both Solids and Liquids

Storage Vessel Type:

Reservoir

Design Capacity:

400,000

Units:

gallons

Ground Location:

Below Ground

Is the Shell of the Equipment Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

48.00

Other Dimension

Description:

height

Value:

32.00

Units:

ft side depth

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

200.00

Units:

gal/min

Does the storage vessel have a roof or an open top?

Roof

Roof Type:

Domed vertical fixed roof tank

Roof Height (From Roof Bottom to Roof Top) (ft):

8.00

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel have a Vapor Return Loop?

000000 E4 (Storage Vessel)
Print Date: 11/12/2018

Does the storage vessel
have a Conservation Vent?

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

Comments:

000000 E5 (Storage Vessel)
Print Date: 11/12/2018

What type of contents is this storage vessel equipped to contain by design?

Both Solids and Liquids

Storage Vessel Type:

Reservoir

Design Capacity:

14,000

Units:

gallons

Ground Location:

Below Ground

Is the Shell of the Equipment Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Rectangular

Shell Height (From Ground to Roof Bottom) (ft):

Length (ft):

12.00

Width (ft):

24.00

Diameter (ft):

Other Dimension

Description:

height

Value:

9.00

Units:

ft

Fill Method:

Top Pipe

Description (if other):

Maximum Design Fill Rate:

200.00

Units:

gal/min

Does the storage vessel have a roof or an open top?

Roof

Roof Type:

Horizontal fixed roof tank

Roof Height (From Roof Bottom to Roof Top) (ft):

1.00

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel have a Vapor Return Loop?

000000 E5 (Storage Vessel)
Print Date: 11/12/2018

Does the storage vessel
have a Conservation Vent?

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

Comments:

Make:	Roller Filter Press
Manufacturer:	Ashbrook-Simon-Hartley
Model:	2.2 Meter KLAM Press Size 3
Equipment Type:	Belt filter press
Capacity:	130
Units:	gpm wet sludge feed to press
Have you attached a diagram showing the location and/or configuration of this equipment?	yes
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	no
Comments:	Belt filter press #1

Make:	Roller Filter Press
Manufacturer:	Ashbrook-Simon-Hartley
Model:	2.2 Meter KLAM Press Size 3
Equipment Type:	Belt filter press
Capacity:	130
Units:	gpm wet sludge feed to press
Have you attached a diagram showing the location and/or configuration of this equipment?	yes
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	no
Comments:	Belt filter press #2

Make:	Roller Filter Press
Manufacturer:	Ashbrook-Simon-Hartley
Model:	top belt 2.2 Meters wide x 15.7 meters in length
Equipment Type:	Belt filter press
Capacity:	130
Units:	gpm wet sludge feed to press
Have you attached a diagram showing the location and/or configuration of this equipment?	yes
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	no
Comments:	Belt filter press #3

000000 E130 (Storage Vessel)
Print Date: 11/12/2018

What type of contents is this storage vessel equipped to contain by design?

Both Solids and Liquids

Storage Vessel Type:

Reservoir

Design Capacity:

3,300

Units:

ft^3

Ground Location:

Above Ground

Is the Shell of the Equipment Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

20.00

Other Dimension

Description:

side wall height

Value:

10.00

Units:

ft

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

226.00

Units:

gal/min

Does the storage vessel have a roof or an open top?

Roof

Roof Type:

Domed vertical fixed roof tank

Roof Height (From Roof Bottom to Roof Top) (ft):

10.00

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel have a Vapor Return Loop?

000000 E130 (Storage Vessel)
Print Date: 11/12/2018

Does the storage vessel
have a Conservation Vent?

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

Comments:

000000 E131 (Storage Vessel)
Print Date: 11/12/2018

What type of contents is this storage vessel equipped to contain by design?

Both Solids and Liquids

Storage Vessel Type:

Reservoir

Design Capacity:

7,800

Units:

ft^3

Ground Location:

Above Ground

Is the Shell of the Equipment Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft²)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

30.00

Other Dimension

Description:

side wall height

Value:

10.00

Units:

ft

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

226.00

Units:

gal/min

Does the storage vessel have a roof or an open top?

Roof

Roof Type:

Domed vertical fixed roof tank

Roof Height (From Roof Bottom to Roof Top) (ft):

10.00

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel have a Vapor Return Loop?

000000 E131 (Storage Vessel)
Print Date: 11/12/2018

Does the storage vessel
have a Conservation Vent?

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

Comments:

000000 E132 (Storage Vessel)
Print Date: 11/12/2018

What type of contents is this storage vessel equipped to contain by design?

Both Solids and Liquids

Storage Vessel Type:

Reservoir

Design Capacity:

560

Units:

ft^3

Ground Location:

Below Ground

Is the Shell of the Equipment Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:

Shape of Storage Vessel:

Rectangular

Shell Height (From Ground to Roof Bottom) (ft):

Length (ft):

5.00

Width (ft):

12.00

Diameter (ft):

Other Dimension

Description:

depth

Value:

9.33

Units:

ft

Fill Method:

Submerged

Description (if other):

Maximum Design Fill Rate:

226.00

Units:

gal/min

Does the storage vessel have a roof or an open top?

Roof

Roof Type:

Vertical fixed roof tank

Roof Height (From Roof Bottom to Roof Top) (ft):

0.50

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel have a Vapor Return Loop?

000000 E132 (Storage Vessel)
Print Date: 11/12/2018

Does the storage vessel
have a Conservation Vent?

Have you attached a diagram
showing the location and/or the
configuration of this equipment?

Have you attached any manuf.'s
data or specifications to aid the
Dept. in its review of this
application?

Comments:

000000 E140 (Boiler)
Print Date: 11/12/2018

Make:	<input type="text" value="NA"/>
Manufacturer:	<input type="text" value="Smith Cast Iron Boiler"/>
Model:	<input type="text" value="28A-5 Power Flame J50A - 15HBS - 5 Burner"/>
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	<input type="text" value="1.49"/>
Boiler Type:	<input type="text" value="Water Tube"/>
Utility Type:	<input type="text" value="Utility"/>
Output Type:	<input type="text" value="Water Only"/>
Steam Output (lb/hr):	<input type="text"/>
Fuel Firing Method:	<input type="text"/>
Description (if other):	<input type="text"/>
Draft Type:	<input type="text"/>
Heat Exchange Type:	<input type="text" value="Indirect"/>

Is the boiler using? (check all that apply):

Low NOx Burner: Type:

Staged Air Combustion:

Flue Gas Recirculation (FGR): Amount (%):

Have you attached a diagram showing the location and/or the configuration of this equipment?

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

Comments:

000000 CD1 (Scrubber (Multi-Stage))
Print Date: 11/12/2018

Make:

Manufacturer:

Model:

Number of Stages:

Is the Scrubber Used for Particulate Control?

 Yes No

Is the Scrubber Used for Gas Control?

 Yes No

Is the Scrubber Equipped with a
Mist Eliminator?

 Yes No

Minimum Pump Discharge Pressure (in. H2O):

Maximum Pump Discharge Pressure (in. H2O):

Method of Monitoring Pump Discharge
Pressure:

Minimum Pump Current (amps):

Maximum Pump Current (amps):

Method of Monitoring Pump Current:

Minimum Scrubber Medium Inlet Pressure
(in. H2O):

Minimum Operating Liquid Flow Rate (gpm):

Maximum Operating Liquid Flow Rate (gpm):

Method of Monitoring Liquid Flow Rate:

Minimum Operating Gas Flow Rate (acfm):

Maximum Operating Gas Flow Rate (acfm):

Method of Monitoring Gas Flow Rate:

Minimum Operating Pressure Drop (in. H2O):

Maximum Operating Pressure Drop (in. H2O):

Method of Monitoring Pressure Drop:

Relative Direction of the Gas-Liquid Flow:

Description:

Maximum Inlet Gas Temperature (°F):

Maximum Outlet Gas Temperature (°F):

Inlet Particle Grain Loading (gr/dscf):

Maximum Number of Sources Using
this Apparatus as a Control Device
(Include Permitted and Non-Permitted
Sources):

Alternative Method to Demonstrate
Control Apparatus is Operating
Properly:

Have you attached data from recent
performance testing?

 Yes No

Have you attached any manufacturer's
data or specifications in support of the
feasibility and/or effectiveness of this
control apparatus?

 Yes No

Have you attached a diagram showing
the location and/or configuration of this
control apparatus?

 Yes No

000000 CD1 (Scrubber (Multi-Stage))
Print Date: 11/12/2018

Comments:

000000 CD2 (Scrubber (Multi-Stage))
Print Date: 11/12/2018

Make:

Manufacturer:

Model:

Number of Stages:

Is the Scrubber Used for Particulate Control? Yes No

Is the Scrubber Used for Gas Control? Yes No

Is the Scrubber Equipped with a Mist Eliminator? Yes No

Minimum Pump Discharge Pressure (in. H2O):

Maximum Pump Discharge Pressure (in. H2O):

Method of Monitoring Pump Discharge Pressure:

Minimum Pump Current (amps):

Maximum Pump Current (amps):

Method of Monitoring Pump Current:

Minimum Scrubber Medium Inlet Pressure (in. H2O):

Minimum Operating Liquid Flow Rate (gpm):

Maximum Operating Liquid Flow Rate (gpm):

Method of Monitoring Liquid Flow Rate:

Minimum Operating Gas Flow Rate (acfm):

Maximum Operating Gas Flow Rate (acfm):

Method of Monitoring Gas Flow Rate:

Minimum Operating Pressure Drop (in. H2O):

Maximum Operating Pressure Drop (in. H2O):

Method of Monitoring Pressure Drop:

Relative Direction of the Gas-Liquid Flow:

Description:

Maximum Inlet Gas Temperature (°F):

Maximum Outlet Gas Temperature (°F):

Inlet Particle Grain Loading (gr/dscf):

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached data from recent performance testing? Yes No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? Yes No

Have you attached a diagram showing the location and/or configuration of this control apparatus? Yes No

000000 CD2 (Scrubber (Multi-Stage))
Print Date: 11/12/2018

Comments:

000000 CD3 (Electrostatic Precipitator)
Print Date: 11/12/2018

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Unit Type:	<input type="text"/>
Description:	<input type="text"/>
Number of Stages:	<input type="text"/>
Method of Operation:	<input type="text"/>
Method of Cleaning:	<input type="text"/>
Description:	<input type="text"/>
Capacity (acfm):	<input type="text"/>
Maximum Gas Velocity (ft/sec):	<input type="text"/>
Type of Rectifier:	<input type="text"/>
Maximum Inlet Gas Stream Moisture (%):	<input type="text"/>
Maximum Inlet Gas Stream Temperature (°F):	<input type="text"/>
Number of Plates:	<input type="text"/>
Number of Fields:	<input type="text"/>
Aspect Ratio:	<input type="text"/>
Plate Surface Area (ft²):	<input type="text"/>
Spacing Between Plates (in):	<input type="text"/>
Cross Sectional Area of Precipitator (ft²):	<input type="text"/>
Treatment Time (sec.):	<input type="text"/>
Maximum Corona Power (Volt):	<input type="text"/>
Minimum Apparent Migration Velocity (ft/min):	<input type="text"/>
Maximum Particle Resistivity (ohm-cm):	<input type="text"/>
Average Particle Size (Micrometers):	<input type="text"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	<input type="text"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text"/>

Have you attached data from recent performance testing? Yes No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? Yes No

Have you attached a diagram showing the location and/or configuration of this control apparatus? Yes No

Comments:

00000 CD3 (Electrostatic Precipitator)
Print Date: 11/12/2018

000000 CD4 (Adsorber)
Print Date: 11/12/2018

Make:	NA
Manufacturer:	Cocarb
Model:	NA
Adsorber Type:	Granular activated carbon
Description:	Headworks building carbon adsorber
Maximum Gas Flow Rate to Adsorber (acfm):	6540
Maximum Temperature of Vapor Stream to Adsorber (deg F):	100
Minimum Temperature of Vapor Stream to Adsorber (deg F):	40
Minimum Moisture Content of Vapor Stream to Adsorber (%):	0.4
Type of Adsorbant:	Granular activated carbon
Bed Height:	3
Bed Length:	NA
Bed Width:	NA
Units:	NA
Other Bed Dimension:	diameter
Value:	6
Units:	ft
Minimum Pressure Drop Across Adsorber (In H2O):	1.5 to 2
Maximum Pressure Drop Across Adsorber (In H2O):	5.7
Total Weight of Adsorbant (lbs):	11900
Total Weight of Adsorbant When Saturated (lbs):	14518
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	0.3
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	0.2
Set-up Type:	NA

Method of Determining Breakthrough:

Continuous Emissions Monitor (CEM)

Replacement By Weight

Periodic Testing

Sampling Frequency

Sampling Device

Other

Description:

Minimum Concentration at Breakthrough (ppmvd):

Handling Method of Saturated Adsorbant:

Method of Regeneration:

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached data from recent performance testing?

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

Have you attached a diagram showing the location and/or configuration of this control apparatus?

Comments:

000000 CD130 (Adsorber)
Print Date: 11/12/2018

Make:	NA
Manufacturer:	Cocarb
Model:	NA
Adsorber Type:	Granular activated carbon
Description:	Thickeners carbon adsorber
Maximum Gas Flow Rate to Adsorber (acfm):	1500
Maximum Temperature of Vapor Stream to Adsorber (deg F):	100
Minimum Temperature of Vapor Stream to Adsorber (deg F):	40
Minimum Moisture Content of Vapor Stream to Adsorber (%):	0.4
Type of Adsorbant:	Granular activated carbon
Bed Height:	3
Bed Length:	NA
Bed Width:	NA
Units:	ft
Other Bed Dimension:	diameter
Value:	6
Units:	ft
Minimum Pressure Drop Across Adsorber (In H2O):	NA
Maximum Pressure Drop Across Adsorber (In H2O):	8.3
Total Weight of Adsorbant (lbs):	2550
Total Weight of Adsorbant When Saturated (lbs):	2626
Maximum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	NA
Minimum Adsorbant Capacity (lbs Adsorbate/lbs Adsorbant):	0.03
Set-up Type:	na

Method of Determining Breakthrough:

Continuous Emissions Monitor (CEM)

Replacement By Weight

Periodic Testing

Sampling Frequency

Sampling Device

Other

Description:

Minimum Concentration at Breakthrough (ppmvd):

Handling Method of Saturated Adsorbant:

Method of Regeneration:

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached data from recent performance testing?

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

Have you attached a diagram showing the location and/or configuration of this control apparatus?

Comments:

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY BOP000000 U1 OS6 (Storage Vessel Content)

Print Date: 11/12/2018

Content Name:	Other (Total) ▼
CAS Number:	
Is the Content Under Pressure?	▼
Pressure (PSIG):	
Physical State:	Liquid ▼
Estimated Average Working Volume:	400,000
Units:	gallons ▼
Density of Contents:	8.400
Units:	lb/gal ▼
Estimated Minimum Storage Temperature (deg F):	50.000
Estimated Maximum Storage Temperature (deg F):	77.000
Estimated Average Storage Temperature (deg F):	62.000
Does the Content Contain VOCs?:	No ▼
Organic Density:	
Units:	▼
Molecular Weight (Lbs/Lbs-Mole):	
Vapor Pressure at Average Storage Temperature (PSIA):	
Vapor Pressure at 70 deg F (mmHg):	
Estimated Average Annual Throughput:	1,500,000.0000
Units:	gallons ▼
Estimated Maximum Annual Throughput:	8,400,000.0000
Units:	gallons ▼

Scrubbing Medium Table					
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Liquid Recirculation Method:	Once through	Once through			
Liquid Being Used for Absorption:	water	water			
Chemical Additive in Scrubbing Medium:	none	caustic			
Minimum Concentration of Chemical Additive (%):	NA	NA			
Maximum Concentration of Chemical Additive (%):	NA	NA			
How is the Activity of the Scrubbing Medium Maintained?	NA	SO2 CEMs			
Maximum pH:	na	na			
Minimum pH:	na	na			
Maximum Oxidation Reduction Potential (mV):	na	na			
Minimum Oxidation Reduction Potential (mV):	na	na			

Scrubbing Medium Table					
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Liquid Recirculation Method:	Once through	Once through			
Liquid Being Used for Absorption:	water	water			
Chemical Additive in Scrubbing Medium:	none	caustic			
Minimum Concentration of Chemical Additive (%):	NA	NA			
Maximum Concentration of Chemical Additive (%):	NA	NA			
How is the Activity of the Scrubbing Medium Maintained?	NA	SO2 CEMs			
Maximum pH:	na	na			
Minimum pH:	na	na			
Maximum Oxidation Reduction Potential (mV):	na	na			
Minimum Oxidation Reduction Potential (mV):	na	na			

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY BOP00000 U1 OS7 (Storage Vessel Content)
Print Date: 11/12/2018

Content Name:	Other (Total)
CAS Number:	
Is the Content Under Pressure?	
Pressure (PSIG):	
Physical State:	Liquid
Estimated Average Working Volume:	14,000
Units:	gallons
Density of Contents:	8.400
Units:	lb/gal
Estimated Minimum Storage Temperature (deg F):	50.000
Estimated Maximum Storage Temperature (deg F):	77.000
Estimated Average Storage Temperature (deg F):	62.000
Does the Content Contain VOCs?:	No
Organic Density:	
Units:	
Molecular Weight (Lbs/Lbs-Mole):	
Vapor Pressure at Average Storage Temperature (PSIA):	
Vapor Pressure at 70 deg F (mmHg):	
Estimated Average Annual Throughput:	1,500,000.0000
Units:	gallons
Estimated Maximum Annual Throughput:	8,400,000.0000
Units:	gallons

Scrubbing Medium Table					
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Liquid Recirculation Method:	Once through	Once through			
Liquid Being Used for Absorption:	water	water			
Chemical Additive in Scrubbing Medium:	none	caustic			
Minimum Concentration of Chemical Additive (%):	NA	NA			
Maximum Concentration of Chemical Additive (%):	NA	NA			
How is the Activity of the Scrubbing Medium Maintained?	NA	SO2 CEMs			
Maximum pH:	na	na			
Minimum pH:	na	na			
Maximum Oxidation Reduction Potential (mV):	na	na			
Minimum Oxidation Reduction Potential (mV):	na	na			

Scrubbing Medium Table					
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Liquid Recirculation Method:	Once through	Once through			
Liquid Being Used for Absorption:	water	water			
Chemical Additive in Scrubbing Medium:	none	caustic			
Minimum Concentration of Chemical Additive (%):	NA	NA			
Maximum Concentration of Chemical Additive (%):	NA	NA			
How is the Activity of the Scrubbing Medium Maintained?	NA	SO2 CEMs			
Maximum pH:	na	na			
Minimum pH:	na	na			
Maximum Oxidation Reduction Potential (mV):	na	na			
Minimum Oxidation Reduction Potential (mV):	na	na			

Volume of Gas Discharged
from this Source (acfm):

1161

Scrubbing Medium Table					
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Liquid Recirculation Method:	Once through	Once through			
Liquid Being Used for Absorption:	water	water			
Chemical Additive in Scrubbing Medium:	none	caustic			
Minimum Concentration of Chemical Additive (%):	NA	NA			
Maximum Concentration of Chemical Additive (%):	NA	NA			
How is the Activity of the Scrubbing Medium Maintained?	NA	SO2 CEMs			
Maximum pH:	na	na			
Minimum pH:	na	na			
Maximum Oxidation Reduction Potential (mV):	na	na			
Minimum Oxidation Reduction Potential (mV):	na	na			

Volume of Gas Discharged
from this Source (acfm):

1161

Scrubbing Medium Table					
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Liquid Recirculation Method:	Once through	Once through			
Liquid Being Used for Absorption:	water	water			
Chemical Additive in Scrubbing Medium:	none	caustic			
Minimum Concentration of Chemical Additive (%):	NA	NA			
Maximum Concentration of Chemical Additive (%):	NA	NA			
How is the Activity of the Scrubbing Medium Maintained?	NA	SO2 CEMs			
Maximum pH:	na	na			
Minimum pH:	na	na			
Maximum Oxidation Reduction Potential (mV):	na	na			
Minimum Oxidation Reduction Potential (mV):	na	na			

Volume of Gas Discharged
from this Source (acfm):

1161

Scrubbing Medium Table					
	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
Liquid Recirculation Method:	Once through	Once through			
Liquid Being Used for Absorption:	water	water			
Chemical Additive in Scrubbing Medium:	none	caustic			
Minimum Concentration of Chemical Additive (%):	NA	NA			
Maximum Concentration of Chemical Additive (%):	NA	NA			
How is the Activity of the Scrubbing Medium Maintained?	NA	SO2 CEMs			
Maximum pH:	na	na			
Minimum pH:	na	na			
Maximum Oxidation Reduction Potential (mV):	na	na			
Minimum Oxidation Reduction Potential (mV):	na	na			

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY BOP000000 U130 OS130 (Storage Vessel Content)

Print Date: 11/12/2018

Content Name:	Other (Total) ▼
CAS Number:	
Is the Content Under Pressure?	▼
Pressure (PSIG):	
Physical State:	Liquid ▼
Estimated Average Working Volume:	3,142
Units:	ft^3 ▼
Density of Contents:	8.400
Units:	lb/gal ▼
Estimated Minimum Storage Temperature (deg F):	50.000
Estimated Maximum Storage Temperature (deg F):	77.000
Estimated Average Storage Temperature (deg F):	62.000
Does the Content Contain VOCs?:	No ▼
Organic Density:	
Units:	▼
Molecular Weight (Lbs/Lbs-Mole):	
Vapor Pressure at Average Storage Temperature (PSIA):	
Vapor Pressure at 70 deg F (mmHg):	
Estimated Average Annual Throughput:	349,000.0000
Units:	ft^3 ▼
Estimated Maximum Annual Throughput:	349,000.0000
Units:	ft^3 ▼

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY BOP000000 U130 OS131 (Storage Vessel Content)

Print Date: 11/12/2018

Content Name:	Other (Total)
CAS Number:	
Is the Content Under Pressure?	
Pressure (PSIG):	
Physical State:	Liquid
Estimated Average Working Volume:	7,069
Units:	ft^3
Density of Contents:	8.400
Units:	lb/gal
Estimated Minimum Storage Temperature (deg F):	50.000
Estimated Maximum Storage Temperature (deg F):	77.000
Estimated Average Storage Temperature (deg F):	62.000
Does the Content Contain VOCs?:	No
Organic Density:	
Units:	
Molecular Weight (Lbs/Lbs-Mole):	
Vapor Pressure at Average Storage Temperature (PSIA):	
Vapor Pressure at 70 deg F (mmHg):	
Estimated Average Annual Throughput:	784,000.0000
Units:	ft^3
Estimated Maximum Annual Throughput:	784,000.0000
Units:	ft^3

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY BOP000000 U130 OS132 (Storage Vessel Content)

Print Date: 11/12/2018

Content Name:	Other (Total)
CAS Number:	
Is the Content Under Pressure?	
Pressure (PSIG):	
Physical State:	Liquid
Estimated Average Working Volume:	
Units:	gallons
Density of Contents:	8.400
Units:	lb/gal
Estimated Minimum Storage Temperature (deg F):	50.000
Estimated Maximum Storage Temperature (deg F):	77.000
Estimated Average Storage Temperature (deg F):	62.000
Does the Content Contain VOCs?:	No
Organic Density:	
Units:	
Molecular Weight (Lbs/Lbs-Mole):	
Vapor Pressure at Average Storage Temperature (PSIA):	
Vapor Pressure at 70 deg F (mmHg):	
Estimated Average Annual Throughput:	180,000.0000
Units:	ft^3
Estimated Maximum Annual Throughput:	180,000.0000
Units:	ft^3

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY BOP000000 U130 OS133 (Storage Vessel Content)

Print Date: 11/12/2018

Content Name:	Other (Total) ▼
CAS Number:	
Is the Content Under Pressure?	▼
Pressure (PSIG):	
Physical State:	Liquid ▼
Estimated Average Working Volume:	3,142
Units:	ft^3 ▼
Density of Contents:	8.400
Units:	lb/gal ▼
Estimated Minimum Storage Temperature (deg F):	50.000
Estimated Maximum Storage Temperature (deg F):	77.000
Estimated Average Storage Temperature (deg F):	62.000
Does the Content Contain VOCs?:	No ▼
Organic Density:	
Units:	▼
Molecular Weight (Lbs/Lbs-Mole):	
Vapor Pressure at Average Storage Temperature (PSIA):	
Vapor Pressure at 70 deg F (mmHg):	
Estimated Average Annual Throughput:	349,000.0000
Units:	ft^3 ▼
Estimated Maximum Annual Throughput:	349,000.0000
Units:	ft^3 ▼

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY BOP000000 U130 OS134 (Storage Vessel Content)

Print Date: 11/12/2018

Content Name:	Other (Total) ▼
CAS Number:	
Is the Content Under Pressure?	▼
Pressure (PSIG):	
Physical State:	Liquid ▼
Estimated Average Working Volume:	7,069
Units:	ft ³ ▼
Density of Contents:	8.400
Units:	lb/gal ▼
Estimated Minimum Storage Temperature (deg F):	50.000
Estimated Maximum Storage Temperature (deg F):	77.000
Estimated Average Storage Temperature (deg F):	62.000
Does the Content Contain VOCs?:	No ▼
Organic Density:	
Units:	▼
Molecular Weight (Lbs/Lbs-Mole):	
Vapor Pressure at Average Storage Temperature (PSIA):	
Vapor Pressure at 70 deg F (mmHg):	
Estimated Average Annual Throughput:	784,000.0000
Units:	ft ³ ▼
Estimated Maximum Annual Throughput:	784,000.0000
Units:	ft ³ ▼

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY BOP000000 U130 OS135 (Storage Vessel Content)

Print Date: 11/12/2018

Content Name:	Other (Total)
CAS Number:	
Is the Content Under Pressure?	
Pressure (PSIG):	
Physical State:	Liquid
Estimated Average Working Volume:	
Units:	gallons
Density of Contents:	8.400
Units:	lb/gal
Estimated Minimum Storage Temperature (deg F):	50.000
Estimated Maximum Storage Temperature (deg F):	77.000
Estimated Average Storage Temperature (deg F):	62.000
Does the Content Contain VOCs?:	No
Organic Density:	
Units:	
Molecular Weight (Lbs/Lbs-Mole):	
Vapor Pressure at Average Storage Temperature (PSIA):	
Vapor Pressure at 70 deg F (mmHg):	
Estimated Average Annual Throughput:	180,000.0000
Units:	ft^3
Estimated Maximum Annual Throughput:	180,000.0000
Units:	ft^3