New Jersey Department of Environmental Protection
Facility Profile (General)

Facility Name (AIMS): SOMERSET RARITAN VALLEY SEWERA(**Facility ID (AIMS):** 35857

Street Address: 50 POLHEMUS LN
BRIDGEWATER, NJ 08807

Mailing Address: 50 POLHEMUS LN
BRIDGEWATER, NJ 08807

State Plane Coordinates:

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

County: Somerset

Location Description: Treats and disposes of wastewater and customer septage and liquid sludge.

Industry:

Primary SIC:	4952
Secondary SIC:	
NAICS:	221320

New Jersey Department of Environmental Protection
Facility Profile (General)

Contact Type: Compliance Officer

Organization: Somerset Raritan Valley Sewerage Authority
Org. Type: Public
Name: Eleanor Hoffman, P.E.
NJ EIN: 44002100000
Title: Compliance Engineer
Phone: (732) 469-0593 x0225
Fax: (732) 469-4179 x
Other: ( ) - x
Type:
Email: Ellie.Hoffman@SRVSA.org
Mailing Address: 50 Polhemus Lane
Bridgewater, NJ 08807

Contact Type: Consultant

Organization: ALL4 LLC
Org. Type: LLC
Name: Christine Chinofsky
NJ EIN: 00000000000
Title: Managing Consultant
Phone: (610) 933-5246 x
Fax: ( ) - x
Other: ( ) - x
Type:
Email: CChinofsky@all4inc.com
Mailing Address: 2393 Kimberton Road
Kimberton, PA 19442

Contact Type: Emission Statements

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
Fax: (732) 469-4179 x
Other: ( ) - x
Type:
Email: Ronald.Anastasio@SRVSA.org
Mailing Address: 50 Polhemus Lane
Bridgewater, NJ 08807

New Jersey Department of Environmental Protection
Facility Profile (General)

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
Fax: (732) 469-4179 x
Other: ( ) - x
Type:
Email: Ronald.Anastasio@SRVSA.org
Mailing Address: 50 Polhemus Lane
Bridgewater, NJ 08807

Contact Type: Owner (Current Primary)

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
Fax: (732) 469-4179 x
Other: ( ) - x
Type:
Email: Ronald.Anastasio@SRVSA.org
Mailing Address: 50 Polhemus Lane
Bridgewater, NJ 08807

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
Fax: (732) 469-4179 x
Other: ( ) - x
Type:
Email: Ronald.Anastasio@SRVSA.org
Mailing Address: 50 Polhemus Lane
Bridgewater, NJ 08807

New Jersey Department of Environmental Protection
Facility Profile Planning

Emission Year: 2022

Facility Type: Major

How many employees are employed at this facility? 38

Estimated changes in total facility emissions (for planning purposes)

By the year 2025

Contaminant	Change (%)	Increase/Decrease?
VOC	0.00	Increase
NOx	0.00	Increase
CO	0.00	Increase

By the year 2028

Contaminant	Change (%)	Increase/Decrease?
VOC	0.00	Increase
NOx	0.00	Increase
CO	0.00	Increase

SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY (35857) Date: 06/30/2023

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	Non-source fugitive emissions	N/A	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
Total			0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000

SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY (35857)

Date:6/30/2023

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.	0.000	0.010	0.003	0.000	0.001	0.001	0.000	0.00003592	
IS101	Heaters firing propane less than 1,000,000 BTU/hr heat input	Fuel Combustion Equipment (Other)	Maintenance shop; warehouse; Admin	0.001	0.015	0.009	0.000	0.000	0.001	0.000	0.00000846	
IS102	Distillate oil tanks not exceeding 10,000 gal capacity including a 275 gal waste oil tank.	Storage Vessel	Incineration; Admin	0.000	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.	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.00087452	
IS120	Sludge cake storage bin not exceeding 2,000 cubic ft. capacity	Storage Vessel	NE corner of Incin. Bldg.	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	
IS130	Laboratory	Other Equipment	Laboratory	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	
IS140	Natural gas fired heaters less than 1 MMBtu/hr heat input	Fuel Combustion Equipment (Other)	Plant	0.008	0.130	0.055	0.001	0.003	0.011	0.000	0.00011533	
IS200	Wastewater treatment plant sources @ < 100 ppb TXS, and <3,500 ppb of total VOC	Storage Vessel	Plant	0.668	0.000	0.000	0.000	0.000	0.000	0.000	0.33169962	
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				0.735	0.152	0.065	0.003	0.003	0.012	0.000	0.21383730	0.000

SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY (35857) Date: 6/30/2023

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	4/23/2018	
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	
E150	R2 FO Tank	12,000 Gallon AST for No. 2 Fuel Oil	Storage Vessel		6/21/2021	No	6/21/2021	

SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY (35857) Date: 6/30/2023

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	
CD5	UHF	Ultra high efficiency filter	Particulate Filter (Other)	8/1/2018	No		
CD6	HEPA	HEPA filter	Particulate Filter (HEPA)	8/1/2018	No		
CD7	MCS	Incinerator #2 carbon adsorber	Adsorber	8/1/2018	No		
CD130	Thk CA	Thickener carbon adsorber unit	Adsorber		No	8/31/1986	

SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY (35857)

Date: 6/30/2023

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	34	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	12	16	218	70.0	40.0	100.0	4.0	1.0		Horizontal	
PT132	T2 vent	Sludge thickener T2 vent	Round	12	21	228	70.0	40.0	100.0	4.0	1.0	9.0	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	
PT150	R2 FO Tank	12,000 Gallon AST for No. 2 Fuel Oil	Round	4	9	93	70.0	40.0	90.0	0.0	0.0	14.0	Down	

SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY (35857)

Date: 6/30/2023

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

U 1 Incinerator R2 fluidized bed incinerator #2, 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 Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS2	Inc 2->Stk2	Incinerator #2, 16ft	Normal - Steady State	E2	CD2 (P) CD3 (S) CD5 (T) CD6 (T) CD7 (T)	PT2	5-01-001-03	0.0	8,760.0	A	5,000.0	10,400.0	340.0	450.0
OS3	SBT	Sludge blend tank	Normal - Steady State	E4	CD1 (S) CD2 (S) CD4 (S)	PT2 PT3 PT5	5-01-007-69	0.0	8,760.0	A	1.0	10,400.0	40.0	450.0
OS4	Sept	Septage receiving station	Normal - Steady State	E5	CD1 (S) CD2 (S) CD4 (S)	PT2 PT3 PT6	5-01-007-99	0.0	8,760.0	A	1.0	10,400.0	40.0	450.0
OS5	BFP1	Belt filter press #1	Normal - Steady State	E6	CD2 (S)	PT2 PT7	5-01-007-91	0.0	8,760.0	A	5,000.0	10,705.0	50.0	450.0
OS6	BFP2	Belt filter press #2	Normal - Steady State	E7	CD2 (S)	PT2 PT7	5-01-007-91	0.0	8,760.0	A	5,000.0	10,705.0	50.0	450.0
OS7	BFP3	Belt filter press #3	Normal - Steady State	E8	CD2 (S)	PT2 PT7	5-01-007-91	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 Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) 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	1.0	9.0	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	1.0	9.0	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	1.0	4.0	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 Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) 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

SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY (35857)

Date: 6/30/2023

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

U 150 R2 FO Tank 12,000 Gallon AST for No. 2 Fuel Oil

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours Min.	Annual Oper. Hours Max.	VOC Range	Flow (acfm) Min.	Flow (acfm) Max.	Temp. (deg F) Min.	Temp. (deg F) Max.
OS1	R2 FO Tank	12,000 Gallon AST for No. 2 Fuel Oil	Normal - Steady State	E150		PT150	4-03-010-21	8,760.0	8,760.0	A	0.0	1.0	40.0	90.0

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FC**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**	BOP190001
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**	
Source Process Data Is Considered Confidential	☐	Q1: 25.00 Q2: 25.00 Q3: 25.00 Q4: 25.00	
Source Did Not Operate	☐		
NJDEP Default Emission Calculations	☐		

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FC**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	**CAS Number**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**		**Value**	**Units**
CO		1.11	0.00			6.63	0.00	7.15	0.00					
NOx (Total)		1.93	0.00	0.69	0.00	7.50	0.00							
Pb		0.00	0.00											
PM-10 (Total)		0.34	0.00											
PM-2.5 (Total)		0.34	0.00											
SO2		0.76	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FC**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	**CAS Number**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**		**Value**	**Units**
TSP		0.01	0.00											
VOC (Total)		0.84	0.04			3.96	0.18							
Ammonia	07664-41-7	0.11	0.00	0.04	0.00									
Arsenic compounds		0.00	0.00											
Benzene		0.98	0.78											
Benzo(a)pyrene	50-32-8	0.00	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FC**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	**CAS Number**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**		**Value**	**Units**
Beryllium compounds		0.00	0.00											
Cadmium compounds		0.00	0.00											
Chloroform	00067-66-3	663.40	0.00											
CO2		11.81	0.00											
Dioxins		0.00	0.00											
Mercury compounds		0.00	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FC**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	**CAS Number**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**	**Total**	**Fugitive**		**Value**	**Units**
Methane		45.57	0.00											
Nickel compounds		0.01	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FG0 Summary**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: Q2: Q3: Q4:

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FG0 Summary**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
CO			0.00				0.00		0.00					
NOx (Total)			0.00		0.00		0.00							
Pb			0.00											
PM-10 (Total)			0.00											
PM-2.5 (Total)			0.00											
SO2			0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FG0 Summary**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
TSP			0.00											
VOC (Total)			0.00				0.02							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FG1 Non-source fugitive emissions**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**
Source Process Data Is Considered Confidential	☐	Q1: 25.00 Q2: 25.00 Q3: 25.00 Q4: 25.00
Source Did Not Operate	☐	
NJDEP Default Emission Calculations	☐	

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FG1 Non-source fugitive emissions**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
CO			0.00				0.00		0.00					
NOx (Total)			0.00		0.00		0.00							
Pb			0.00											
PM-10 (Total)			0.00											
PM-2.5 (Total)			0.00											
SO2			0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **FG1 Non-source fugitive emissions**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
TSP			0.00											
VOC (Total)			0.00				0.02							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS0 Summary**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: Q2: Q3: Q4:

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS0 Summary**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
Ammonia		0.10	0.00											
CO		0.07	0.00			0.36	0.00	0.90	0.00					
CO2		5.42	0.00											
Methane		45.57	0.00											
NOx (Total)		0.16	0.00	0.01	0.00	0.85	0.00							
Pb		0.00	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS0 Summary**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
PM-10 (Total)		0.01	0.00											
PM-2.5 (Total)		0.01	0.00											
SO2		0.00	0.00											
TSP		0.00	0.00											
VOC (Total)		0.73	0.04			3.26	0.15							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS0 Summary**

Operating Scenario:

Step:

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS100 Incin. Bldg.**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: 55.00 Q2: 17.00 Q3: 0.00 Q4: 28.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	0.0000	gallons	0	0	13	
Between 12/1/21 - 2/28/22	633.0000	gallons	502	90	12	
For the Entire Year of 2022	1,033.0000	gallons	820	203	52	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS100 Incin. Bldg.**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
CO		0.00	0.00			0.00	0.00	0.04	0.00					
Methane		0.00	0.00											
NOx (Total)		0.01	0.00	0.00	0.00	0.00	0.00							
Pb		0.00	0.00											
PM-10 (Total)		0.00	0.00											
PM-2.5 (Total)		0.00	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS100 Incin. Bldg.**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
SO2		0.00	0.00											
TSP		0.00	0.00											
VOC (Total)		0.00	0.00			0.00	0.00							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS101 Maintenance shop; warehouse; Admin**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: 65.00 Q2: 10.00 Q3: 4.00 Q4: 21.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	113.4000	gallons	2,208	92	13	
Between 12/1/21 - 2/28/22	1,786.0000	gallons	2,160	90	13	
For the Entire Year of 2022	2,291.0000	gallons	8,760	365	52	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS101 Maintenance shop; warehouse; Admin**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
CO		0.01	0.00			0.01	0.00	0.15	0.00					
Methane		0.00	0.00											
NOx (Total)		0.02	0.00	0.00	0.00	0.02	0.00							
Pb		0.00	0.00											
PM-10 (Total)		0.00	0.00											
PM-2.5 (Total)		0.00	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS101 Maintenance shop; warehouse; Admin**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
SO2		0.00	0.00											
TSP		0.00	0.00											
VOC (Total)		0.00	0.00			0.00	0.00							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS102 Incineration; Admin**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: 30.00 Q2: 33.00 Q3: 22.00 Q4: 15.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	200.0000	gallons	2,208	92	13	
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022	1,650.0000	gallons	8,760	365	52	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS102 Incineration; Admin**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.00	0.00			0.00	0.00							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS103 SE corner of Incin. Bldg.**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: 35.00 Q2: 24.00 Q3: 21.00 Q4: 20.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	1,393.0000	gallons	2,208	92	13	
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022	5,886.0000	gallons	8,760	365	52	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS103 SE corner of Incin. Bldg.**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.05	0.04			0.17	0.15							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS120 NE corner of Incin. Bldg.**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	X	**Associated Permit Activity #:**
This Source Has No Reportable Emissions for 2022		**Quarterly Throughput (%)**
Source Process Data Is Considered Confidential		Q1: Q2: Q3: Q4:
Source Did Not Operate		
NJDEP Default Emission Calculations		

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS130 Laboratory**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: 25.00 Q2: 25.00 Q3: 25.00 Q4: 25.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	0.0270	tons	2,208	92	13	
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022	0.1090	tons	8,760	365	52	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS130 Laboratory**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.01	0.00			0.05	0.00							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS140 Plant**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: 60.00 Q2: 14.00 Q3: 0.00 Q4: 26.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	0.0170	MMft^3	22	2	1	
Between 12/1/21 - 2/28/22	1.5850	MMft^3	1,983	90	13	
For the Entire Year of 2022	2.7370	MMft^3	3,484	193	28	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS140 Plant**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
CO		0.06	0.00			0.35	0.00	0.71	0.00					
Methane		0.00	0.00											
NOx (Total)		0.13	0.00	0.01	0.00	0.83	0.00							
Pb		0.00	0.00											
PM-10 (Total)		0.01	0.00											
PM-2.5 (Total)		0.01	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS140 Plant**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
SO2		0.00	0.00											
TSP		0.00	0.00											
VOC (Total)		0.01	0.00			0.05	0.00							
Ammonia	07664-41-7	0.00	0.00											
CO2		0.17	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS200 Plant**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: 25.00 Q2: 27.00 Q3: 20.00 Q4: 28.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	1,415,830,000.0000	gallons	2,208	92	13	
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022	7,314,090,000.0000	gallons	8,760	365	52	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS200 Plant**

Operating Scenario:

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.67	0.00			2.99	0.00							
Ammonia	07664-41-7	0.10	0.00											
CO2		5.25	0.00											
Methane		45.57	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **IS201 Plant**

Operating Scenario:

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**	
This Source Has No Reportable Emissions for 2022	☒	**Quarterly Throughput (%)**	
Source Process Data Is Considered Confidential	☐	Q1:	Q2: Q3: Q4:
Source Did Not Operate	☐		
NJDEP Default Emission Calculations	☐		

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS0 Summary**

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**
Source Process Data Is Considered Confidential	☐	Q1: Q2: Q3: Q4:
Source Did Not Operate	☐	
NJDEP Default Emission Calculations	☐	

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS0 Summary**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
Ammonia		0.01	0.00	0.00	0.00									
CO		1.00	0.00			6.27	0.00	5.62	0.00					
CO2		6.39	0.00	0.00	0.00									
Methane		0.00	0.00											
NOx (Total)		1.72	0.00	0.68	0.00	6.65	0.00							
Pb		0.00	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS0 Summary**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
PM-10 (Total)		0.33	0.00											
PM-2.5 (Total)		0.33	0.00											
SO2		0.76	0.00											
TSP		0.01	0.00											
VOC (Total)		0.11	0.00			0.69	0.01							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS0 Summary**

Step:

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: OS2

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #: BOP190001

Quarterly Throughput (%)

Q1: 32.00 Q2: 36.00 Q3: 11.00 Q4: 21.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	9,271.0000	gallons	1,715	89	13	
Between 12/1/21 - 2/28/22	11,385.5200	gallons	1,469	79	11	
For the Entire Year of 2022	53,205.0000	gallons	6,149	317	45	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS2**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
CO		1.00	0.00			6.27	0.00	5.62	0.00			Continuous Emissions Monitoring	1.55E-02	lb/hr
Methane		0.00	0.00									Best engineering judgement	0.00E+00	lb/ton
NOx (Total)		1.72	0.00	0.68	0.00	6.65	0.00					Source test or other measurements	6.25E-01	lb/ton
Pb		0.00	0.00									Source test or other measurements	1.90E-06	lb/ton
PM-10 (Total)		0.33	0.00									Source test or other measurements	9.25E-02	lb/ton
PM-2.5 (Total)		0.33	0.00									Best engineering judgement	9.25E-02	lb/ton

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS2**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
SO2		0.76	0.00									Continuous Emissions Monitoring	2.23E-01	lb/hr
TSP		0.01	0.00									Source test or other measurements	2.86E-01	lb/ton
VOC (Total)		0.07	0.00			0.44	0.00					Source test or other measurements	2.85E-02	lb/ton
Ammonia	07664-41-7	0.01	0.00	0.00	0.00							Best engineering judgement	3.00E-03	lb/ton
CO2		6.39	0.00	0.00	0.00							Best engineering judgement	2.87E+03	lb/ton

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: OS3

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #: BOP190001

Quarterly Throughput (%)

Q1: 23.00 Q2: 26.00 Q3: 24.00 Q4: 27.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	1,555,585.0000	gallons	2,208	92	13	
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022	57,674,877.0000	gallons	8,760	365	52	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS3**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.04	0.00			0.24	0.00					EPA computer program based on other approved emission factor	1.41E-03	lb/Mgal
Ammonia	07664-41-7	0.00	0.00	0.00	0.00							EPA computer program based on other approved emission factor	2.70E-05	lb/Mgal

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: OS4

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #: BOP190001

Quarterly Throughput (%)

Q1: 19.00 Q2: 29.00 Q3: 27.00 Q4: 25.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	3,673,850.0000	gallons	2,208	92	13	
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022	13,581,900.0000	gallons	8,760	365	52	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS4**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.00	0.00			0.00	0.00					EPA computer program based on other approved emission factor	5.93E-08	lb/Mgal
Ammonia	07664-41-7	0.00	0.00	0.00	0.00							EPA computer program based on other approved emission factor	2.70E-05	lb/Mgal

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: OS5

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #: BOP190001

Quarterly Throughput (%)

Q1: 17.00 Q2: 70.00 Q3: 0.00 Q4: 13.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	1,360,422.0000	gallons	190	12	2	
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022	4,929,451.0000	gallons	969	74	11	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS5**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.00	0.00			0.00	0.00					EPA computer program based on other approved emission factor	1.32E-05	lb/Mgal
Ammonia	07664-41-7	0.00	0.00	0.00	0.00							EPA computer program based on other approved emission factor	1.42E-04	lb/Mgal

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: OS6

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☒

NJDEP Default Emission Calculations ☐

Associated Permit Activity #: BOP190001

Quarterly Throughput (%)

Q1: Q2: Q3: Q4:

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22		gallons				
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022		gallons				

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS6**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)														
Ammonia	07664-41-7													

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: OS7

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #: BOP190001

Quarterly Throughput (%)

Q1: 24.00 Q2: 20.00 Q3: 27.00 Q4: 29.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	11,042,513.0000	gallons	1,554	76	11	
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022	38,799,226.0000	gallons	5,804	267	38	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U1 Incinerator - R2 fluidized bed incinerator #2, three belt filter presses and headworks**

Operating Scenario: **OS7**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.00	0.00			0.02	0.01					EPA computer program based on other approved emission factor	1.05E-04	lb/Mgal
Ammonia	07664-41-7	0.00	0.00	0.00	0.00							EPA computer program based on other approved emission factor	1.42E-04	lb/Mgal

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U130 Thickeners - Sludge thickeners T1 and T2 and wet well**

Operating Scenario: **OS0 Summary**

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: Q2: Q3: Q4:

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U130 Thickeners - Sludge thickeners T1 and T2 and wet well**

Operating Scenario: **OS130**

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**	
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**	
Source Process Data Is Considered Confidential	☐	Q1:	Q2: Q3: Q4:
Source Did Not Operate	☒		
NJDEP Default Emission Calculations	☐		

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U130 Thickeners - Sludge thickeners T1 and T2 and wet well**

Operating Scenario: **OS131**

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**	
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**	
Source Process Data Is Considered Confidential	☐	Q1:	Q2: Q3: Q4:
Source Did Not Operate	☒		
NJDEP Default Emission Calculations	☐		

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U130 Thickeners - Sludge thickeners T1 and T2 and wet well**

Operating Scenario: **OS132**

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**
Source Process Data Is Considered Confidential	☐	Q1: Q2: Q3: Q4:
Source Did Not Operate	☒	
NJDEP Default Emission Calculations	☐	

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U130 Thickeners - Sludge thickeners T1 and T2 and wet well**

Operating Scenario: **OS133**

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**
Source Process Data Is Considered Confidential	☐	Q1: Q2: Q3: Q4:
Source Did Not Operate	☒	
NJDEP Default Emission Calculations	☐	

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U130 Thickeners - Sludge thickeners T1 and T2 and wet well**

Operating Scenario: **OS134**

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**
Source Process Data Is Considered Confidential	☐	Q1: Q2: Q3: Q4:
Source Did Not Operate	☒	
NJDEP Default Emission Calculations	☐	

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U130 Thickeners - Sludge thickeners T1 and T2 and wet well**

Operating Scenario: **OS135**

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**	
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**	
Source Process Data Is Considered Confidential	☐	Q1:	Q2: Q3: Q4:
Source Did Not Operate	☒		
NJDEP Default Emission Calculations	☐		

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U140 B600 Boiler - Building 600 Hot Water Heating Boiler**

Operating Scenario: **OS0 Summary**

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**	
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**	
Source Process Data Is Considered Confidential	☐	Q1:	Q2: Q3: Q4:
Source Did Not Operate	☐		
NJDEP Default Emission Calculations	☐		

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U140 B600 Boiler - Building 600 Hot Water Heating Boiler**

Operating Scenario: **OS0 Summary**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
CO		0.04	0.00			0.00	0.00	0.63	0.00					
Methane		0.00	0.00											
NOx (Total)		0.05	0.00	0.00	0.00	0.00	0.00							
Pb		0.00	0.00											
PM-10 (Total)		0.00	0.00											
PM-2.5 (Total)		0.00	0.00											

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U140 B600 Boiler - Building 600 Hot Water Heating Boiler**

Operating Scenario: **OS0 Summary**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
SO2		0.00	0.00											
TSP		0.00	0.00											
VOC (Total)		0.00	0.00			0.00	0.00							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U140 B600 Boiler - Building 600 Hot Water Heating Boiler**

Operating Scenario: **OS0 Summary**

Step:

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U140 B600 Boiler - Building 600 Hot Water Heating Boiler**

Operating Scenario: OS1

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: 62.00 Q2: 12.00 Q3: 0.00 Q4: 26.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	0.0000	MMft^3	0	0	0	
Between 12/1/21 - 2/28/22	0.6700	MMft^3	834	90	12	
For the Entire Year of 2022	1.0040	MMft^3	1,249	193	26	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U140 B600 Boiler - Building 600 Hot Water Heating Boiler**

Operating Scenario: **OS1**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
CO		0.04	0.00			0.00	0.00	0.63	0.00			AP-42		
Methane		0.00	0.00									AP-42		
NOx (Total)		0.05	0.00	0.00	0.00	0.00	0.00					AP-42		
Pb		0.00	0.00									AP-42		
PM-10 (Total)		0.00	0.00									AP-42		
PM-2.5 (Total)		0.00	0.00									AP-42		

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U140 B600 Boiler - Building 600 Hot Water Heating Boiler**

Operating Scenario: **OS1**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
SO2		0.00	0.00									AP-42		
TSP		0.00	0.00									AP-42		
VOC (Total)		0.00	0.00			0.00	0.00					AP-42		

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U150 R2 FO Tank - 12,000 Gallon AST for No. 2 Fuel Oil**

Operating Scenario: **OS0 Summary**

Step:

General Data

This Source No Longer Exists (Mark For Deletion)	☐	**Associated Permit Activity #:**
This Source Has No Reportable Emissions for 2022	☐	**Quarterly Throughput (%)**
Source Process Data Is Considered Confidential	☐	Q1: Q2: Q3: Q4:
Source Did Not Operate	☐	
NJDEP Default Emission Calculations	☐	

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U150 R2 FO Tank - 12,000 Gallon AST for No. 2 Fuel Oil**

Operating Scenario: **OS0 Summary**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.00	0.00			0.01	0.00							

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U150 R2 FO Tank - 12,000 Gallon AST for No. 2 Fuel Oil**

Operating Scenario: OS1

Step:

General Data

This Source No Longer Exists (Mark For Deletion) ☐

This Source Has No Reportable Emissions for 2022 ☐

Source Process Data Is Considered Confidential ☐

Source Did Not Operate ☐

NJDEP Default Emission Calculations ☐

Associated Permit Activity #:

Quarterly Throughput (%)

Q1: 25.00 Q2: 35.00 Q3: 18.00 Q4: 22.00

Process Data

Source Operation Information

	Operating Amount		Operating Time			Number of Batches Run
	Amount Processed	Units	Hours	Days	Weeks	
Between 6/1/22 - 8/31/22	12,022.7000	gallons	2,208	92	13	
Between 12/1/21 - 2/28/22						
For the Entire Year of 2022	69,645.7000	gallons	5,136	214	31	

Additional Batch Process Information

Amount per Batch

Units

Batch Run Time (Hours)

New Jersey Department of Environmental Protection
Emission Statement

Subject Item: **U150 R2 FO Tank - 12,000 Gallon AST for No. 2 Fuel Oil**

Operating Scenario: **OS1**

Step:

Emissions Data

Air Contaminant		Actual Emission Rates										Calculation Methodology Code	Emission Factors	
		2022 (Tons/Yr) (1000 tons/yr for CO2 only) (Lbs/Yr for TAPs only)		5/1/22-9/30/22 (Tons/Season)		6/1/22-8/31/22 (Lbs/Day)		12/1/21-2/28/22 (Lbs/Day)		Batch (Lbs/Batch)				
Name	CAS Number	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive	Total	Fugitive		Value	Units
VOC (Total)		0.00	0.00			0.01	0.00					AP-42		

000000 E3 (Fuel Combustion Equipment (Other))
Print Date: 6/30/2023

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: 6/30/2023

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 Thickess (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?	
Does the storage vessel	

000000 E4 (Storage Vessel)
Print Date: 6/30/2023

Does the storage vessel have a Conservation Vent?	
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 application?	No
Comments:	Sludge blend tank

000000 E5 (Storage Vessel)
Print Date: 6/30/2023

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 Thickess (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?	
Does the storage vessel	

000000 E5 (Storage Vessel)
Print Date: 6/30/2023

Does the storage vessel have a Conservation Vent?	
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 application?	No
Comments:	Septage receiving station

000000 E6 (Other Equipment)
Print Date: 6/30/2023

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

000000 E7 (Other Equipment)
Print Date: 6/30/2023

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

000000 E8 (Other Equipment)
Print Date: 6/30/2023

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: 6/30/2023

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 Thickess (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?	
Does the storage vessel	

000000 E130 (Storage Vessel)
Print Date: 6/30/2023

Does the storage vessel have a Conservation Vent?	
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 application?	No
Comments:	Sludge thickener T1

000000 E131 (Storage Vessel)
Print Date: 6/30/2023

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 Thickess (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?	
Does the storage vessel	

000000 E131 (Storage Vessel)
Print Date: 6/30/2023

Does the storage vessel have a Conservation Vent?	
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 application?	No
Comments:	Sludge thickener T2

000000 E132 (Storage Vessel)
Print Date: 6/30/2023

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 Thickess (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?	
Does the storage vessel	

000000 E132 (Storage Vessel)
Print Date: 6/30/2023

Does the storage vessel have a Conservation Vent?	
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 application?	No
Comments:	Wet well

000000 E140 (Boiler)
Print Date: 6/30/2023

Make:	NA
Manufacturer:	Smith Cast Iron Boiler
Model:	28A-5 Power Flame J50A - 15HBS - 5 Burner
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	1.49
Boiler Type:	Water Tube
Utility Type:	Utility
Output Type:	Water Only
Steam Output (lb/hr):	
Fuel Firing Method:	Wall-fired or cross-fired
Description (if other):	
Draft Type:	
Heat Exchange Type:	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?

Yes

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

Yes

Comments: Buiding 600 Hot Water Heater Boiler

000000 E150 (Storage Vessel)
Print Date: 6/30/2023

What type of contents is this storage vessel equipped to contain by design?	Liquids Only
Storage Vessel Type:	Tank
Design Capacity:	12,000
Units:	gallons
Ground Location:	Above Ground
Is the Shell of the Equipment Exposed to Sunlight?	No
Shell Color:	
Description (if other):	
Shell Condition:	Gunite Lining
Paint Condition:	Good
Shell Construction:	Welded
Is the Shell Insulated?	Yes
Type of Insulation:	Styrofoam,HDPE membrane, steel reinforced co
Insulation Thickness (in):	6.3
Thermal Conductivity of Insulation [(BTU)(in)(hr)(ft2)(deg F)]:	
Shape of Storage Vessel:	Rectangular
Shell Height (From Ground to Roof Bottom) (ft):	9.00
Length (ft):	33.00
Width (ft):	7.00
Diameter (ft):	
Other Dimension	
Description:	
Value:	
Units:	
Fill Method:	Submerged
Description (if other):	
Maximum Design Fill Rate:	100.00
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):	6.25
Roof Construction:	
Primary Seal Type:	
Secondary Seal Type:	
Total Number of Seals:	
Roof Support:	
Does the storage vessel have a Vapor Return Loop?	No

000000 E150 (Storage Vessel)
Print Date: 6/30/2023

Does the storage vessel have a Conservation Vent?	Yes
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 application?	Yes
Comments:	No. 2 fuel oil for FBSSI R2

000000 CD4 (Adsorber)
Print Date: 6/30/2023

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 H20):	1.5 to 2
Maximum Pressure Drop Across Adsorber (In H20):	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

000000 CD4 (Adsorber)
Print Date: 6/30/2023

Method of Determining Breakthrough:

Continuous Emissions Monitor (CEM)	no
Replacement By Weight	no
Periodic Testing	yes
Sampling Frequency	daily monitoring by sense of smell
Sampling Device	sense of smell
Other	NA
Description:	NA
Minimum Concentration at Breakthrough (ppmvd):	NA
Handling Method of Saturated Adsorbant:	disposed of in either incinerator or offsite by bid awardee
Method of Regeneration:	NA
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	8
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Daily pressure drop readings across carbon bed; note whether it emits odors
Have you attached data from recent performance testing?	no
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	no
Have you attached a diagram showing the location and/or configuration of this control apparatus?	yes
Comments:	Headworks carbon adsorber

Control Device Design Efficiency Table

Pollutant Category	Design Efficiency (%)
PM-10	0
TSP	0
VOC	NA
NOx	0
SO2	0
CO	0
Pb	0
HAPs (Total)	NA
Other (Total)	NA
Individual HAPs/Other (speciate below)	
Thiocresol	95
Hydrogen sulfide	95
Mercaptans	95
Dimethyl sulfide	95
Thiophenol	95

000000 CD130 (Adsorber)
Print Date: 6/30/2023

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 H20):	NA
Maximum Pressure Drop Across Adsorber (In H20):	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

000000 CD130 (Adsorber)
Print Date: 6/30/2023

Method of Determining Breakthrough:

Continuous Emissions Monitor (CEM)	no
Replacement By Weight	no
Periodic Testing	yes
Sampling Frequency	Once every six months
Sampling Device	daily monitoring sense of smell
Other	NA
Description:	NA
Minimum Concentration at Breakthrough (ppmvd):	NA
Handling Method of Saturated Adsorbant:	disposed of either in incinerator or offsite by bid awardee
Method of Regeneration:	NA
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources):	3
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	Daily pressure drop readings across carbon bed; note if it emits odors
Have you attached data from recent performance testing?	no
Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?	no
Have you attached a diagram showing the location and/or configuration of this control apparatus?	yes
Comments:	Thickeners carbon adsorber

Control Device Design Efficiency Table

Pollutant Category	Design Efficiency (%)
PM-10	0
TSP	0
VOC	NA
NOx	0
SO2	0
CO	0
Pb	0
HAPs (Total)	NA
Other (Total)	NA
Individual HAPs/Other (speciate below)	
Methylene chloride	93
Hydrogen sulfide	93
Ammonia	93
1,2-dichlorobenzene	93

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS3 (Storage Vessel Content)
Print Date: 6/30/2023

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

Pollutant Table

Chemical Name	Pollutant Category	Solubilty (g/ml of scrubbing media)

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS3 (Scrubber (Multi-Stage) - CD1) Scrubbing Medium
Print Date: 6/30/2023

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			

Control Device Efficiency Table

Control Device NJID:	cd1

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10	100	na	na
TSP	100	99.84	99.84
VOC	100	33.3	33.3
NOx	100	16.7	16.7
SO2	100	na	na
CO	100	0	0
Pb	100	na	na
HAPs (Total)	100	na	na
Other (Total)	100	na	na
Individual HAPs/Other (speciate below)			
na	na	na	na

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Pollutant Table

Chemical Name	Pollutant Category	Solubilty (g/ml of scrubbing media)

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS3 (Scrubber (Multi-Stage) - CD2) Scrubbing Medium
Print Date: 6/30/2023

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			

Control Device Efficiency Table

Control Device NJID:	cd2

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10	100	na	na
TSP	100	99.84	99.84
VOC	100	31.8	31.8
NOx	100	16.9	16.9
SO2	100	na	na
CO	100	0	0
Pb	100	na	na
HAPs (Total)	100	na	na
Other (Total)	100	na	na
Individual HAPs/Other (speciate below)			
na	na	na	na

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	CD4

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10	100	0	0
TSP	100	0	0
VOC	100	NA	NA
NOx	100	0	0
SO2	100	0	0
CO	100	0	0
Pb	100	0	0
HAPs (Total)	100	NA	NA
Other (Total)	100	NA	NA
Individual HAPs/Other (speciate below)			
Thiocresol	100	95	95
Hydrogen Sulfide	100	95	95
Mercaptans	100	95	95
Dimethyl Sulfide	100	95	95
Thiophenol	100	95	95

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS4 (Storage Vessel Content)
Print Date: 6/30/2023

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

Pollutant Table

Chemical Name	Pollutant Category	Solubilty (g/ml of scrubbing media)

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS4 (Scrubber (Multi-Stage) - CD1) Scrubbing Medium
Print Date: 6/30/2023

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			

Control Device Efficiency Table

Control Device NJID:	cd1

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10	100	na	na
TSP	100	99.84	99.84
VOC	100	33.3	33.3
NOx	100	16.7	16.7
SO2	100	na	na
CO	100	0	0
Pb	100	na	na
HAPs (Total)	100	na	na
Other (Total)	100	na	na
Individual HAPs/Other (speciate below)			
na	na	na	na

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Pollutant Table

Chemical Name	Pollutant Category	Solubilty (g/ml of scrubbing media)

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS4 (Scrubber (Multi-Stage) - CD2) Scrubbing Medium
Print Date: 6/30/2023

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			

Control Device Efficiency Table

Control Device NJID:	CD2

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10	100	na	na
TSP	100	99.84	99.84
VOC	100	31.8	31.8
NOx	100	16.9	16.7
SO2	100	na	16.9
CO	100	0	0
Pb	100	na	na
HAPs (Total)	100	na	na
Other (Total)	100	na	na
Individual HAPs/Other (speciate below)			
na	na	na	na

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	CD4

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10	100	0	0
TSP	100	0	0
VOC	100	NA	NA
NOx	100	0	0
SO2	100	0	0
CO	100	0	0
Pb	100	0	0
HAPs (Total)	100	NA	NA
Other (Total)	100	NA	NA
Individual HAPs/Other (speciate below)			
Thiocresol	100	95	95
Hydrogen Sulfide	100	95	95
Mercaptans	100	95	95
Dimethyl Sulfide	100	95	95
Thiophenol	100	95	95

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Volume of Gas Discharged from this Source (acfm):	1161

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Other Equipment) Raw Material
Print Date: 6/30/2023

Contaminant	Pollutant Category	Physical State	Vapor Pressure @ 70 oF (mmHg)	Organic Liquid Density (lbs/gal)	% Weight	CAS Number	Molecular Weight

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Other Equipment) Raw Material
Print Date: 6/30/2023

Pollutant Table

Chemical Name	Pollutant Category	Solubilty (g/ml of scrubbing media)

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS5 (Scrubber (Multi-Stage) - CD2) Scrubbing Medium
Print Date: 6/30/2023

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			

Control Device Efficiency Table

Control Device NJID:	CD2

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10	100	na	na
TSP	100	99.84	99.84
VOC	100	31.8	31.8
NOx	100	16.9	16.9
SO2	100	na	na
CO	100	0	0
Pb	100	na	na
HAPs (Total)	100	na	na
Other (Total)	100	na	na
Individual HAPs/Other (speciate below)			
na	na	na	na

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Volume of Gas Discharged from this Source (acfm):	1161

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Other Equipment) Raw Material
Print Date: 6/30/2023

Contaminant	Pollutant Category	Physical State	Vapor Pressure @ 70 oF (mmHg)	Organic Liquid Density (lbs/gal)	% Weight	CAS Number	Molecular Weight

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Other Equipment) Raw Material
Print Date: 6/30/2023

Pollutant Table

Chemical Name	Pollutant Category	Solubilty (g/ml of scrubbing media)

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS6 (Scrubber (Multi-Stage) - CD2) Scrubbing Medium
Print Date: 6/30/2023

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			

Control Device Efficiency Table

Control Device NJID:	CD2

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10	100	na	na
TSP	100	99.84	99.84
VOC	100	31.8	31.8
NOx	100	16.9	16.9
SO2	100	na	na
CO	100	0	0
Pb	100	na	na
HAPs (Total)	100	na	na
Other (Total)	100	na	na
Individual HAPs/Other (speciate below)			
na	na	na	na

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Volume of Gas Discharged from this Source (acfm):	1161

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Other Equipment) Raw Material
Print Date: 6/30/2023

Contaminant	Pollutant Category	Physical State	Vapor Pressure @ 70 oF (mmHg)	Organic Liquid Density (lbs/gal)	% Weight	CAS Number	Molecular Weight

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Other Equipment) Raw Material
Print Date: 6/30/2023

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Other Equipment) Raw Material
Print Date: 6/30/2023

Pollutant Table

Chemical Name	Pollutant Category	Solubilty (g/ml of scrubbing media)

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U1 OS7 (Scrubber (Multi-Stage) - CD2) Scrubbing Medium
Print Date: 6/30/2023

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			

Control Device Efficiency Table

Control Device NJID:	CD2

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10	100	na	na
TSP	100	99.84	99.84
VOC	100	31.8	31.8
NOx	100	16.9	16.9
SO2	100	na	na
CO	100	0	0
Pb	100	na	na
HAPs (Total)	100	na	na
Other (Total)	100	na	na
Individual HAPs/Other (speciate below)			
na	na	na	na

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U130 OS130 (Storage Vessel Content)
Print Date: 6/30/2023

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

Control Device Efficiency Table

Control Device NJID:	CD130

Pollutant Category	**Efficiency (%)**		
	Capture	**Removal**	**Overall**
PM-10	100	0	0
TSP	100	0	0
VOC	100	NA	NA
NOx	100	0	0
SO2	100	0	0
CO	100	0	0
Pb	100	0	0
HAPs (Total)	100	NA	NA
Other (Total)	100	NA	NA
Individual HAPs/Other (speciate below)			
Methylene chloride	100	93	93
Hydrogen sulfide	100	93	93
Ammonia	100	93	93
1,2-dichlorobenzene	100	93	93

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U130 OS131 (Storage Vessel Content)
Print Date: 6/30/2023

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

Control Device Efficiency Table

Control Device NJID:	CD130

Pollutant Category	**Efficiency (%)**		
	Capture	**Removal**	**Overall**
PM-10	100	0	0
TSP	100	0	0
VOC	100	NA	NA
NOx	100	0	0
SO2	100	0	0
CO	100	0	0
Pb	100	0	0
HAPs (Total)	100	NA	NA
Other (Total)	100	NA	NA
Individual HAPs/Other (speciate below)			
Methylene chloride	100	93	93
Hydrogen sulfide	100	93	93
Ammonia	100	93	93
1,2-dichlorobenzene	100	93	93

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U130 OS132 (Storage Vessel Content)
Print Date: 6/30/2023

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

Control Device Efficiency Table

Control Device NJID:	CD130

Pollutant Category	**Efficiency (%)**		
	Capture	**Removal**	**Overall**
PM-10	100	0	0
TSP	100	0	0
VOC	100	NA	NA
NOx	100	0	0
SO2	100	0	0
CO	100	0	0
Pb	100	0	0
HAPs (Total)	100	NA	NA
Other (Total)	100	NA	NA
Individual HAPs/Other (speciate below)			
Methylene chloride	100	93	93
Hydrogen sulfide	100	93	93
Ammonia	100	93	93
1,2-dichlorobenzene	100	93	93

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

Control Device Efficiency Table

Control Device NJID:	

Pollutant Category	Efficiency (%)		
	Capture	Removal	Overall
PM-10			
TSP			
VOC			
NOx			
SO2			
CO			
Pb			
HAPs (Total)			
Other (Total)			
Individual HAPs/Other (speciate below)			

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U130 OS133 (Storage Vessel Content)
Print Date: 6/30/2023

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 EST000000 U130 OS134 (Storage Vessel Content)
Print Date: 6/30/2023

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 EST000000 U130 OS135 (Storage Vessel Content)
Print Date: 6/30/2023

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 EST000000 U140 OS1 (Primary Fuel)
Print Date: 6/30/2023

Is this fuel a blend?	
Fuel Category:	
Fuel Type:	Natural gas
Description (if other):	
Amount of Sulfur in Fuel (%):	0.0010
Amount of Ash in Fuel (%):	
Fuel Heating Value:	
Units:	
Estimated Maximum Amount of Fuel Burned Annually:	
Units:	
Estimated Actual Amount of Fuel Burned Annually:	
Units:	
Amount of Oxygen in Flue Gas (%):	
Amount of Moisture in Flue Gas (%):	
Comments:	

35857 SOMERSET RARITAN VALLEY SEWERAGE AUTHORITY EST000000 U150 OS1 (Storage Vessel Content)
Print Date: 6/30/2023

Content Name:	#2 Fuel oil
CAS Number:	68476-30-2
Is the Content Under Pressure?	No
Pressure (PSIG):	
Physical State:	Liquid
Estimated Average Working Volume:	10,000
Units:	gallons
Density of Contents:	7.100
Units:	lb/gal
Estimated Minimum Storage Temperature (deg F):	40.000
Estimated Maximum Storage Temperature (deg F):	90.000
Estimated Average Storage Temperature (deg F):	60.000
Does the Content Contain VOCs?:	No
Organic Density:	
Units:	
Molecular Weight (Lbs/Lbs-Mole):	130.000
Vapor Pressure at Average Storage Temperature (PSIA):	
Vapor Pressure at 70 deg F (mmHg):	
Estimated Average Annual Throughput:	90,000.0000
Units:	gallons
Estimated Maximum Annual Throughput:	300,000.0000
Units:	gallons