

July 20, 2021

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Subject: Air Quality Modeling Report - Iodine Emissions Assessment for Covanta Essex Company

Dear Mr. John:

Pursuant to condition (a)3. of Phase II of Section B Compliance Schedule of Administrative Consent Order (ACO) EA ID# 200001-07736, Covanta Essex Company (Covanta Essex) is submitting the attached Air Quality Modeling Report, Iodine Emissions Assessment for Covanta Essex Company within 45 days of approval of the Air Quality Modeling Protocol. The air quality modeling report was prepared by AECOM, the third-party consultant for Covanta Essex Company, and modeling was conducted in accordance with the Air Quality Modeling Protocol that was approved by the Bureau of Evaluation and Planning on June 8, 2021.

If there are any questions please do not hesitate to contact me directly at (973) 817-7228 or DBlackmore@covanta.com, or Patricia Earls at (973) 817-7322 or Pearls@covanta.com.

Sincerely,



David Blackmore

cc: B. Stormwind, AECOM
P. Earls, Covanta
R. Wormley, NJDEP
J. Meyer, NJDEP
S. Michenfelder, NJDEP

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this letter and all attached documents and, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant civil and criminal penalties, including the possibility of fine or imprisonment or both, for submitting false, inaccurate, or incomplete information."



David Blackmore
Facility Manager

7/20/21
Date



Environment

Prepared for:
Covanta Essex Co.
Newark, NJ

Prepared by:
AECOM
Chelmsford, MA
July 2021

Air Quality Modeling Report

Iodine Emissions Assessment for Covanta Essex County



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Air Quality Modeling Report

Iodine Emissions Assessment for Covanta Essex County

A handwritten signature in black ink, appearing to read 'Amanda MacNutt'. The signature is written in a cursive style with some loops and flourishes.

Prepared by Amanda MacNutt

A handwritten signature in black ink, appearing to read 'Brian Stormwind'. The signature is written in a cursive style with some loops and flourishes.

Reviewed by Brian Stormwind

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1.0 Introduction

Covanta Essex Company (Covanta Essex), operates the Essex County Resource Recovery Facility (the ECRRF or the Facility), under Title V Program Interest Number 07736. The New Jersey Department of Environmental Protection (NJDEP) has required that Covanta Essex conduct a dispersion modeling analysis to assess the potential health impacts associated with iodine emissions from the Facility's Municipal Waste Combustion (MWC) units per the Consent Order dated 10/09/2020 (NJDEP 2020a). The dispersion modeling and health impact assessment focused on iodine (I₂) emissions associated with plume opacity events that occurred on eleven days from January 2019 to February 2020. Subsequently, following review of the modeling protocol the Department also requested the modeling assessment include an evaluation of hydriodic acid (HI), sulfuric acid (H₂SO₄) and sulfur dioxide (SO₂) emissions during the plume opacity events.

Covanta is submitting this report to document the dispersion modeling and health impact assessment conducted for the ECRRF to evaluate air emissions during the plume opacity events.

The modeling analysis demonstrates the maximum modeled concentrations over the entire receptor grid, including all sensitive receptors, are below the health benchmarks for all compounds (refer to Section 5).

All dispersion modeling files and calculations supporting the dispersion results are provided as an attachment accompanying the email transmission of this report to NJDEP.

1.1 Report Organization

The dispersion modeling was conducted consistent with the United States Environmental Protection Agency's (USEPA's) Guideline on Air Quality Models (USEPA 2017), NJDEP's Technical Manual 1002 dispersion modeling guidance (NJDEP 2018a) and the Modeling Protocol (AECOM, April 2021) that was approved by NJDEP (see Appendix A for the modeling protocol and NJDEP approval). Details of the modeling methodology, source data and results are provided in the following sections of this report.

This report sets forth all requirements considered to be applicable to the air dispersion modeling impact analysis. The remaining sections of the report include:

Section 2 – Health Effects Criteria describes the basis for the health effects benchmark for iodine that was used to evaluate the dispersion modeling results.

Section 3 – Source Description provides descriptions of site location, evaluated sources, applicable air pollution controls, stack parameters and emission rates.

Section 4 – Modeling Approach describes the modeling approach and model selection used in the dispersion modeling.

Section 5 – Modeling Results provides modeling results found using the described modeling approaches.

Appendix A provides the modeling protocol and approval from NJDEP.

2.0 Health Effects Criteria

2.1 Iodine

NJDEP's Risk Assessment Guidance (NJDEP 2018b) includes a list of air toxics for health risk assessment evaluation in its "Risk Screening Worksheet for Long-Term Carcinogenic and Noncarcinogenic Effects and Short-Term Effects" (NJDEP 2020b). However, iodine is not included in the Worksheet or in the list of Toxicity Values for Inhalation Exposure (NJDEP 2020c). Therefore, a review was conducted to identify available health benchmarks for iodine that can be used to assess potential inhalation health-risk associated with the maximum modeled concentrations.

The United States Department of Energy (DOE) has established Protective Action Criteria (PACs) that can be used to estimate the severity of the consequence of an uncontrolled release and for emergency planning purposes. The PAC-1 for iodine is 0.1 ppm (~1000 $\mu\text{g}/\text{m}^3$) (USDOE 2018). The PAC-1 value is based on Emergency Response Planning Guidelines (ERPGs) produced by the American Industrial Hygiene Association (AIHA) and represents a level which does not pose a health risk to the community, but which may be noticeable due to slight odor or mild irritation. (AIHA 2006).

The Occupational Safety and Health Administration (OSHA) has compiled a side-by-side comparison of selected occupation exposure limits in their Table Z-1 (OSHA 2020). Table Z-1 lists 0.1 ppm as a Ceiling Limit or short-term exposure limit (STEL) for iodine for each of the following:

- OSHA Permissible Exposure Limit (PEL);
- California Division of Occupational Health and Safety (Cal/OSHA) PEL;
- National Institute for Occupational Health and Safety (NIOSH) Recommended Exposure Limit (REL); and
- American Conference of Governmental Industrial Hygienists (ACGIH) short-term exposure limit (STEL).

These Ceiling Limits or STELs should never be exceeded at any time during the workday and are applicable to a healthy working population rather than a potentially sensitive general population. However, Ceiling Limits and STELs can be adjusted to establish 1-hour exposure limits for the general public with application of an additional safety factor. For example, this methodology is used by The New York Department of Environmental Conservation (NYSDEC) in deriving their Short-Term Guideline Concentrations (SGCs), used to evaluate the potential health effects from air toxics¹. The NYSDEC SGC for iodine, 100 $\mu\text{g}/\text{m}^3$, was derived from the iodine ACGIH Ceiling Limit (~1000 $\mu\text{g}/\text{m}^3$) by dividing the concentration by an additional safety factor of ten (10) (NYSDEC 2016). The NYSDEC SGC for iodine (100 $\mu\text{g}/\text{m}^3$) was approved by NJDEP (NJDEP 2021b) as an appropriate health benchmark to use in evaluating the potential health effect of iodine emissions from the Covanta Essex facility.

¹ <https://www.dec.ny.gov/chemical/106667.html>; https://www.dec.ny.gov/docs/air_pdf/dar1.pdf

2.2 H₂SO₄

In accordance with NJDEP's request (NJDEP 2021a), evaluation of the health effects due to potential H₂SO₄ exposure used the acute hourly reference concentration of 120 µg/m³ from NJDEP's Toxicity Values for Inhalation Exposure (NJDEP 2020c).

2.3 HI

NJDEP's Toxicity Values for Inhalation Exposure (NJDEP 2020c) does not include HI. Therefore, similar to iodine, a review was conducted to identify available health benchmarks for HI that can be used to assess potential inhalation health-risk associated with the maximum modeled concentrations.

The DOE's PAC-1 for HI is 1 ppm (5.2 mg/m³) for evaluating acute exposure (DOE 2018). As mentioned above, the PAC-1 value represents a level which does not pose a health risk to the community, but which may be noticeable due to slight odor or mild irritation (AIHA 2006). A concentration of 5.2 mg/m³ (5,200 µg/m³) was approved by NJDEP for use in evaluating acute HI exposure (NJDEP (2021b)).

2.4 SO₂

In accordance with NJDEP's request (NJDEP 2021a), modeled 1-hour SO₂ concentrations were compared to the 1-hour SO₂ National Ambient Air Quality Standard (NAAQS) of 196 µg/m³.

3.0 Source Description

Covanta Essex's ECRRF is an energy-from-waste (EfW) facility with three (3) identically sized independent MWC units. The MWC units each vent out of their own flue from a single stack structure with a height of 279 feet above grade elevation. The ECRRF is a major source subject to air permitting under N.J.A.C. 7:27-22, Operating Permits, as well as a major source of HAPs.

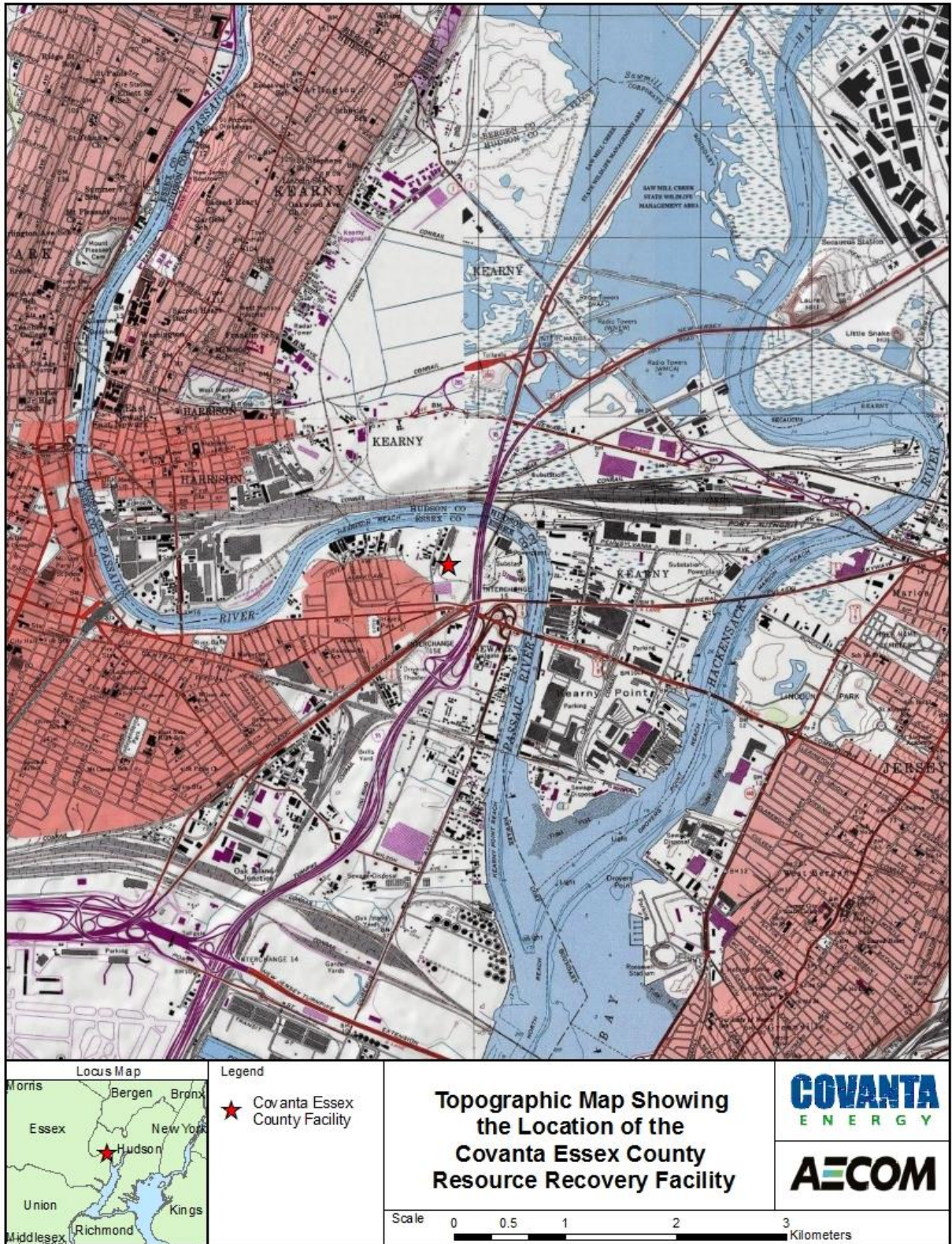
The ECRRF produces high temperature, high-pressure steam from the combustion of solid waste. The steam is utilized to generate electricity at the facility for sale to PJM Interconnection LLC and for in-plant use. Municipal solid waste (MSW) delivery hours are twenty-four (24) hours per day, Monday through Saturday. The Facility is permitted to combust MSW twenty-four (24) hours per day, 7 days per week, up to a maximum of 985,500 tons of solid waste per year.

An original site plot plan of the ECRRF was provided with the 2019 risk assessment modeling report (AECOM 2019). There have been no changes to the site layout since the 2019 submittal. The various system operations are housed predominately in one main building structure consisting of: the tipping hall, the refuse storage bunker, the boiler building, the turbine-generator building, the residue processing facility, the residue bunker, and ferrous and non-ferrous metal storage areas, and the facility administrative offices. Auxiliary support buildings and equipment located separate from the main building structure include: the maintenance building, the induced draft fan control building, the air-cooled condensers, the air quality control systems, the scale house, the electrical switchyard, the activated carbon and lime storage silos, the aqueous ammonia storage tank, the raw water storage tank, the wastewater storage tank, the demineralized water storage tank, the condensate storage tank, and the No.2 fuel oil storage tank.

The three (3) MWC units for the combustion of waste, the generation of steam, and the handling of ash generated by the combustion process are the sources of HAPs at the facility. Each of the MWC units contains the following combustion equipment: a charging hopper which is loaded from the waste storage pit by overhead cranes, a feed chute, a ram feeder, roller grates, primary, secondary, and low NOx air systems, auxiliary fuel oil burners, and flues and ducts. Each MWC unit also includes the following steam generation equipment: economizer, main steam drum, the waterwalls (water-filled tubes that line the combustion chamber), a bank evaporator, a superheater, a spray attemperator, safety valves and blowdown tanks. The superheated steam produced at the facility is passed through two (2) turbine-generators to produce electricity. Each turbine-generator is rated at 36 megawatts (MW), for a total generating capacity of approximately 72 MW.

The ECRRF is located at 183 Raymond Boulevard, off of U.S. Routes 1/9 and the New Jersey Turnpike, in Newark, NJ (Essex County), as shown on **Figure 3-1**.

Figure 3-1 Location of the Covanta Essex County Resource Recovery Facility



3.1 Iodine Emissions

Green Toxicology LLC analyzed continuous emissions monitoring system (CEMS) opacity data for fifteen (15) different plume opacity events related to iodine emissions that occurred over eleven (11) separate days (see **Table 3-1**). As documented in a technical memorandum prepared by Green Toxicology, see Appendix A of the Modeling Protocol provided in **Appendix A** of this report, the iodine emission events were determined based on elevated % opacity values on a per-unit basis, and iodine emission rates were estimated from the measured opacity levels. For most of the eleven days, iodine emissions occurred from only one of the three units. However, four days included multiple events (iodine emissions from more than one unit). The Green Toxicology analysis developed 60-minute average emission rates for each event that was used to model the events with the USEPA's AERMOD dispersion model. Further details regarding the development of the emission rates are provided in the documentation of the Green Toxicology analysis in **Appendix A**.

For each of the eleven "event days", 60-minute iodine emissions from all three units were summed to develop a total hourly emission rate from the stack for input to AERMOD. On days with more than one event (emissions occurring from more than one unit), it was conservatively assumed that any iodine emissions occurred during the same 60-minute period for all the units, even if the events were somewhat staggered and did not occur during the same hour.

Tables 3-1 and **3-2** present the hourly emission rates that were modeled for each of the eleven event days.

3.2 Emissions of H₂SO₄, HI, and SO₂

Covanta has estimated the uncontrolled mass emission rates of H₂SO₄ and HI in accordance with guidance provided in NJDEP (2021a), assuming that all inlet SO₂ reacted with iodine as I₂ for each of the eleven event days. The estimated mass emission rate at the economizer was determined from stack flue gas flow rates from the continuous flue gas flow rate monitor, the baghouse outlet flue gas temperature and actual SO₂ concentration at the economizer outlet. These estimated rates are most likely on the high side because the stack flue gas rate, normalized to standard conditions, includes an indeterminate amount of air in-leakage. The H₂SO₄ mass rates at the economizer outlet assumes 100 % conversion of SO₂ to H₂SO₄. The HI mass rates at the economizer outlet assumes 100 % conversion of I₂ to HI with the I₂ mass rate being a 1:1 molar ratio with SO₂ to enable the reduction of SO₂.

3.3 MWC Stack Parameters

As noted, the ECRRF stack contains three (3) flues (each with a diameter of 7.54 feet), one for each MWC unit, that are housed in a single stack. **Tables 3-1** and **3-2** (per unit data), and **Table 3-3** (combined stack data) present the stack parameters that were modeled. The modeled diameter is based on the equivalent diameter corresponding to the number of units/flues operating during each event. The modeled stack exit velocity was calculated based on the equivalent diameter and the sum of the exhaust flow rates from each flue for the corresponding 60-minute opacity event. The modeled stack temperature was based on the flow-weighted average temperature using the average flow rate for each flue for the 60-minute event. Exhaust flow rate and temperature data for each event were obtained from the CEMS for each of the units.

Note that in addition to the combined stack parameters and emissions rate to be modeled, **Table 3-3** also indicates the corresponding time period/hours of the associated meteorological data with the observed opacity events/iodine emissions. The model was applied with the hourly emission rates and meteorological data specific to these hours, and the highest model result was used to evaluate the impacts.

Table 3-1 Per Unit Stack Parameters and Emission Rates for Iodine Emission Event Days

DATE	1/14/2019	1/28/2019	5/2/2019	6/3/2019	6/16/2019	6/19/2019	6/24/2019	8/7/2019	9/20/2019	10/10/2019	2/5/2020
Unit 1 Flue Data											
60-min Event Start Time	OFFLINE	(3)	(2)	(2)	4:03	13:00	5:08	(3)	(3)	14:46	18:52
Avg Outlet Temp During Event (Deg F)	OFFLINE	301.9	299.4	284.7	300.0	303.3	295.3	299.2	305.8	297.5	311.6
Avg Flowrate During Event (ACFM)	OFFLINE	241074.3	230782.9	201627.1	201881.5	225614.9	236495.4	214730.1	237762.8	188519.7	199476.0
60-min Emission Rate (g/sec)	0	0	0	0	4.4	4.1 ⁽⁶⁾	8.6	0	0	12.4	3.7
Unit 2 Flue Data											
60-min Event Start Time	17:12	(3)	15:53	19:29	(1)	12:24	1:15	(3)	(3)	(1)	(1)
Avg Outlet Temp During Event (Deg F)	314.2	313.2	299.8	298.5	303.5	306.7	301.7	296.8	307.0	306.4	297.7
Avg Flowrate During Event (ACFM)	227413.5	259666.5	179571.7	150942.5	193995.7	204844.8	186399.9	234728.1	227034.1	240873.4	239980.9
60-min Emission Rate (g/sec)	7.2	0	4.8	11.4	0	27.0	6.4	0	0	0	0
Unit 3 Flue Data											
60-min Event Start Time	16:10	17:25	(2)	18:56	(1)	12:28	(1)	9:40	18:04	(1)	OFFLINE
Avg Outlet Temp During Event (Deg F)	315.9	303.2	301.2	291.5	297.8	301.8	300.6	288.5	298.0	303.1	OFFLINE
Avg Flowrate During Event (ACFM)	252503.6	223254.1	231412.2	200801.5	251624.4	239079.4	239766.6	231822.8	235187.8	236553.4	OFFLINE
60-min Emission Rate (g/sec)	8.2	15.2	0	7.2	0	23.0	0	6	6	0	0
Combined Stack Data (3 merged flues)											
Total Emissions (g/sec)	15.4	15.2	4.8	18.6	4.4	54.1	15.0	5.5	5.8	12.4	3.7
Stack Temp ⁽⁴⁾ (Flow-Weighted, F)	315.1	306.3	300.2	290.9	300.2	303.8	299.0	294.7	303.6	302.7	304.0
Total Flow (ACFM)	479917.1	723994.9	641766.8	553371.2	647501.6	669539.2	662661.9	681280.9	699984.7	665946.6	439456.9
Exit Velocity ⁽⁵⁾ (ft/sec)	89.62	90.08	79.85	68.85	80.56	83.30	82.45	84.77	87.09	82.86	82.07
Equivalent Diameter ⁽⁵⁾ (ft)	10.66	13.06	13.06	13.06	13.06	13.06	13.06	13.06	13.06	13.06	10.66

Notes:

- (1) No emissions attributable to iodine occurred from this unit. However, since it was operating, the gas flow and flue gas temperatures were accounted for in the calculations of the exit velocity and stack temperature for the combined stack. Gas flow and temperature data correspond to the **Unit 1** event 60-min. period.
- (2) No emissions attributable to iodine occurred from this unit. However, since it was operating, the gas flow and flue gas temperatures were accounted for in the calculations of the exit velocity and stack temperature for the combined stack. Gas flow and temperature data correspond to the **Unit 2** event 60-min. period.
- (3) No emissions attributable to iodine occurred from this unit. However, since it was operating, the gas flow and flue gas temperatures were accounted for in the calculations of the exit velocity and stack temperature for the combined stack. Gas flow and temperature data correspond to the **Unit 3** event 60-min. period.
- (4) Flow-weighted average temperature based on the average gas flow for each flue for the event duration.
- (5) Based on an equivalent stack diameter. Equivalent diameter represents the diameter with an exit area equivalent to the sum of the area of the operating flues. The value is based on 3 units operating (3 flues) for all days except for 01/14/2019 and 2/05/2020 when only 2 units were operating, and the equivalent diameter is based on 2 flues. Each flue diameter is 7.54 feet.
- (6) This event was not included in the Green Toxicology emissions report (see Appendix A) as Unit 1 did not experience an opacity excursion; however, since this was the worst-case event, it was conservatively assumed that iodine emissions from this unit were possible and emissions were estimated using the same methodology presented in Appendix A.

Table 3-2 H₂SO₄, HI, and SO₂ Emissions

Reference Information			Estimated Uncontrolled Emissions	
Date	Unit	SO ₂ ⁽¹⁾ lb/min	H ₂ SO ₄ ⁽²⁾ lb/min	HI ⁽³⁾ lb/min
01/14/2019	U2	0.45	0.68	0.91
	U3	1.17	1.75	2.35
01/28/2019	U3	1.08	1.62	2.18
05/02/2019	U2	2.03	3.05	4.09
06/03/2019	U2	1.74	2.61	3.50
	U3	1.10	1.65	2.22
06/16/2019	U1	1.51	2.27	3.04
06/19/2019	U2	1.02	1.53	2.05
	U3	0.94	1.41	1.89
06/24/2019	U1	1.15	1.73	2.32
	U2	0.89	1.34	1.79
08/07/2019	U3	1.61	2.42	3.24
09/20/2019	U3	1.53	2.30	3.08
10/10/2019	U1	1.58	2.37	3.18
02/05/2020	U1	0.56	0.84	1.13

Notes:

(1) SO₂ mass emission rate as lb/min estimated from stack flue gas flow rate monitor, baghouse outlet temperature and CEM 1-minute values for 30 minutes before a plume event started.

(2) Sulfuric acid mist mass emission rate as lb/min assumes all SO₂ converted to H₂SO₄.

(3) HI emission rate based on 1-lb-mole of I₂ for every lb-mole of SO₂ with all I₂ converted to HI.

Table 3-3 Combined Stack Data for Input to AERMOD

Event Date	Event Start Time ⁽¹⁾	Meteorological Hours Modeled ⁽²⁾ (Hr 1, Hr 2)	Iodine Emission Rate (g/sec)	SO ₂ Emission Rate (g/sec)	HI Emission Rate (g/sec)	H ₂ SO ₄ Emission Rate (g/sec)	Stack Temp (K)	Exit Velocity (m/sec)
01_14_2019 ⁽³⁾	16:10 ⁽³⁾	17, 18, 19	15.4	12.2	24.6	18.4	430.4	27.3
1_28_2019	17:25	18, 19	15.2	8.2	16.5	12.2	425.6	27.5
5_2_2019	15:53	16, 17	4.8	15.3	30.9	23.1	422.1	24.3
6_3_2019	18:56	19, 20	18.6	21.5	43.2	32.2	417.0	21.0
6_16_2019	4:03	05, 06	4.4	11.4	23.0	17.2	422.2	24.6
6_19_2019	12:24	13, 14	54.1	14.4	30.2	21.9	424.2	25.4
6_24_2019	5:08	06, 07	15.0	15.4	31.1	23.2	421.5	25.1
8_7_2019	9:40	10, 11	5.5	12.2	24.5	18.3	419.1	25.8
9_20_2019	18:04	19, 20	5.8	11.6	23.3	17.4	424.0	26.5
10_10_2019	14:46	15, 16	12.4	11.9	24.0	17.9	423.6	25.3
2_5_2020	18:52	19, 20	3.7	4.2	8.5	6.4	424.3	25.0
Stack Height: 85.039 m								
Notes:								
(1) 24-hour time.								
(2) Meteorological hours run from 01-24 such that 0:00 = meteorological hour 01 and 23:00 = meteorological hour 24.								
(3) Three hours were modeled for this day to fully capture in the model the span of events that began and 17:12 and 16:10 for Units 2 and 3, respectively.								

4.0 Modeling Approach

The USEPA's AERMOD dispersion model (version 21112) was used to predict iodine concentrations ($\mu\text{g}/\text{m}^3$) for each of the event-days detailed in **Section 3.0**.

The suitability of an air quality dispersion model for a particular application is dependent upon several factors. For this study, four selection criteria were evaluated. The selection of AERMOD was based upon analysis of the following criteria:

- stack height relative to nearby structures;
- dispersion environment;
- local terrain; and
- representative meteorological data.

4.1 Good Engineering Practice (GEP) Stack Height Analysis

Good engineering practice (GEP) stack height is defined as the stack height necessary to ensure that emissions from the stack do not result in excessive concentrations of any air pollutant as a result of atmospheric downwash, wakes or eddy effects created by the source, nearby structures or terrain features. A GEP stack height analysis was conducted in 2018 with the USEPA's Building Profile Input Processor (BPIP) in accordance with USEPA's guidelines (USEPA 1985). The location of the stack and buildings layout are shown in **Figure 4-1**. The GEP height for the modeled stack, H_{GEP} , was determined from the dimensions of all buildings which are within the region of influence:

$$H_{\text{GEP}} = H + 1.5L$$

where:

H = height of the structure within 5L of the stack which maximizes H_g , and

L = lesser dimension (height or projected width) of the structure.

For a squat structure, i.e., height less than projected width, the formula reduces to:

$$H_{\text{GEP}} = 2.5H$$

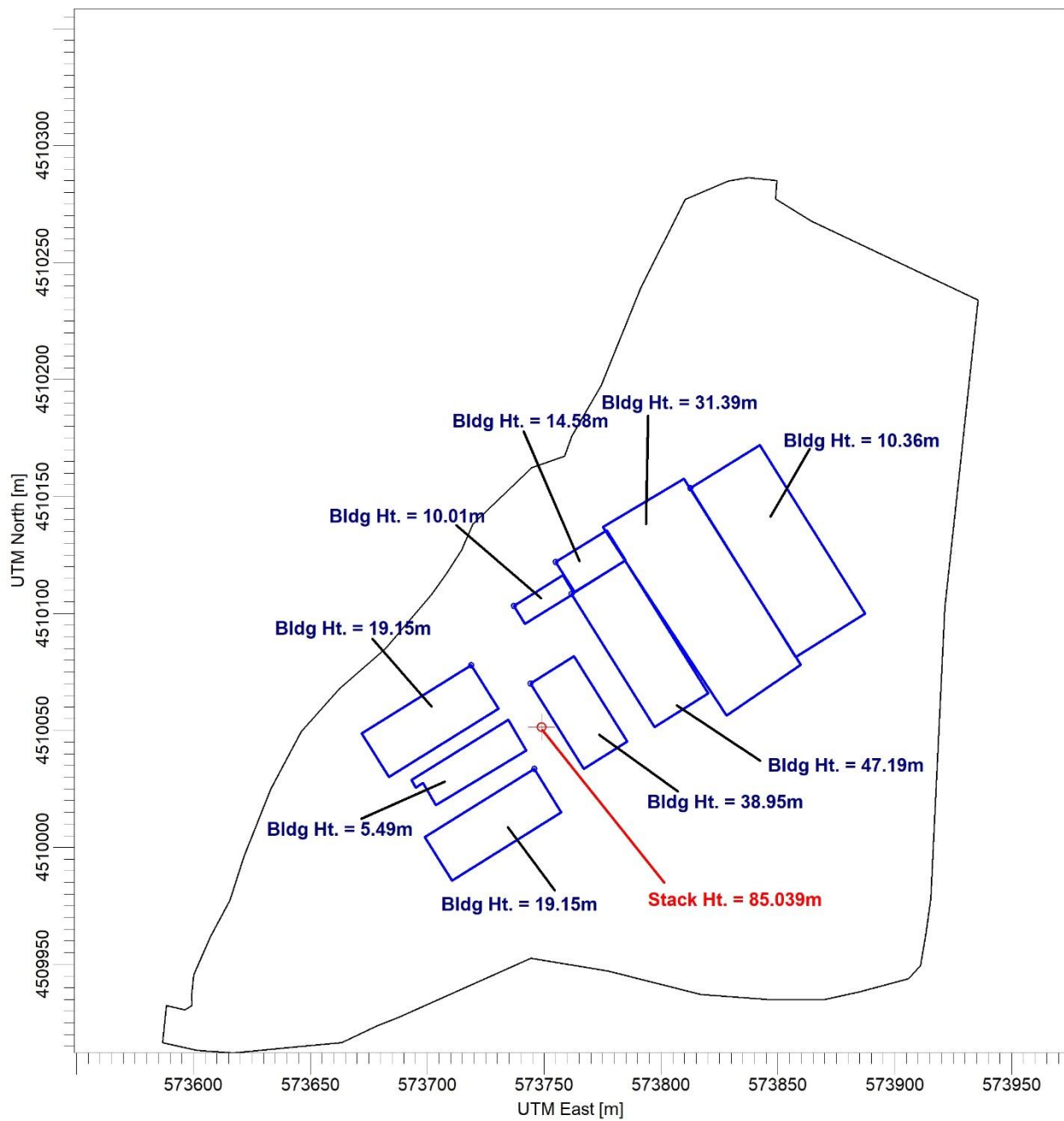
As required by AERMOD, the PRIME version of the BPIP program was employed. The direction-specific building dimensions generated by BPIP-PRIME for the 2018 risk analysis were used to model the iodine emission events in AERMOD. **Table 4-1** details the overall GEP summary.

An electronic copy of the BPIP files is provided as part of the dispersion modeling archive of files.

Table 4-1 GEP Summary

Stack	Stack Height (m)	Building Height (m)	Maximum Projected Building Width (m)	Distance from Stack (m)	5L Distance (m)	Calculated Formula GEP Stack Height (m)
Combined 3 MWC Units	85.04	47.1 (Boiler Building)	66.48	41.0	235.5	118.02

Figure 4-1 GEP Figure



4.2 Dispersion Environment and Local Topography

The application of the AERMOD model requires characterization of the local (within 3 kilometers) dispersion environment as either urban or rural based on prevalent land use. According to USEPA modeling guidelines, if more than 50 percent of an area within a 3-kilometer radius of the project site is classified as rural, then rural dispersion coefficients are to be used in the dispersion modeling analysis.

Based on land-use information provided on United States Geological Survey (USGS) topographic maps and recent aerial photography, the area within 3 kilometers of the ECRRF is considered urban.

Therefore, the urban option was used in the application of AERMOD. Note that the urban option was also used in the air toxics modeling conducted in the 2019 (AECOM 2019). The population value to be used in AERMOD was the 2019 population for Newark, NJ of 282,011 (US Census Bureau 2020)

4.3 Meteorological Data

While the NJDEP typically provides applicants with AERMOD-ready meteorological data for use in dispersion modeling analyses, they have not yet processed a dataset that covers the 2019-2020 event periods. Therefore, the data were processed specifically for this modeling analysis to prepare the meteorological data concurrent with the plume opacity/iodine emission events that was modeled. Surface data from the National Weather Service (NWS) at Newark International Airport, NJ, and concurrent mixing heights from Brookhaven, NY were processed with AERMET (version 21112) using methods and model options consistent with NJDEP processing of 2013-2017 meteorological data (NJDEP 2020d).

AERSURFACE was run for dry moisture conditions using inputs that match those in files provided by NJDEP to develop the surface characteristics required for input to AERMET Stage 3. For average and wet moisture conditions, AERSURFACE output obtained from NJDEP was used in AERMET Stage 3. Additional Stage 3 AERMET options were set equal to those in the 2017 file provided by NJDEP. AERMET was then run for each of the three moisture conditions, resulting in three sets of AERMOD-ready meteorological files.

Modeling of each of the iodine emissions events used the meteorological data set that corresponded to the moisture conditions for the month containing the event. A month was classified as either average, wet, or dry by comparing the monthly precipitation to the 30-year average in accordance with USEPA guidance (USEPA 2020). A summary of the meteorological data set selected for modeling each of the iodine emissions events, as well as all the files used in the AERMET processing, are included in the archive of modeling files which are provided as an attachment accompanying the email transmission of this report to NJDEP.

The intent of the analysis is to model the hourly emission rate using meteorological data concurrent with the 60-minute event. However, because AERMOD can only estimate hourly concentrations for 60-minute periods beginning and ending at the top of the hour, the two consecutive “meteorological hours” that encompass each 60-minute iodine emission event was modeled to determine the worst-case 1-hour modeled concentration. **Table 3-3** lists the two hours that were modeled.

4.4 AERMOD Receptors

The same Cartesian receptor grid used in the 2018 health risk analysis was also used to model the iodine emissions events. The grid consists of the following receptor spacing:

- Along the property boundary with 20-meter spacing;
- From the property boundary to 1 km with 70-meter spacing;

- From 1 km to 2 km with 100-meter spacing;
- From 2 km to 3 km with 250-meter spacing;
- From 3 km to 5 km with 500-meter spacing;
- From 5 km to 10 km with 1,000-meter spacing; and
- From 10 km to 20 km with 2,000-meter spacing.

Receptor height scales at each receptor location were developed for the 2018 analysis using AERMAP (version 18081), the terrain preprocessor for AERMOD. The receptor coordinates are referenced to North American Datum (NAD) 1983. The near-field and far-field receptor grids are shown in **Figures 4-2** and **4-3**, respectively.

In addition to a Cartesian receptor grid, sensitive receptors consisting of the nearest residences, parks, schools, hospitals, and nursing homes were also modeled. **Figure 4-4** provides the locations that were included in the modeling.

Figure 4-2 Near-Field Receptor Grid

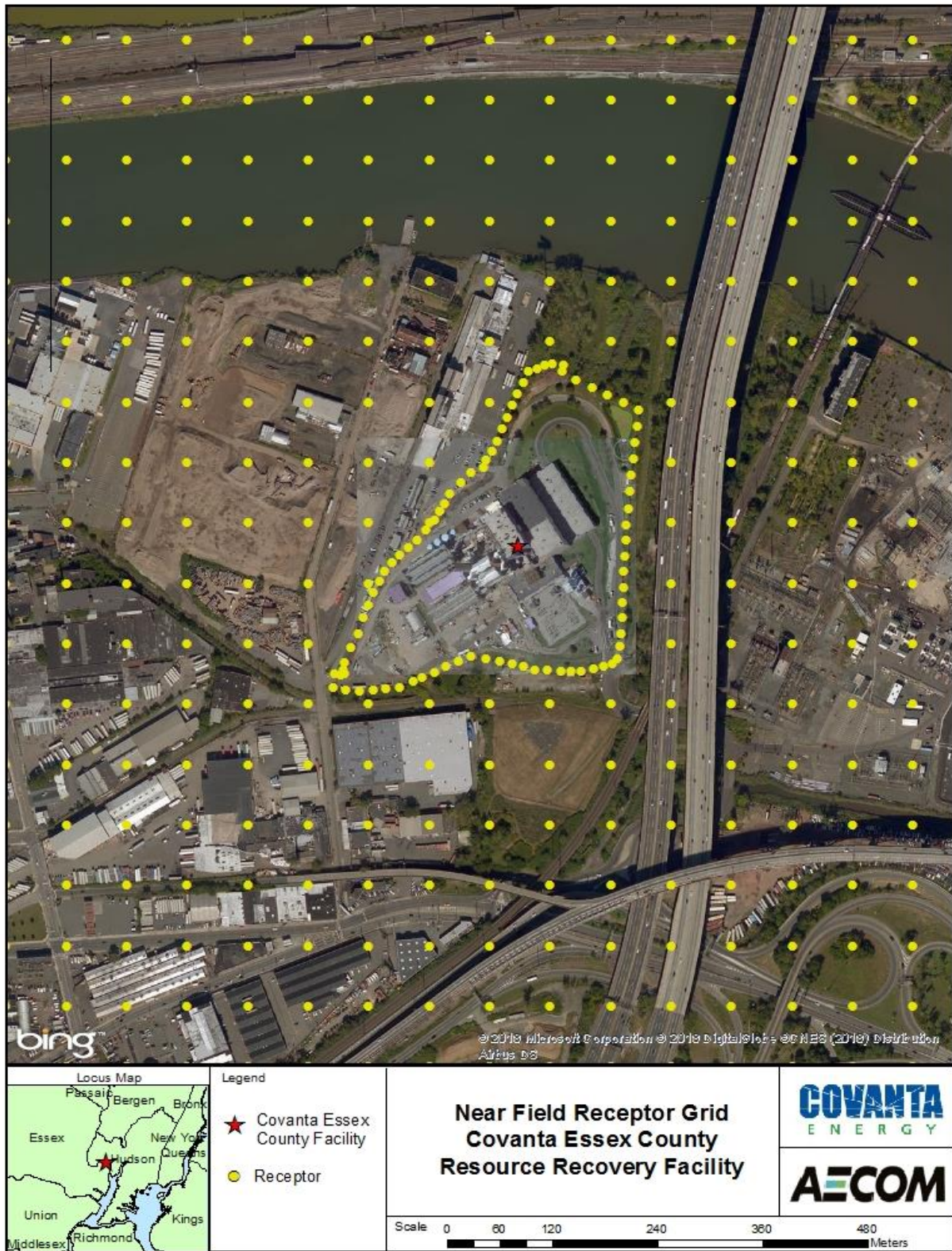


Figure 4-3 Far-Field Receptor Grid

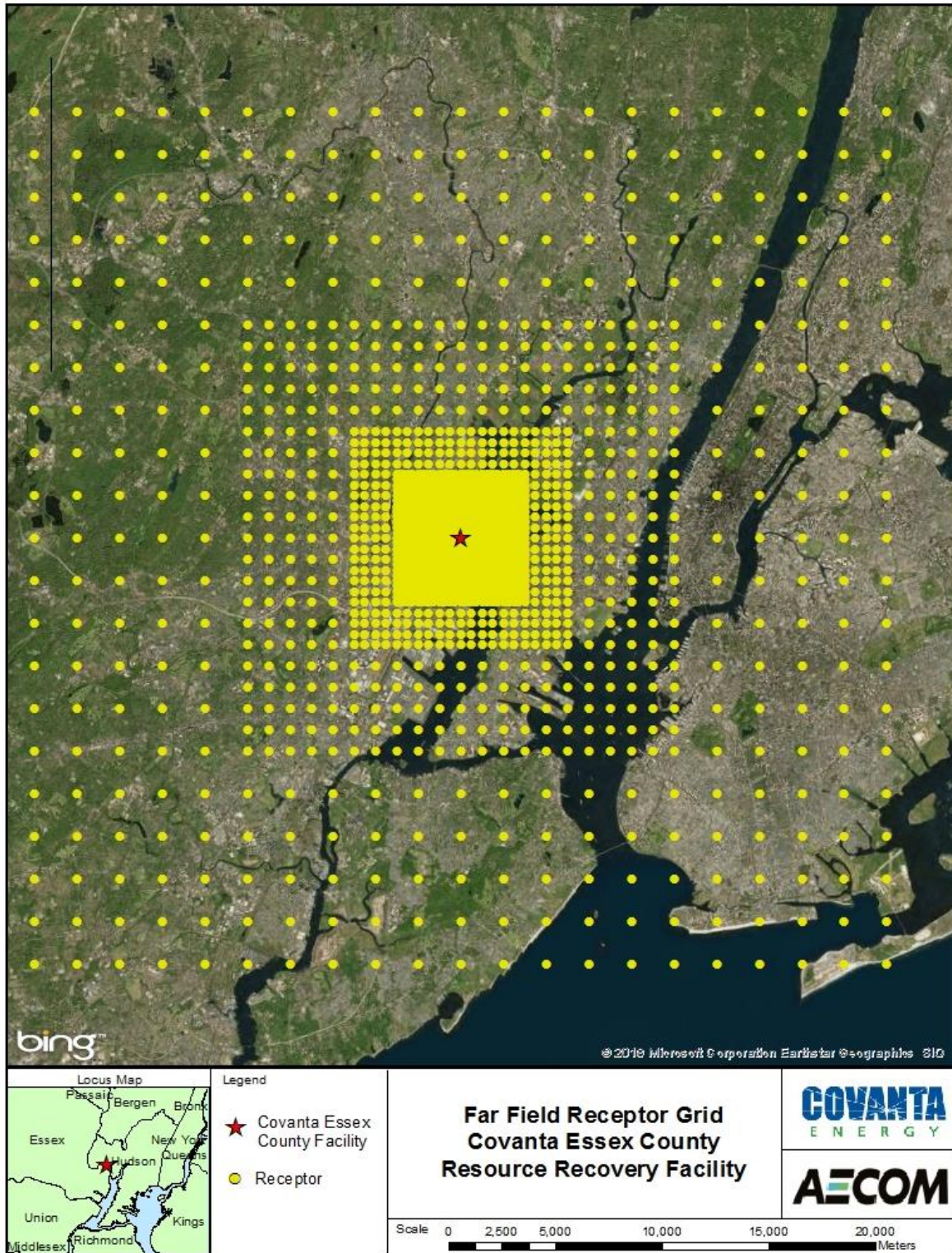
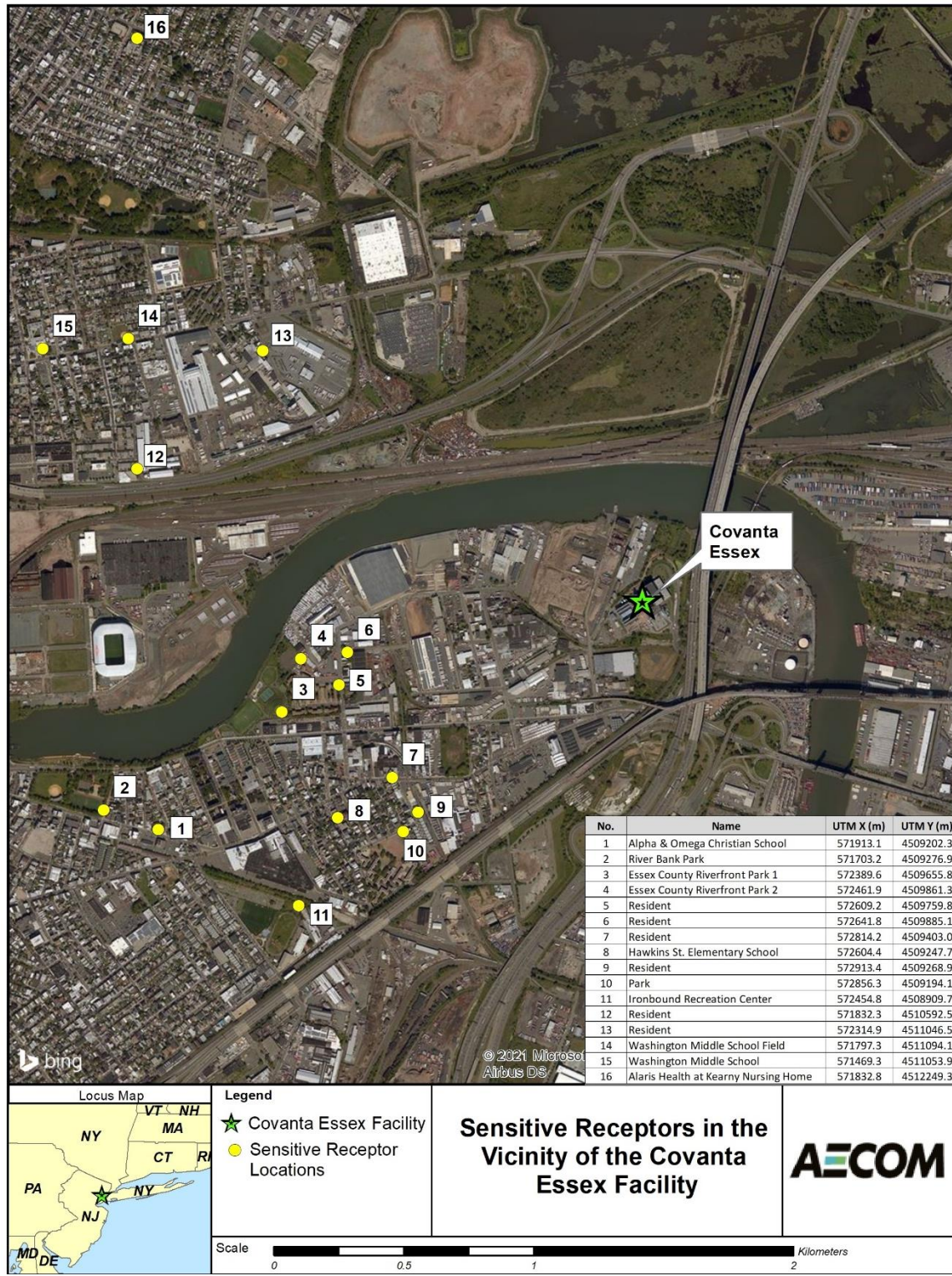


Figure 4-4 Sensitive Receptors in the Vicinity of the Covanta Essex Facility



5.0 Modeling Results

AERMOD was applied for each event day/meteorological period with the corresponding source parameters and emission rates listed in **Table 3-3**. The maximum concentrations associated with each event modeled across the entire Cartesian receptor grid are summarized in **Table 5-1**. The maximum concentrations over all events are summarized in **Table 5-2** for comparison with the health benchmarks. All maximum concentrations for the Cartesian receptor grid are below the health benchmarks for all compounds.

The maximum 1-hour concentrations were also determined for each of the sensitive receptors for comparison to the health benchmarks as shown in **Table 5-3**. Similar to the results for the Cartesian grid receptors, modeled concentrations (per g/sec) for each event date were multiplied by the emissions for that date (see **Table 3-3**). The maximum 1-hour concentrations across all event dates are summarized for each receptor in **Table 5-3**. The overall maximum concentrations, also shown as percentages, are well below the health benchmarks for the sensitive receptors.

All dispersion modeling files and calculations supporting the dispersion results presented below are provided as an attachment accompanying the email transmission of this report to NJDEP.

Table 5-1 Dispersion Modeling Results for Cartesian Grid Receptors

Date	AERMOD Hours Modeled	Modeled X/Q Concentration ⁽¹⁾ (µg/m ³)				Maximum 1-Hour Concentration ⁽²⁾ (µg/m ³)			
		Hour 1	Hour 2	Hour 3	MAX	Iodine	H ₂ SO ₄	HI	SO ₂
01_14_2019	17, 18, 19	0.19	0.17	0.27	0.27	4.21	5.02	6.74	3.35
01_28_2019	18, 19	0.11	0.14	NA	0.14	2.06	1.66	2.24	1.11
05_02_2019	16, 17	0.24	0.32	NA	0.32	1.55	7.44	10.0	4.95
06_03_2019	19, 20	0.09	0.09	NA	0.09	1.72	2.98	4.00	1.98
06_16_2019	05, 06	0.14	0.10	NA	0.14	0.59	2.32	3.10	1.54
06_19_2019	13, 14	0.26	0.23	NA	0.26	13.9	5.61	7.74	3.68
06_24_2019	06, 07	0.13	0.44	NA	0.44	6.61	10.2	13.7	6.80
08_07_2019	10, 11	0.34	0.43	NA	0.43	2.35	7.83	10.5	5.21
09_20_2019	19, 20	0.18	0.15	NA	0.18	1.04	3.11	4.16	2.07
10_10_2019	15, 16	0.40	0.59	NA	0.59	7.29	10.5	14.1	7.02
02_05_2020	19, 20	0.19	0.17	NA	0.32	1.19	2.05	2.75	1.36
MAX						13.9	10.5	14.1	7.02

Notes:

(1) Modeled concentration per g/sec emission rate ("X/Q").

(2) Maximum modeled "X/Q" concentration over all hours multiplied by total pollutant emission rate for the date as shown in **Table 3-3**.

Table 5-2 Maximum Modeled Concentration Compared to Inhalation Risk Benchmarks for Cartesian Grid Receptors

Pollutant	Maximum 1-hour Concentration ($\mu\text{g}/\text{m}^3$)	Inhalation Risk Benchmark ($\mu\text{g}/\text{m}^3$)	% of Benchmark	Benchmark Reference
Iodine	13.9	100	14%	NYSDEC
H ₂ SO ₄	10.5	120	9%	NJDEP
HI	14.1	5,200	0.3%	PAC-1
SO ₂	7.02	196	4%	NAAQS

Table 5-3 Maximum Modeled Concentrations Compared to Inhalation Risk Benchmarks at the Sensitive Receptors

No.	Name	UTM X (m)	UTM Y (m)	Maximum 1-Hour Concentration ($\mu\text{g}/\text{m}^3$)			
				Iodine	H ₂ SO ₄	HI	SO ₂
1	Alpha & Omega Christian School	571913.12	4509202.27	0.02	0.16	0.25	0.34
2	River Bank Park	571703.22	4509276.88	0.11	0.41	0.70	0.94
3	Essex County Riverfront Park 1	572389.55	4509655.76	0.06	0.21	0.36	0.48
4	Essex County Riverfront Park 2	572461.87	4509861.26	0.02	1.00	0.40	0.56
5	Resident	572609.15	4509759.83	0.02	0.29	0.17	0.23
6	Resident	572641.79	4509885.07	0.02	1.06	0.43	0.59
7	Resident	572814.21	4509403.00	0.01	0.10	0.16	0.22
8	Hawkins St. Elementary School	572604.39	4509247.69	0.01	0.14	0.21	0.28
9	Resident	572913.43	4509268.85	0.02	0.10	0.16	0.22
10	Park	572856.28	4509194.07	0.03	0.12	0.18	0.24
11	Ironbound Rec Center	572454.81	4508909.73	0.02	0.16	0.25	0.33
12	Resident	571832.27	4510592.48	0.18	9.47	3.84	5.29
13	Resident	572314.87	4511046.50	0.19	4.96	4.33	5.81
14	Washington Middle School Field	571797.35	4511094.13	0.24	7.71	5.42	7.27
15	Washington Middle School	571469.26	4511053.91	0.19	8.41	4.41	5.91
16	Alaris Health at Kearny Nursing Home	571832.78	4512249.30	0.04	0.24	0.81	1.08
Overall Maximum ($\mu\text{g}/\text{m}^3$)				0.24	9.47	5.42	7.27
Inhalation Risk Benchmark ($\mu\text{g}/\text{m}^3$)				100 ⁽²⁾	120 ⁽³⁾	5200 ⁽⁴⁾	196 ⁽⁵⁾
Overall Maximum % of Benchmark				0.2%	7.9%	0.1%	3.7%

Notes:

(1) Maximum 1-hour concentration found by multiplying the modeled concentration per g/sec ("X/Q") for each event date by the emissions for that date (shown in **Table 3-3**). For each receptor, the maximum 1-hour concentration over all events is shown above. Detailed calculations supporting this table are provided in the accompanying modeling archive.

(2) NYSDEC.

(3) NJDEP.

(4) PAC-1.

(5) NAAQS.

6.0 References

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Appendix A

Modeling Protocol and NJDEP Approval



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF AIR QUALITY

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PHILIP D. MURPHY

Governor

SHEILA Y. OLIVER

Lt. Governor

SHAWN M. LATOURETTE

Acting Commissioner

(via e-mail only)

June 8, 2021

Mr. David Blackmore
Facility Manager
Covanta Essex Company
183 Raymond Boulevard
Newark, NJ 07105

SUBJECT: Air Quality Modeling Protocol – Iodine Emissions Assessment for Covanta Essex County; Newark, Essex County; Program Interest # 07736
ACO EA ID#200001-07736

Dear Mr. Blackmore,

The Bureau of Evaluation and Planning (BEP) has reviewed the Revised Air Quality Modeling Protocol, submitted by Covanta Essex Company (Covanta) on April 21, 2021, in response to BEP's protocol comments issued on February 26, 2021. The revised protocol is hereby approved. Please submit the air quality modeling report within 60 days of this letter date.

Please note that the NJDEP Division of Science and Research has concluded that the New York State Department of Environmental Conservation Iodine (I₂) Short-Term Guideline Concentration of 0.01 ppm (100 µg/m³) is appropriate as the basis for a Short-term Inhalation Concentration for airborne iodine.

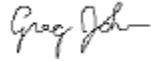
In addition, please correct the following minor discrepancies (typographical errors) when submitting the modeling report:

- Section 3.3 MWC Stack Parameters refers to Table 3-2 twice. The corresponding time period specific to the modeling should refer to Table 3-3.
- The three-flue municipal waste combustor stack height is 279 feet (85.04 m). Table 4-1 lists the stack height as 85.34 m and Figure 4-1 lists the stack height as both 85.04 m and 85.34 m.

June 8, 2021

If there are questions, please contact me at greg.john@dep.nj.gov, or (609) 633-1106.

Sincerely,



Greg John
Research Scientist
Bureau of Evaluation and Planning

c: F. Steitz (DAQ) D. Wong (BSS) R. Wormley (Enforcement)
 K. Ratzman (DAQ) J. Leon (BSS) J. Meyer (Enforcement)
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 Y. Zhang (BEP) T. Chleboski (BSS) P. Earls (Covanta)

Air Quality Modeling Protocol

Iodine Emissions Assessment for Covanta Essex County



Environment

Prepared for:
Covanta Essex Co.
Newark, NJ

Prepared by:
AECOM
Chelmsford, MA
Revised April 2021

Air Quality Modeling Protocol

Iodine Emissions Assessment for Covanta Essex County

A handwritten signature in black ink, appearing to read 'Amanda MacNutt'. The signature is written in a cursive style with some loops and flourishes.

Prepared by Amanda MacNutt

A handwritten signature in black ink, appearing to read 'Brian Stormwind'. The signature is written in a cursive style with some loops and flourishes.

Reviewed by Brian Stormwind

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1.0 Protocol Overview

Covanta Essex Company (Covanta Essex), operates the Essex County Resource Recovery Facility (the ECRRF or the Facility), under Program Interest Number 07736. The New Jersey Department of Environmental Protection (NJDEP) has required that Covanta Essex conduct a dispersion modeling analysis to assess the potential health impacts associated with iodine emissions from the Facility's Municipal Waste Combustion (MWC) units per the Consent Order dated 10/09/2020 (NJDEP 2020a).

Covanta is submitting this protocol, a revision to the protocol submitted to NJDEP in January 2021, to establish the dispersion modeling and health impact assessment approach as requested by NJDEP. In accordance with comments provided by NJDEP on 02/26/2021 (NJDEP 2021) in reference to Covanta's January 2021 protocol, the protocol has been revised to incorporate the following:

- the modeling analysis and associated health risk assessment will also address potential emissions of sulfur dioxide (SO₂), sulfuric acid (H₂SO₄) and hydriodic acid (HI) concurrent with the aforementioned iodine emissions;
- includes new Appendix B which includes all previous correspondence between Covanta and the NJDEP Division of Air Quality regarding the iodine plume events;
- acknowledges that NJDEP is still evaluating the proposed use of the New York Department of Environmental Conservation (NYSDEC) iodine Short-Term Guideline Concentration (SGC) of 100 µg/m³ as a reference concentration equivalent since there is no current NJDEP established iodine reference concentration;
- an attachment is provided with the email transmitting this revised protocol to NJDEP that includes the requested Building Profile Input Program (BPIP) files and meteorological data used to support the modeling; and
- new figure (**Figure 4-4**) showing the location of sensitive receptor locations in the vicinity of the facility that will be considered in the analysis.

The dispersion modeling assessment will be conducted consistent with the U.S Environmental Protection Agency's (USEPA's) Guideline on Air Quality Models (USEPA 2017) and NJDEP's Technical Manual 1002 dispersion modeling guidance (NJDEP 2018). The dispersion modeling methodology will generally be the same used in the March 2019 health risk evaluation conducted in support of the facility's Operating Permit renewal (AECOM 2019) that was approved by NJDEP. Details of the proposed methodology are provided in the following sections of this protocol.

Note that preliminary modeling results are provided in this modeling protocol (Section 5) which indicate that all maximum modeled concentrations are below the health effects reference concentrations.

1.1 Organization of the Protocol

This protocol sets forth all requirements considered to be applicable to the air dispersion modeling impact analysis. The remaining sections of the protocol include:

Section 2 – Regulatory Review describes the basis for the health effects benchmark for iodine that will be used to evaluate the dispersion modeling results.

Section 3 – Source Description provides descriptions of site location, evaluated sources, applicable air pollution controls, stack parameters and emission rates.

Section 4 – Modeling Approach describes the proposed modeling approach and model selection.

Section 5 – Preliminary Modeling Results provides modeling results found using the described modeling approaches.

Appendix A provides the methodology used to develop the iodine emissions.

Appendix B provides all previous correspondence between Covanta and the NJDEP Division of Air Quality regarding the iodine plume events, as requested by NJDEP (NJDEP 2021).

2.0 Health Effects Criteria

2.1 Iodine

NJDEP's Risk Assessment Guidance (NJDEP 2018b) includes a list of air toxics for health risk assessment evaluation in its "Risk Screening Worksheet for Long-Term Carcinogenic and Noncarcinogenic Effects and Short-Term Effects" (NJDEP 2020b). However, iodine is not included in the Worksheet or in the list of Toxicity Values for Inhalation Exposure (NJDEP 2020c). Therefore, a review was conducted to identify available health benchmarks for iodine that can be used to assess potential inhalation health-risk associated with the maximum modeled concentrations.

The United States Department of Energy (DOE) has established Protective Action Criteria (PACs) that can be used to estimate the severity of the consequence of an uncontrolled release and for emergency planning purposes. The PAC-1 for iodine is 0.1 ppm (~1000 µg/m³) (DOE 2018). The PAC-1 value is based on Emergency Response Planning Guidelines (ERPGs) produced by the American Industrial Hygiene Association (AIHA) and represents a level which does not pose a health risk to the community, but which may be noticeable due to slight odor or mild irritation. (AIHA 2006).

The Occupational Safety and Health Administration (OSHA) has compiled a side-by-side comparison of selected occupation exposure limits in their Table Z-1 (OSHA 2020). Table Z-1 lists 0.1 ppm as a Ceiling Limit or short-term exposure limit (STEL) for iodine for each of the following:

- OSHA Permissible Exposure Limit (PEL);
- California Division of Occupational Health and Safety (Cal/OSHA) PEL;
- National Institute for Occupational Health and Safety (NIOSH) Recommended Exposure Limit (REL);
- American Conference of Governmental Industrial Hygienists (ACGIH) short-term exposure limit (STEL);

These Ceiling Limits or STELs should never be exceeded at any time during the workday and are applicable to a healthy working population rather than a potentially sensitive general population. However, Ceiling Limits and STELs can be adjusted to establish 1-hour exposure limits for the general public with application of an additional safety factor. For example, this methodology is used by The New York Department of Environmental Conservation (NYSDEC) in deriving their Short-Term Guideline Concentrations (SGCs), used to evaluate the potential health effects from air toxics¹. The NYSDEC SGC for iodine, 100 µg/m³, was derived from the iodine ACGIH Ceiling Limit (~1000 µg/m³) by dividing the concentration by an additional safety factor of ten (10) (NYSDEC 2016). The NYSDEC SGC for iodine (100 µg/m³) is proposed as an appropriate health benchmark to use in evaluating the potential health effect of iodine emissions from the Covanta Essex facility. Covanta understands the NJDEP is currently awaiting guidance from the Division of Science and Research to determine if use of the NYSDEC SGC is appropriate for use in the risk assessment.

¹ <https://www.dec.ny.gov/chemical/106667.html>; https://www.dec.ny.gov/docs/air_pdf/dar1.pdf

2.2 H₂SO₄

In accordance with NJDEP's request (NJDEP 2021), evaluation of the health effects due to potential H₂SO₄ exposure will use the acute hourly reference concentration of 120 µg/m³ from NJDEP's Toxicity Values for Inhalation Exposure (NJDEP 2020c).

2.3 HI

NJDEP's Toxicity Values for Inhalation Exposure (NJDEP 2020c) does not include HI. Therefore, similar to iodine, a review was conducted to identify available health benchmarks for HI that can be used to assess potential inhalation health-risk associated with the maximum modeled concentrations.

The DOE's PAC-1 for HI is 1 ppm (5.2 mg/m³) for evaluating acute exposure (DOE 2018). As mentioned above, the PAC-1 value represents a level which does not pose a health risk to the community, but which may be noticeable due to slight odor or mild irritation (AIHA 2006). Since no other health benchmarks for HI have been found, a concentration of 5.2 mg/m³ (5,200 µg/m³) is proposed for the health risk assessment for HI.

2.4 SO₂

In accordance with NJDEP's request (NJDEP 2021), modeled 1-hour SO₂ concentrations will be compared to the 1-hour SO₂ National Ambient Air Quality Standard (NAAQS) of 196 µg/m³.

3.0 Source Description

Covanta Essex's ECRRF is an energy-from-waste (EfW) facility with three (3) identically sized independent MWC units. The MWC units each vent out of their own flue from a single stack structure with a height of 279 feet above grade elevation. The ECRRF is a major source subject to air permitting under N.J.A.C. 7:27-22, Operating Permits, as well as a major source of HAPs.

The ECRRF produces high temperature, high-pressure steam from the combustion of solid waste. The steam is utilized to generate electricity at the facility for sale to Public Service Electric and Gas and for in-plant use. Municipal solid waste (MSW) delivery hours are twenty-four (24) hours per day, Monday through Saturday. The Facility is permitted to combust MSW twenty-four (24) hours per day, 7 days per week, up to a maximum of 985,500 tons of solid waste per year.

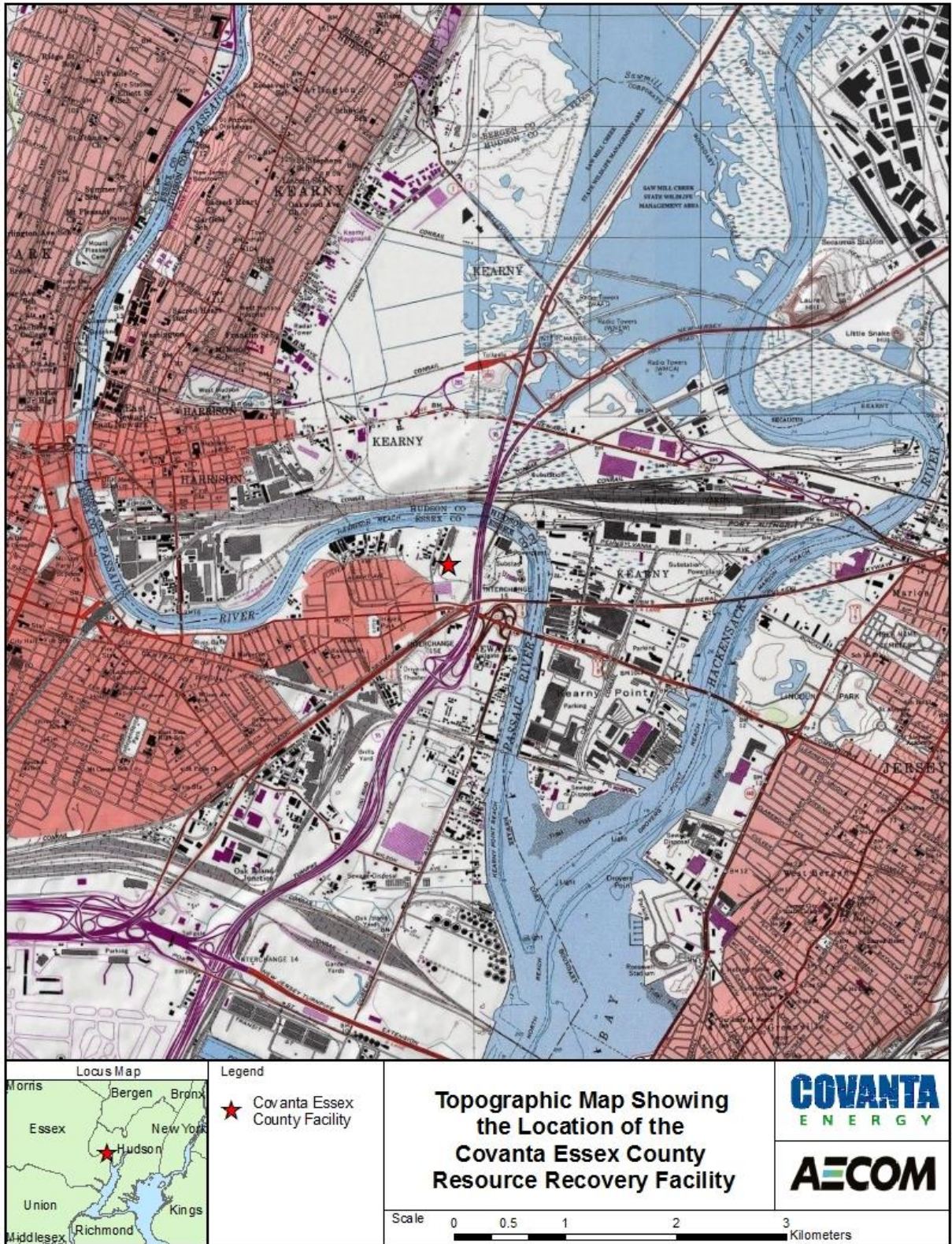
An original site plot plan of the ECRRF was provided with the 2019 risk assessment modeling report (AECOM 2019). There have been no changes to the site layout since the 2019 submittal. The various system operations are housed predominately in one main building structure consisting of: the tipping hall, the refuse storage bunker, the boiler building, the turbine-generator building, the residue processing facility, the residue bunker, and ferrous and non-ferrous metal storage areas, and the facility administrative offices. Auxiliary support buildings and equipment located separate from the main building structure include: the maintenance building, the induced draft fan control building, the air-cooled condensers, the air quality control systems, the scale house, the electrical switchyard, the activated carbon and lime storage silos, the aqueous ammonia storage tank, the raw water storage tank, the wastewater storage tank, the demineralized water storage tank, the condensate storage tank, and the No.2 fuel oil storage tank.

The three (3) MWC units for the combustion of waste, the generation of steam, and the handling of ash generated by the combustion process are the sources of HAPs at the facility. Each of the MWC units contains the following combustion equipment: a charging hopper which is loaded from the waste storage pit by overhead cranes, a feed chute, a ram feeder, roller grates, primary, secondary, and low NOx air systems, auxiliary fuel oil burners, and flues and ducts. Each MWC unit also includes the following steam generation equipment: economizer, main steam drum, the waterwalls (water-filled tubes that line the combustion chamber), a bank evaporator, a superheater, a spray attemperator, safety valves and blowdown tanks. The superheated steam produced at the facility is passed through two (2) turbine-generators to produce electricity. Each turbine-generator is rated at 36 megawatts ("MW"), for a total generating capacity of approximately 72 MW.

The ECRRF is located at 183 Raymond Boulevard, off of U.S. Routes 1/9 and the New Jersey Turnpike, in Newark, NJ (Essex County), as shown on **Figure 2-1**.

The subject of this modeling analysis is to conduct a health impact assessment of iodine emissions associated with plume opacity events that occurred on eleven days from January 2019 to February 2020.

Figure 3-1 Location of the Covanta Essex County Resource Recovery Facility



3.1 Iodine Emissions

Green Toxicology LLC analyzed continuous emissions monitoring system (CEMS) opacity data for fifteen (15) different plume opacity events related to iodine emissions that occurred over eleven (11) separate days (see **Table 3-1**). As documented in a technical memorandum prepared by Green Toxicology, see **Appendix A**, the iodine emission events were determined based on elevated % opacity values on a per-unit basis, and iodine emission rates were estimated from the measured opacity levels. For most of the eleven days, iodine emissions occurred from only one of the three units. However, four days included multiple events (iodine emissions from more than one unit). The Green Toxicology analysis developed 60-minute average emission rates for each event that will be used to model the events with the USEPA's AERMOD dispersion model. Further details regarding the development of the emission rates are provided in the documentation of the Green Toxicology analysis in **Appendix A**.

For each of the eleven "event days", 60-minute iodine emissions from all three units were summed to develop a total hourly emission rate from the stack for input to AERMOD. On days with more than one event (emissions occurring from more than one unit), it was conservatively assumed that any iodine emissions occurred during the same 60-minute period for all the units, even if the events were somewhat staggered and did not occur during the same hour.

Tables 3-1 and **3-2** present the hourly emission rates that will be modeled for each of the eleven event days.

3.2 Emissions of H₂SO₄, HI, and SO₂

Covanta has estimated the uncontrolled mass emission rates of H₂SO₄ and HI in accordance with guidance provided in NJDEP (2021), assuming that all inlet SO₂ reacted with iodine as I₂ for each of the eleven event days. The estimated mass emission rate at the economizer was determined from stack flue gas flow rates from the continuous flue gas flow rate monitor, the baghouse outlet flue gas temperature and actual SO₂ concentration at the economizer outlet. These estimated rates are most likely on the high side because the stack flue gas rate, normalized to standard conditions, includes an indeterminate amount of air in-leakage. The H₂SO₄ mass rates at the economizer outlet assumes 100 % conversion of SO₂ to H₂SO₄. The HI mass rates at the economizer outlet assumes 100 % conversion of I₂ to HI with the I₂ mass rate being a 1:1 molar ratio with SO₂ to enable the reduction of SO₂.

3.3 MWC Stack Parameters

As noted, the ECRRF stack contains three (3) flues (each with a diameter of 7.54 feet), one for each MWC unit, that are housed in a single stack. **Table 3-1** (per unit data) and **3-2** (combined stack data) presents the stack parameters that will be modeled. The modeled diameter is based on the equivalent diameter corresponding to the number of units/flues operating during each event. The modeled stack exit velocity was calculated based on the equivalent diameter and the sum of the exhaust flow rates from each flue for the corresponding 60-minute opacity event. The modeled stack temperature was based on the flow-weighted average temperature using the average flow rate for each flue for the 60-minute event. Exhaust flow rate and temperature data for each event were obtained from the CEMS for each of the units (Covanta Essex 2020).

Note that in addition to the combined stack parameters and emissions rate to be modeled, **Table 3-2** also indicates the corresponding time period/hours of the associated meteorological data with the observed opacity events/iodine emissions. The model will be applied with the hourly emission rates and meteorological data specific to these hours, and the highest model result will be used to evaluate the impacts.

Table 3-1 Per Unit Stack Parameters and Emission Rates for Iodine Emission Event Days

DATE	1/14/2019	1/28/2019	5/2/2019	6/3/2019	6/16/2019	6/19/2019	6/24/2019	8/7/2019	9/20/2019	10/10/2019	2/5/2020
Unit 1 Flue Data											
60-min Event Start Time	OFFLINE	(3)	(2)	(2)	4:03	13:00	5:08	(3)	(3)	14:46	18:52
Avg Outlet Temp During Event (Deg F)	OFFLINE	301.9	299.4	284.7	300.0	303.3	295.3	299.2	305.8	297.5	311.6
Avg Flowrate During Event (ACFM)	OFFLINE	241074.3	230782.9	201627.1	201881.5	225614.9	236495.4	214730.1	237762.8	188519.7	199476.0
60-min Emission Rate (g/sec)	0	0	0	0	4.4	4.1 ⁽⁶⁾	8.6	0	0	12.4	3.7
Unit 2 Flue Data											
60-min Event Start Time	17:12	(3)	15:53	19:29	(1)	12:24	1:15	(3)	(3)	(1)	(1)
Avg Outlet Temp During Event (Deg F)	314.2	313.2	299.8	298.5	303.5	306.7	301.7	296.8	307.0	306.4	297.7
Avg Flowrate During Event (ACFM)	227413.5	259666.5	179571.7	150942.5	193995.7	204844.8	186399.9	234728.1	227034.1	240873.4	239980.9
60-min Emission Rate (g/sec)	7.2	0	4.8	11.4	0	27.0	6.4	0	0	0	0
Unit 3 Flue Data											
60-min Event Start Time	16:10	17:25	(2)	18:56	(1)	12:28	(1)	9:40	18:04	(1)	OFFLINE
Avg Outlet Temp During Event (Deg F)	315.9	303.2	301.2	291.5	297.8	301.8	300.6	288.5	298.0	303.1	OFFLINE
Avg Flowrate During Event (ACFM)	252503.6	223254.1	231412.2	200801.5	251624.4	239079.4	239766.6	231822.8	235187.8	236553.4	OFFLINE
60-min Emission Rate (g/sec)	8.2	15.2	0	7.2	0	23.0	0	6	6	0	0
Combined Stack Data (3 merged flues)											
Total Emissions (g/sec)	15.4	15.2	4.8	18.6	4.4	54.1	15.0	5.5	5.8	12.4	3.7
Stack Temp ⁽⁴⁾ (Flow-Weighted, F)	315.1	306.3	300.2	290.9	300.2	303.8	299.0	294.7	303.6	302.7	304.0
Total Flow (ACFM)	479917.1	723994.9	641766.8	553371.2	647501.6	669539.2	662661.9	681280.9	699984.7	665946.6	439456.9
Exit Velocity ⁽⁵⁾ (ft/sec)	89.62	90.08	79.85	68.85	80.56	83.30	82.45	84.77	87.09	82.86	82.07
Equivalent Diameter ⁽⁵⁾ (ft)	10.66	13.06	13.06	13.06	13.06	13.06	13.06	13.06	13.06	13.06	10.66

Notes:

- (1) No emissions attributable to iodine occurred from this unit. However, since it was operating, the gas flow and flue gas temperatures were accounted for in the calculations of the exit velocity and stack temperature for the combined stack. Gas flow and temperature data correspond to the **Unit 1** event 60-min. period.
- (2) No emissions attributable to iodine occurred from this unit. However, since it was operating, the gas flow and flue gas temperatures were accounted for in the calculations of the exit velocity and stack temperature for the combined stack. Gas flow and temperature data correspond to the **Unit 2** event 60-min. period.
- (3) No emissions attributable to iodine occurred from this unit. However, since it was operating, the gas flow and flue gas temperatures were accounted for in the calculations of the exit velocity and stack temperature for the combined stack. Gas flow and temperature data correspond to the **Unit 3** event 60-min. period.
- (4) Flow-weighted average temperature based on the average gas flow for each flue for the event duration.
- (5) Based on an equivalent stack diameter. Equivalent diameter represents the diameter with an exit area equivalent to the sum of the area of the operating flues. The value is based on 3 units operating (3 flues) for all days except for 01/14/2019 and 2/05/2020 when only 2 units were operating, and the equivalent diameter is based on 2 flues. Each flue diameter is 7.54 feet.
- (6) This event was not included in the Green Toxicology emissions report (see Appendix A) as Unit 1 did not experience an opacity excursion; however, since this was the worst-case event, it was conservatively assumed that iodine emissions from this unit were possible and emissions were estimated using the same methodology presented in Appendix A.

Table 3-2 H₂SO₄, HI, and SO₂ Emissions

Reference Information			Estimated Uncontrolled Emissions	
Date	Unit	SO ₂ ⁽¹⁾ lb/min	H ₂ SO ₄ ⁽²⁾ lb/min	HI ⁽³⁾ lb/min
01/14/2019	U2	0.45	0.68	0.91
	U3	1.17	1.75	2.35
01/28/2019	U3	1.08	1.62	2.18
05/02/2019	U2	2.03	3.05	4.09
06/03/2019	U2	1.74	2.61	3.50
	U3	1.10	1.65	2.22
06/16/2019	U1	1.51	2.27	3.04
06/19/2019	U2	1.02	1.53	2.05
	U3	0.94	1.41	1.89
06/24/2019	U1	1.15	1.73	2.32
	U2	0.89	1.34	1.79
08/07/2019	U3	1.61	2.42	3.24
09/20/2019	U3	1.53	2.30	3.08
10/10/2019	U1	1.58	2.37	3.18
02/05/2020	U1	0.56	0.84	1.13

Notes:

(1) SO₂ mass emission rate as lb/min estimated from stack flue gas flow rate monitor, baghouse outlet temperature and CEM 1-minute values for 30 minutes before a plume event started.

(2) Sulfuric acid mist mass emission rate as lb/min assumes all SO₂ converted to H₂SO₄.

(3) HI emission rate based on 1-lb-mole of I₂ for every lb-mole of SO₂ with all I₂ converted to HI.

Table 3-3 Combined Stack Data for Input to AERMOD

Event Date	Event Start Time ⁽¹⁾	Meteorological Hours Modeled ⁽²⁾ (Hr 1, Hr 2)	Iodine Emission Rate (g/sec)	H ₂ SO ₄ Emission Rate (g/sec)	HI Emission Rate (g/sec)	SO ₂ Emission Rate (g/sec)	Stack Temp (K)	Exit Velocity (m/sec)
01_14_2019 ⁽³⁾	16:10 ⁽³⁾	17, 18, 19	15.4	12.2	24.6	18.4	430.4	27.3
1_28_2019	17:25	18, 19	15.2	8.2	16.5	12.2	425.6	27.5
5_2_2019	15:53	16, 17	4.8	15.3	30.9	23.1	422.1	24.3
6_3_2019	18:56	19, 20	18.6	21.5	43.2	32.2	417.0	21.0
6_16_2019	4:03	05, 06	4.4	11.4	23.0	17.2	422.2	24.6
6_19_2019	12:24	13, 14	54.1	14.4	30.2	21.9	424.2	25.4
6_24_2019	5:08	06, 07	15.0	15.4	31.1	23.2	421.5	25.1
8_7_2019	9:40	10, 11	5.5	12.2	24.5	18.3	419.1	25.8
9_20_2019	18:04	19, 20	5.8	11.6	23.3	17.4	424.0	26.5
10_10_2019	14:46	15, 16	12.4	11.9	24.0	17.9	423.6	25.3
2_5_2020	18:52	19, 20	3.7	4.2	8.5	6.4	424.3	25.0
Stack Height: 85.039 m								
Notes:								
(1) 24-hour time.								
(2) Meteorological hours run from 01-24 such that 0:00 = meteorological hour 01 and 23:00 = meteorological hour 24.								
(3) Three hours were modeled for this day to fully capture in the model the span of events that began and 17:12 and 16:10 for Units 2 and 3, respectively.								

4.0 Modeling Approach

Consistent with the 2019 health risk analysis, the USEPA's AERMOD dispersion model (version 19191) will be used to predict iodine concentrations ($\mu\text{g}/\text{m}^3$) for each of the event-days detailed in **Section 3.0**.

The suitability of an air quality dispersion model for a particular application is dependent upon several factors. For this study, four selection criteria were evaluated. The selection of AERMOD was based upon analysis of the following criteria:

- stack height relative to nearby structures;
- dispersion environment;
- local terrain; and
- representative meteorological data.

4.1 Good Engineering Practice (GEP) Stack Height Analysis

Good engineering practice (GEP) stack height is defined as the stack height necessary to ensure that emissions from the stack do not result in excessive concentrations of any air pollutant as a result of atmospheric downwash, wakes or eddy effects created by the source, nearby structures or terrain features. A GEP stack height analysis was conducted in 2018 with the USEPA's Building Profile Input Processor (BPIP) in accordance with USEPA's guidelines (USEPA, 1985). The location of the stack and buildings layout are shown in **Figure 4-1**. The GEP height for the modeled stack, H_{GEP} , was determined from the dimensions of all buildings which are within the region of influence:

$$H_{\text{GEP}} = H + 1.5L$$

where:

H = height of the structure within 5L of the stack which maximizes H_g , and

L = lesser dimension (height or projected width) of the structure.

For a squat structure, i.e., height less than projected width, the formula reduces to:

$$H_{\text{GEP}} = 2.5H$$

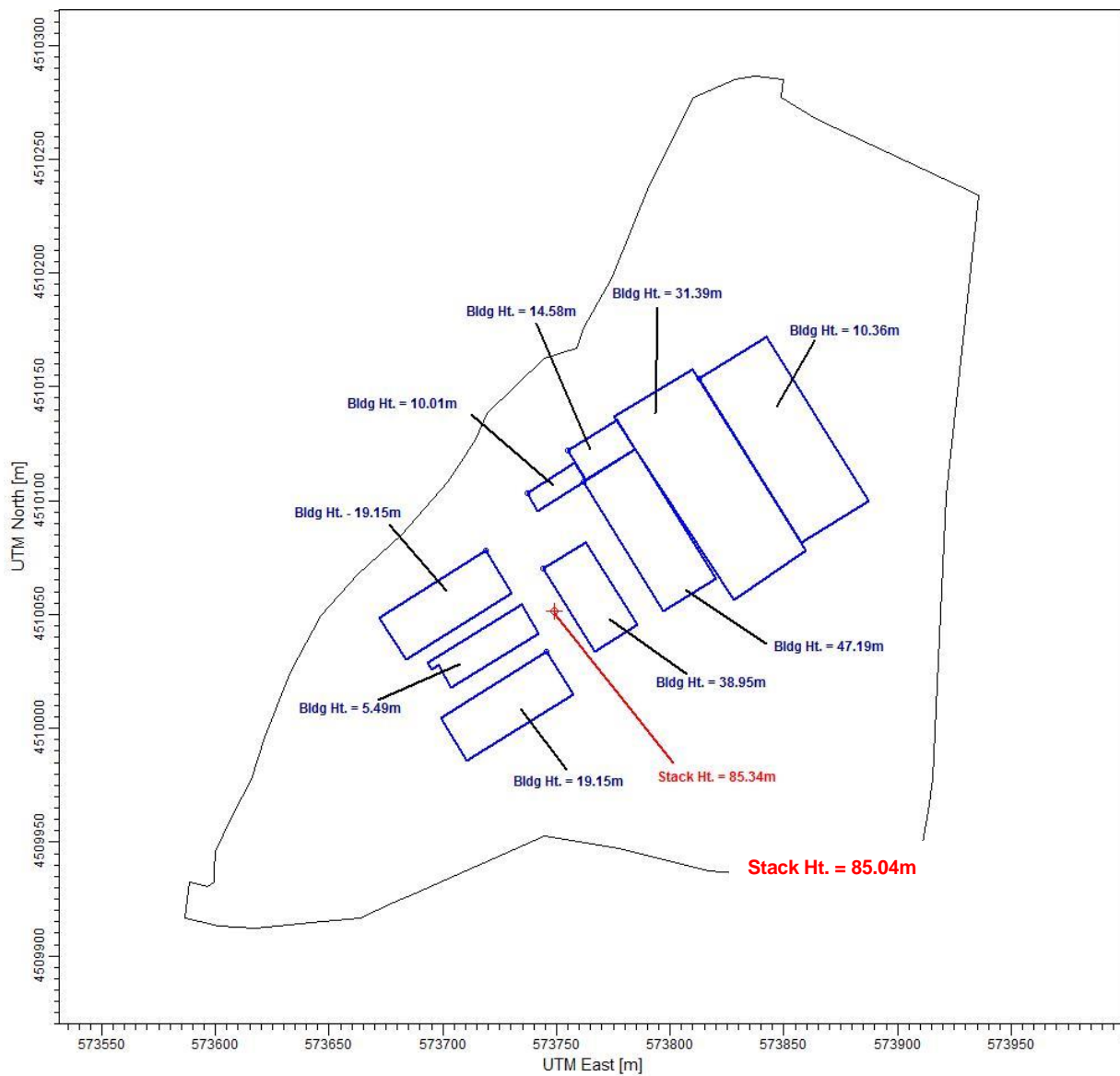
As required by AERMOD, the PRIME version of the BPIP program was employed. The direction-specific building dimensions generated by BPIP-PRIME for the 2018 risk analysis will be used to model the iodine emission events in AERMOD. **Table 4-1** details the overall GEP summary.

An electronic copy of the BPIP files is provided with the email transmission of this protocol as requested by NJDEP (2021).

Table 4-1 GEP Summary

Stack	Stack Height (m)	Building Height (m)	Maximum Projected Building Width (m)	Distance from Stack (m)	5L Distance (m)	Calculated Formula GEP Stack Height (m)
Combined 3 MWC Units	85.34	47.1 (Boiler Building)	66.48	41.0	235.5	118.02

Figure 4-1 GEP Figure



4.2 Dispersion Environment and Local Topography

The application of the AERMOD model requires characterization of the local (within 3 kilometers) dispersion environment as either urban or rural based on prevalent land use. According to USEPA modeling guidelines, if more than 50 percent of an area within a 3 kilometer radius of the proposed project is classified as rural, then rural dispersion coefficients are to be used in the dispersion modeling analysis.

Based on land-use information provided on United States Geological Survey (USGS) topographic maps and recent aerial photography, the area within 3 kilometers of the ECRRF is considered urban. Therefore, the urban option will be used in the application of AERMOD. Note that the urban option was also used in the air toxics modeling conducted in the 2019 (AECOM 2019). The population value to be used in AERMOD will be the 2019 population for Newark, NJ of 282,011 (U.S. Census Bureau 2020)

4.3 Meteorological Data

While the NJDEP typically provides applicants with AERMOD-ready meteorological data for use in dispersion modeling analyses, they have not yet processed a dataset that covers the 2019-2020 event periods. Therefore, the data was processed specifically for this modeling analysis to prepare the meteorological data concurrent with the plume opacity/iodine emission events that will be modeled. Surface data from the National Weather Service (NWS) at Newark International Airport, NJ, and concurrent mixing heights from Brookhaven, NY were processed with AERMET (version 19191) using methods and model options consistent with NJDEP processing of 2013-2017 meteorological data (NJDEP 2020d).

AERSURFACE was run for dry moisture conditions using inputs that match those in files provided by NJDEP to develop the surface characteristics required for input to AERMET Stage 3. For average and wet moisture conditions, AERSURFACE output obtained from NJDEP was used in AERMET Stage 3. Additional Stage 3 AERMET options were set equal to those in the 2017 file provided by NJDEP. AERMET was then run for each of the three moisture conditions, resulting in three sets of AERMOD-ready meteorological files.

Modeling of each of the iodine emissions events used the meteorological data set that corresponded to the moisture conditions for the month containing the event. A month was classified as either average, wet, or dry by comparing the monthly precipitation to the 30-year average in accordance with USEPA guidance (USEPA 2020). A summary of the meteorological data set selected for modeling each of the iodine emissions events, as well as all the files used in the AERMET processing, is provided as an attachment accompanying the email transmission of this protocol to NJDEP.

The intent of the analysis is to model the hourly emission rate using meteorological data concurrent with the 60-minute event. However, because AERMOD can only estimate hourly concentrations for 60-minute periods beginning and ending at the top of the hour, the two consecutive “meteorological hours” that encompass each 60-minute iodine emission event will be modeled to determine the worst-case 1-hour modeled concentration. **Table 3-2** lists the two hours that will be modeled.

4.4 AERMOD Receptors

The same Cartesian receptor grid used in the 2018 health risk analysis will also be used to model the iodine emissions events. The grid consists of the following receptor spacing:

- Along the property boundary with 20 meters spacing;
- From the property boundary to 1 km with 70 meters spacing;

- From 1 km to 2 km with 100 meters spacing;
- From 2 km to 3 km with 250 meters spacing;
- From 3 km to 5 km with 500 meters spacing;
- From 5 km to 10 km with 1,000 meters spacing; and
- From 10 km to 20 km with 2,000 meters spacing.

Receptor height scales at each receptor location were developed for the 2018 analysis using AERMAP (version 18081), the terrain preprocessor for AERMOD. The receptor coordinates are referenced to North American Datum (NAD) 1983. The receptor grid is shown in **Figures 4-2** and **4-3**.

In addition to a Cartesian receptor grid, sensitive receptors consisting of the nearest residences, parks, schools, hospitals, and nursing homes will also be modeled. **Figure 4-4** provides the locations that will be included in the modeling.

Figure 4-2 Near-Field Receptor Grid

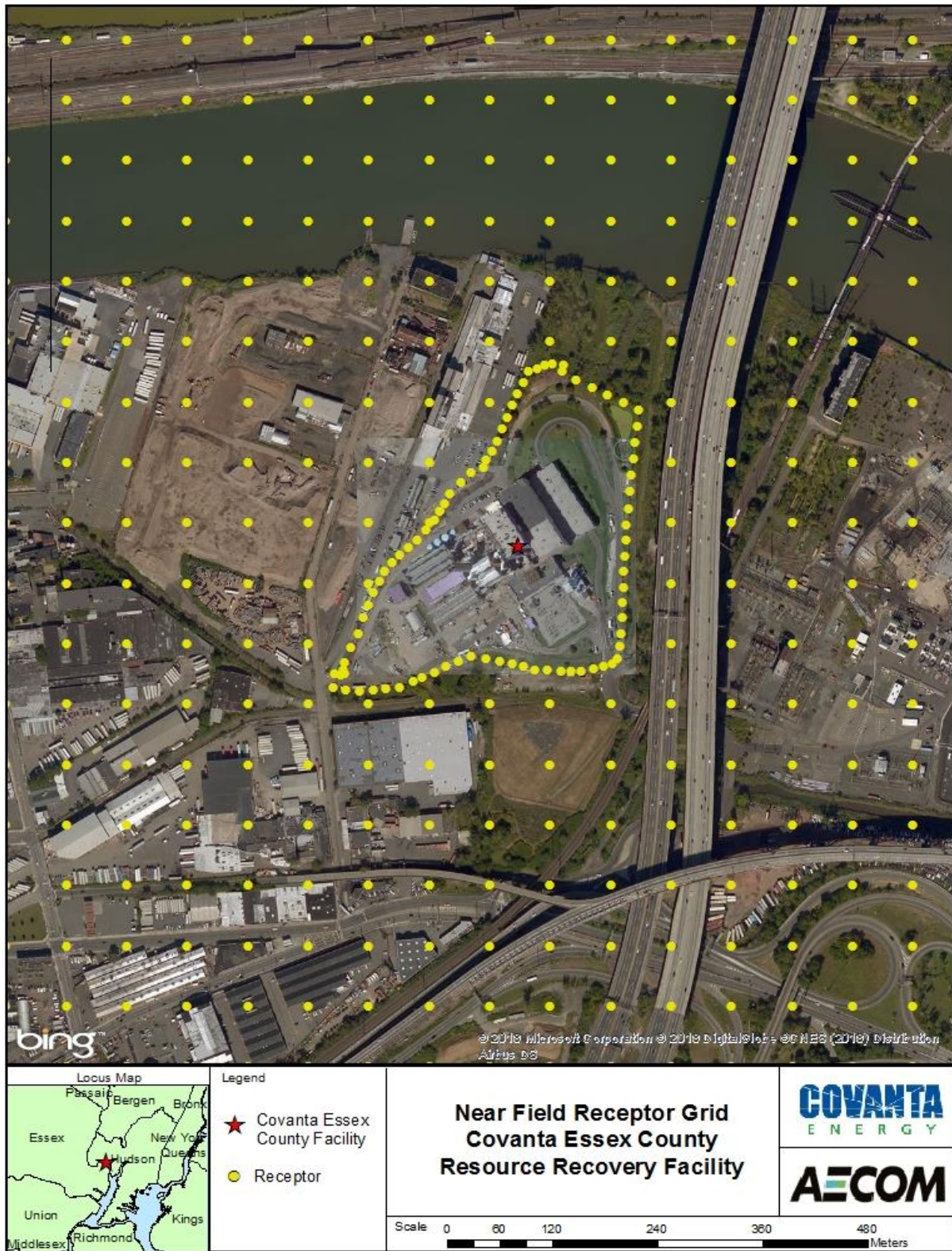


Figure 4-3 Far-Field Receptor Grid

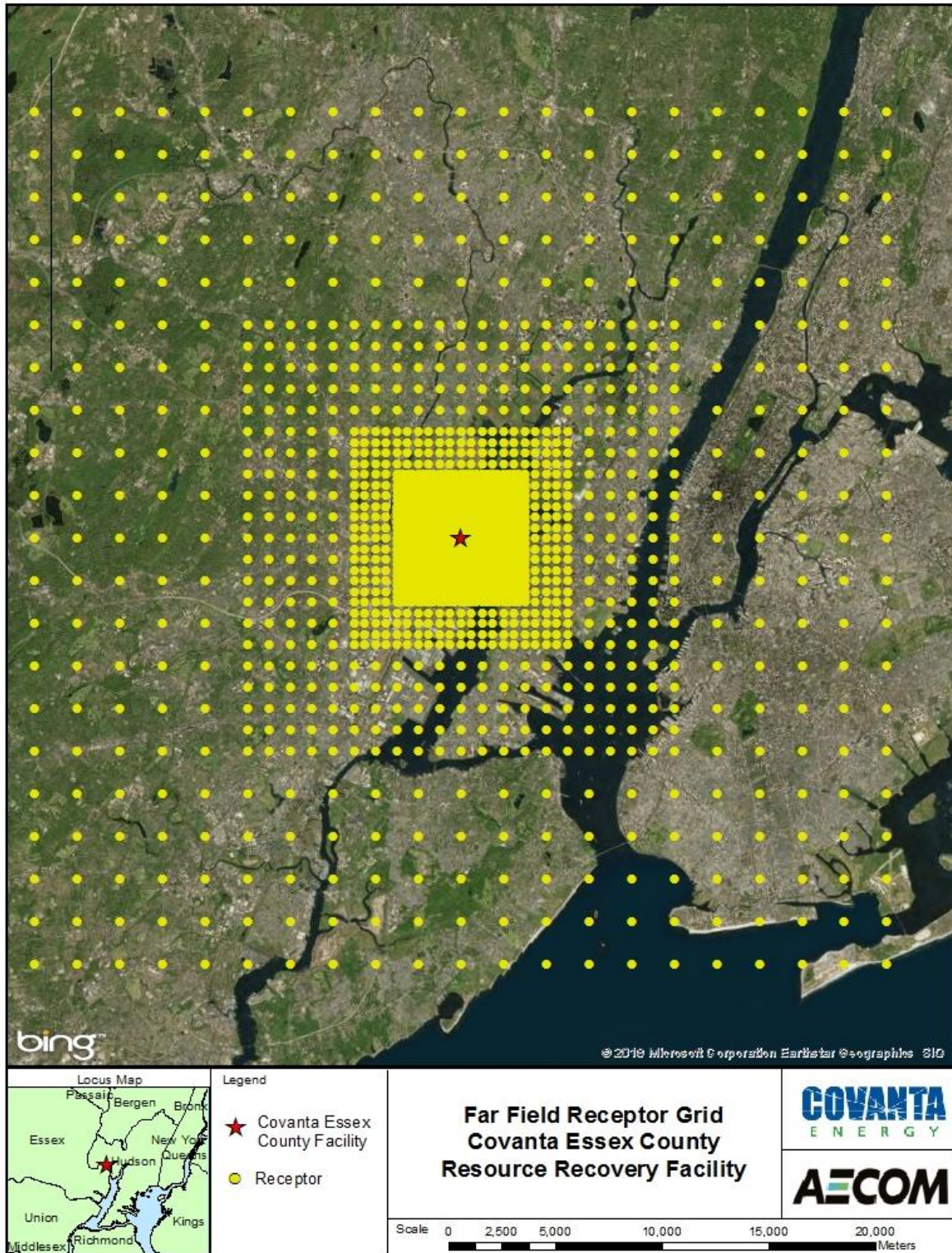
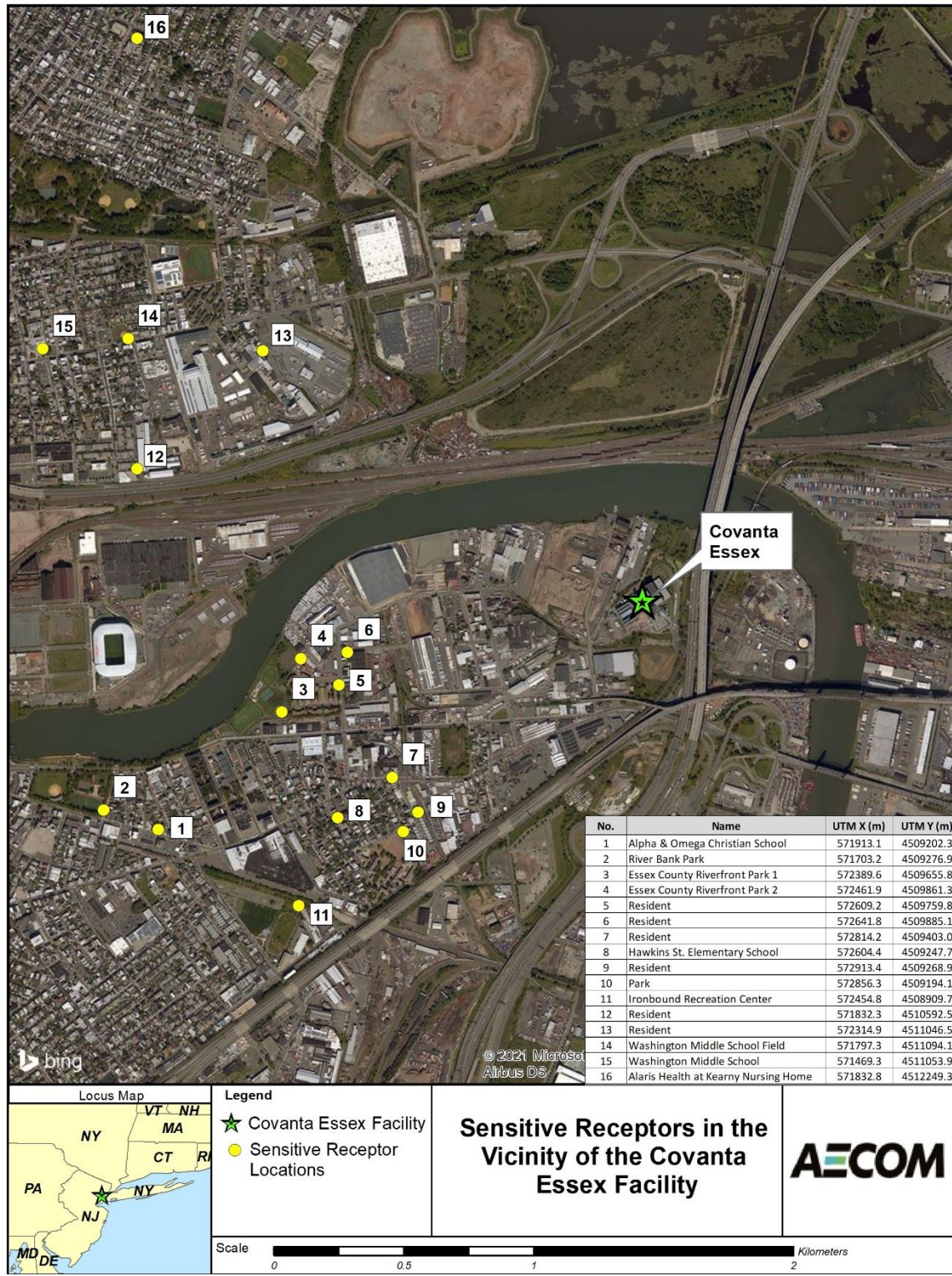


Figure 4-4 Sensitive Receptors in the Vicinity of the Covanta Essex Facility



5.0 Preliminary Modeling Results

AERMOD was applied for each event day/meteorological period with the corresponding source parameters and emission rates listed in **Table 3-2**. The preliminary maximum concentrations modeled over all offsite receptors associated with each event are summarized in **Table 5-1**. The maximum concentrations overall events are summarized in **Table 5-2** for comparison with the health benchmarks. All preliminary maximum concentrations are below the health benchmarks.

Table 5-1 Preliminary Modeling Results

Date	AERMOD Hours Modeled	Modeled X/Q Concentration ⁽¹⁾ (µg/m ³)				Maximum 1-Hour Concentration ⁽²⁾ (µg/m ³)			
		Hour 1	Hour 2	Hour 3	MAX	Iodine	H ₂ SO ₄	HI	SO ₂
01_14_2019	17, 18, 19	0.19	0.17	0.27	0.27	4.21	5.02	6.74	3.35
01_28_2019	18, 19	0.11	0.14	NA	0.14	2.06	1.66	2.24	1.11
05_02_2019	16, 17	0.24	0.32	NA	0.32	1.55	7.44	10.0	4.95
06_03_2019	19, 20	0.09	0.09	NA	0.09	1.72	2.98	4.00	1.98
06_16_2019	05, 06	0.14	0.10	NA	0.14	0.59	2.32	3.10	1.54
06_19_2019	13, 14	0.26	0.23	NA	0.26	13.9	5.61	7.74	3.68
06_24_2019	06, 07	0.13	0.44	NA	0.44	6.61	10.2	13.7	6.80
08_07_2019	10, 11	0.34	0.43	NA	0.43	2.35	7.83	10.5	5.21
09_20_2019	19, 20	0.18	0.15	NA	0.18	1.04	3.11	4.16	2.07
10_10_2019	15, 16	0.40	0.59	NA	0.59	7.29	10.5	14.1	7.02
02_05_2020	19, 20	0.19	0.17	NA	0.32	1.19	2.05	2.75	1.36
MAX						13.9	10.5	14.1	7.02

Notes:

(1) Modeled concentration per g/sec emission rate.

(2) Maximum modeled X/Q concentration over all hours multiplied by total pollutant emission rate for the date as shown in Table 3-2.

Table 5-2 Maximum Modeled Concentration Compared to Inhalation Risk Benchmarks

Pollutant	Maximum 1-hour Concentration ($\mu\text{g}/\text{m}^3$)	Inhalation Risk Benchmark ($\mu\text{g}/\text{m}^3$)	% of Benchmark	Benchmark Reference
Iodine	13.9	100	14%	NYSDEC
H ₂ SO ₄	10.5	120	9%	NJDEP
HI	14.1	5,200	0.3%	PAC-1
SO ₂	7.02	196	4%	NAAQS

6.0 References

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Appendix A

Green Toxicology Report



Green Toxicology LLC

Memorandum

To: Brian Bahor and Gary Pierce, Covanta
From: Edmund A.C. Crouch, Ph.D.
Date: June 25, 2020
Subject: Iodine emissions to ambient air from the Covanta Essex Resource Recovery Facility

Introduction

The Covanta Essex resource recovery facility has experienced multiple episodes of atmospheric releases of iodine in sufficient quantities to cause purple colored plumes, with corresponding opacities measured at up to 50% over brief time-intervals. I have evaluated the levels of iodine emissions required to cause the measured increases in opacity, based on measurements of iodine optical-absorption cross-section and characteristics of the opacity monitors, combined with minute-by-minute continuous emission monitor readings of stack gas characteristics (opacity, temperature, and flow rate).

Estimation of iodine emissions based on stack gas characteristics

Methodology

Emissions of iodine are estimated by realizing that iodine vapor absorbs light in the wavelength range monitored by the opacity-measuring continuous emission monitor (CEM). Literature studies on the absorption of light by iodine vapor are used to construct a relationship between light extinction and the concentration of iodine in stack-gas as a function of light wavelength and temperature. This relationship in turn is used in conjunction with the specific light characteristics of the opacity CEM to derive a relationship between CEM opacity measurement, temperature, and the concentration of iodine in stack gas. This relationship is then used to infer stack-gas concentrations of iodine from recorded CEM measurements of opacity and temperature. Subsequent multiplication of the concentrations by flowrates results in estimates of mass emission rates.

Extinction coefficient for iodine vapor

The wavelength dependence of the extinction coefficient (equivalently, the absorption cross-section) for iodine vapor at room temperature (295 K) and in air at atmospheric pressure has been accurately measured by Saiz-Lopez et al. (2004) at high resolution in the relevant wavelength interval (Figure 1). These measurements clearly resolve the band structure, and



agree¹ reasonably well on average with earlier lower-resolution measurements at room temperature (extrapolated to zero pressure) by Tellinghuisen (1973; see Figure 1), and with earlier work. Sulzer and Wieland (1952) also provide lower resolution measurements at temperatures of 423 K, 873 K, and 1323 K, together with a theoretical analysis of the major contributing component to the extinction coefficient in the relevant wavelength range. This theoretical analysis omits various smaller contributions (e.g. providing the band structure) but allows extrapolation between temperatures and provides a smooth interpolation across the band structure — see the curves shown as “Theory” in Figure 1. The Sulzer and Wieland (1952) curve shape for the extinction (absorption) coefficient ε as a function of wavelength λ and temperature T is given by:²

$$\varepsilon(T, \lambda) = \varepsilon_0 \left(\frac{\lambda_0}{\lambda} \right)^2 \sqrt{\tanh\left(\frac{\theta}{2T}\right)} \exp\left\{-\tanh\left(\frac{\theta}{2T}\right) \left(\frac{1/\lambda - 1/\lambda_0}{1/\Delta\lambda} \right)^2\right\}$$

where λ is the wavelength and T is the absolute temperature. Fitting the Saiz-Lopez et al. (2004) data (minimizing the sum of squared differences for all points measured between 450 and 630 nm) gives the constants:

$$\begin{aligned} \varepsilon_0 &= 278.54 \text{ m}^2 \text{ mole}^{-1} \\ \lambda_0 &= 529.67 \text{ nm} \\ \Delta\lambda &= 8654.6 \text{ nm} \\ \text{with } \theta &= 308.62 \text{ K based on Sulzer and Wieland (1952).}^3 \end{aligned}$$

Opacity meter response

The wavelength-dependence of the opacity meter responses in Units 1, 2, and 3 are provided at the 10 nm intervals measured as part of the standard quality control procedures for these instruments (all units use Lighthawk 560 Continuous Monitoring Systems, Teledyne Monitor Labs, 2006a, b, c). The measurements were performed on representative samples from the manufacturing production runs, not on the installed instruments themselves; the same sample was used for the Unit 1 and 2 instruments, with a different (later) sample for Unit 3. The LED

¹ The agreement shown in Figure 1 is not as good as that indicated by Saiz-Lopez et al. (2004) in their paper, but I have not been able to locate the discrepancy. This agreement requires assuming that all earlier workers reported extinction coefficients with units based on moles of atomic iodine, rather than the moles of iodine vapor shown in Figure 1.

² This curve is a Gaussian on a frequency scale. It is written here on the wavelength scale of Figure 1.

³ θ has a theoretical interpretation, but changes in its value simply change the estimated values for the other constants without affecting the curve fit.



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light source should provide a smooth spectrum (with no narrow band structure or peaks), so interpolation of these measurements (shown on Figure 1) should be accurate. Six point Lagrange interpolation to 0.5 nm intervals was used for the Unit 1 and 2 response, and four point for the Unit 3 response.⁴ Figure 1 shows that the opacity CEM response matches the absorption characteristics of iodine vapor well, so CEM measurements should be sensitive to sufficiently high iodine concentrations.

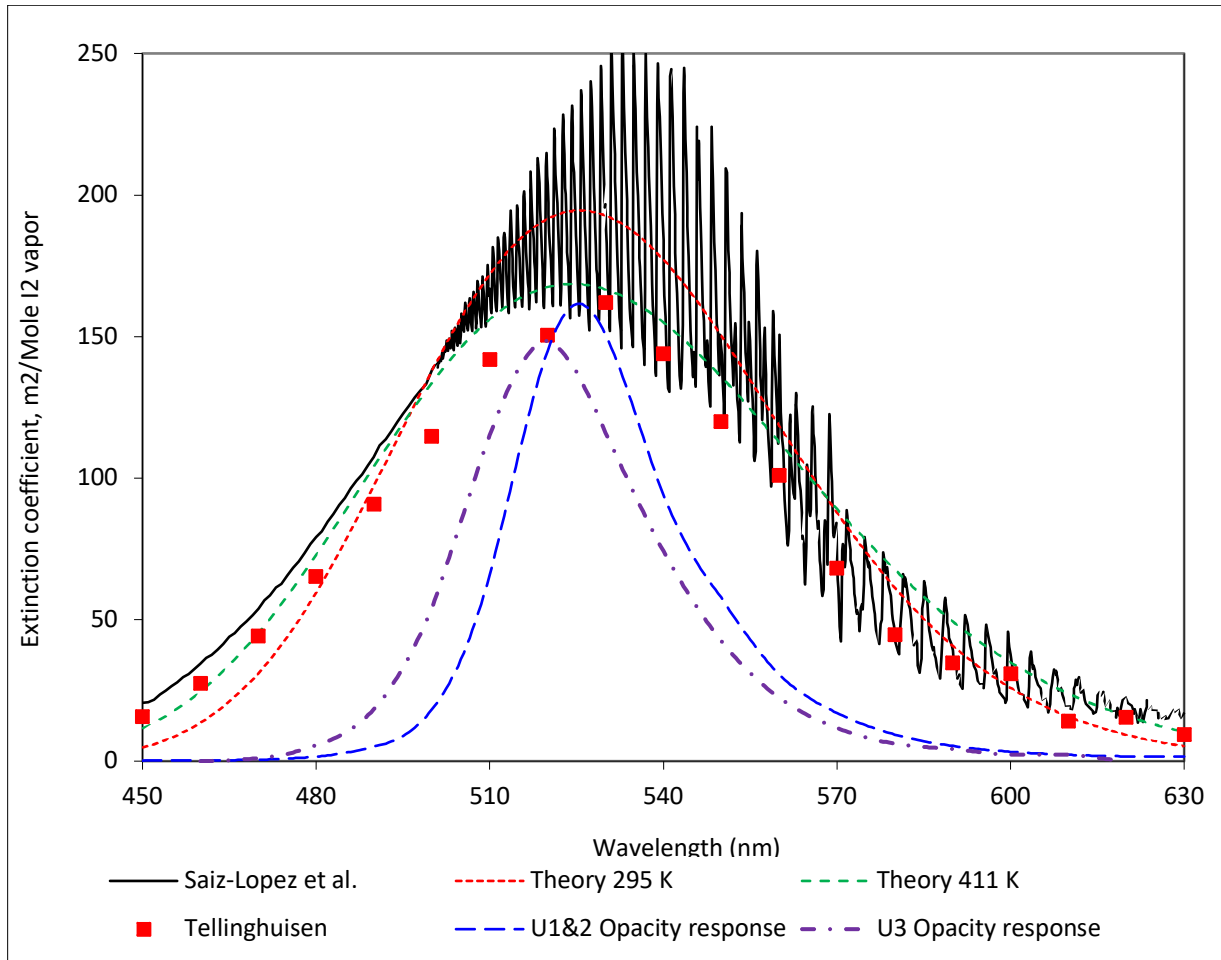


Figure 1 Extinction coefficient for I_2 vapor at 295 K, theoretical curve (see text) at 295 K and 411 K, and the opacity meter responses in Units 1, 2, and 3 (arbitrary units, but with equal areas under the curves).

⁴ The overall response was given at 10 nm intervals from 360 to 750 nm for units 1 and 2, although the response was less than 1% of the maximum outside the range 480 to 630 nm. For unit 3, the overall response was given as zero outside the range 470 to 610 nm. The different interpolation orders were chosen to give smooth transitions at the end-points of the useful ranges, and variations in interpolation order have negligible effect on the result.





Overall opacity sensitivities to iodine vapor

The sensitivities of the opacity meter to iodine vapor were obtained by convolving the opacity meter responses with the extinction coefficient for iodine at the temperature of the stack gas. With the opacity meter responses shown, the band structure in the extinction coefficient will be averaged, and suitably accurate estimates may be obtained by using the smooth approximate theoretical curves of Sulzer and Wieland (1952). These theoretical curves match the average extinction coefficient over the wavelength range of the opacity meter response with reasonable accuracy at 295 K, and have the advantage of allowing extrapolating to higher temperatures (where the height and width of the curve and the band structure are all modified). Performing these convolutions⁵ for stack temperatures in the range of 250 °F to 350 °F gives the wavelength integrated extinction coefficients (absorptivities) shown in Figure 2. The curves are quadratic fits to values calculated at 5 °F intervals, which values deviate negligibly from these curves.

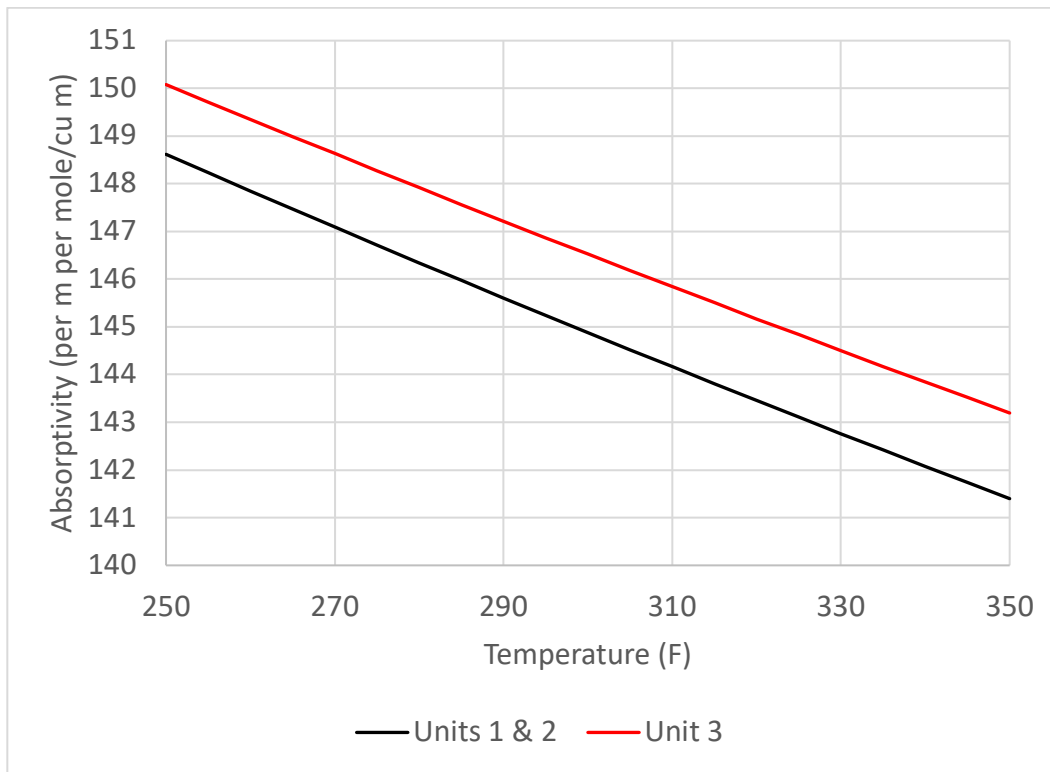


Figure 2 Wavelength integrated extinction coefficients (absorptivities) for Units 1, 2, and 3.

⁵ Numerical convolution at 0.5 nm wavelength intervals using the trapezoidal rule.



Calculation of iodine emission rates

Iodine emission rates E (grams/second) were estimated from the stack gas opacity K (%), wavelength integrated extinction coefficient $H(T)$ (m^2/mole from Figure 2) at the stack temperature T ($^{\circ}\text{F}$), and the stack flow rate (actual) V (m^3/sec), using

$$E = \frac{-\ln(1 - (K - C)/100)}{LH(T)} VM$$

where C (%) is a cut-off opacity to account for drift of the opacity meter and background opacity from other materials, L (m) is the opacity meter optical path length through the stack gas (2.337 m for Units 1 and 2, 2.318 m for Unit 3), and M is the molar weight of diatomic iodine vapor (253.81 g/mole). All opacity-values above the cut-off C were assumed to be due to iodine.

Results

Total emissions and maximum emission rates

A total of 15 emission events were modeled, each one consisting of one or more peaks of opacity over periods extending up to several hours, with summary results shown in Table 1 for total mass of iodine emitted during the day, and maximum emission rates averaged over 1 minute, 15 minutes, and 1 hour, and the initial minute for the given maximum.⁶ The cut-off opacity selected for each event was estimated empirically by selecting a value that just suppressed any estimate of emissions outside the event in an approximately 24-hour period containing the event. The selections were made by visual observation of graphs of opacity and emission estimates (see appendix). The various estimates are probably uncertain to at least 10% due to the limited precision of the opacity meters, which report opacity to 0.1%, and the potential drift of these meters such that positive opacity may be reported as 0% (see, for example, the lack of a longer tail to the opacity and emission curve for the event in Unit 2 on 05-02-19). In addition, there is an uncertainty of unknown size in the theoretical analysis above, in that it has not been tested empirically; such uncertainty could be evaluated by injection of iodine in known quantities into the stack gas after the baghouse and measuring the resulting opacity.

⁶ Note that the U2 01-14-19 times look a little odd compared with the rest, but examination of the figure for that case makes the reason clear — the initial spike in concentration gives the highest 1 and 15 minute averages, but the more sustained but lower later peaks give the highest 1 hour average.



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Unit & date	Total emissions (kg)	Maximum emission rate averages (grams/second)			Time of initial minute for given maximum			Cutoff (%)
		1 min	15 min	60 min	1 min	15 min	60 min	
U1 02-05-20	34.8	7.9	6.4	3.7	19:04	18:56	18:52	1.6
U1 06-16-19	34.2	9.7	7.9	4.4	04:13	04:11	04:03	0.5
U1 06-24-19	32.6	53.2	26.4	8.6	05:20	05:15	05:08	0.9
U1 10-10-19	45.8	35.8	25.3	12.4	14:52	14:49	14:46	0.0
U2 01-14-19	49.3	16.5	12.8	7.2	16:24	16:18	17:12	0.0
U2 05-02-19	17.5	9.7	8.2	4.8	16:08	16:06	15:53	0.0
U2 06-03-19	82.0	33.3	21.6	11.4	20:57	19:38	19:29	0.0
U2 06-19-19	157.9	61.8	46.6	27.0	12:48	12:45	12:24	0.0
U2 06-24-19	38.9	10.8	9.3	6.4	01:35	01:25	01:15	0.0
U3 01-14-19	30.7	24.9	19.8	8.2	16:24	16:19	16:10	0.7
U3 01-28-19	75.1	28.0	23.4	15.2	18:16	18:12	17:25	0.4
U3 06-03-19	35.1	19.1	13.1	7.2	19:07	18:59	18:56	1.2
U3 06-19-19	139.6	56.8	37.3	23.0	12:58	12:55	12:28	0.9
U3 08-07-19	21.0	8.8	8.0	5.5	10:00	09:54	09:40	2.2
U3 09-20-19	31.1	13.4	9.3	5.8	18:15	18:12	18:04	0.0

Table 1 Summary results of emission modeling for 15 iodine emission events

I understand that these emission rates will be translated via air dispersion modeling into estimated impacts to ambient air, and hence to estimated risks to public health.

Graphs of opacity and emission rate estimates versus time for these events are included in the appendix.

Conversion of opacity reading to iodine volume mixing ratio

Using the methodology described allows a calculation of the iodine volume mixing ratio (measured in ppm) in the stack gas based on the opacity reading, as follows.

Let

K = opacity reading (%)

C = background or drift of opacity meter (%)

T = baghouse outlet temperature (°F)

P = iodine ppm in stack gas

For high accuracy (<1% of ppm estimate as calculated by the methodology):

$$P = 103.5 \times (-\ln(1 - (K - C)/100)) \times (1 + 0.0018 \times (T - 300))$$





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For medium accuracy (<5% of ppm estimate up to 60% opacity)

$$P = 1.0 \times (K - C) \times (1 + 0.009 \times (K - C)) \times (1 + 0.0018 \times (T - 300))$$

For an easy to calculate estimate with less accuracy (<10% of ppm estimate as calculated by the methodology)

$$P = 1.07 \times (K - C) \quad \text{for} \quad (K - C) \leq 10.5\%$$

$$P = -2.71 + 1.32 \times (K - C) \quad \text{for} \quad 10.6\% \leq (K - C) \leq 35.5\%$$

$$P = -25.9 + 1.98 \times (K - C) \quad \text{for} \quad 35.6\% \leq (K - C) \leq 60\%$$

These apply within the stated accuracy for all three units for $250 < T < 350$ °F (the slight difference in LED light sources is almost exactly cancelled by the slight difference in light path length).

References

Saiz-Lopez A, Saunders RW, Joseph DM, Ashworth SH, Plane JMC. 2004. Absolute absorption cross-section and photolysis rate of I₂. *Atmos Chem Phys* 4(5):1443–1450.

Sulzer von P, Wieland K. 1952. Intensitätsverteilung eines kontinuierlichen Absorptionsspektrums in Abhängigkeit von Temperatur und Wellenzahl. *Helv Phys Acta* 25(6):653–676. [In German].

Teledyne Monitor Labs Inc. 2006a. Manufacturer's certificate of conformance with design specifications per 40CFR60, Appendix B, Performance Specification 1, Published August 2000. LightHawk 560 Continuous Monitoring System (COMS). For Covanta Energy, Unit 1, Serial Number: 5602654. August 2014.

Teledyne Monitor Labs Inc. 2006b. Manufacturer's certificate of conformance with design specifications per 40CFR60, Appendix B, Performance Specification 1, Published August 2000. LightHawk 560 Continuous Monitoring System (COMS). For Covanta Energy, Unit 2, Serial Number: 5602655. August 2014.

Teledyne Monitor Labs Inc. 2006c. Manufacturer's certificate of conformance with design specifications per 40CFR60, Appendix B, Performance Specification 1, Published August 2000. LightHawk 560 Continuous Monitoring System (COMS). For Covanta Essex Company, Unit 4, Serial Number: 5602790. August 2015. [Note: this instrument is installed in Unit 3; it was given the designation "Unit 4" due to a misunderstanding.]

Tellinghuisen J. 1973. Resolution of the visible-infrared absorption spectrum of I₂ into three contributing transitions. *J Chem Phys* 58(7):2821–2834.



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APPENDIX

Graphs of opacity and estimated emission rate for each atmospheric iodine-release event



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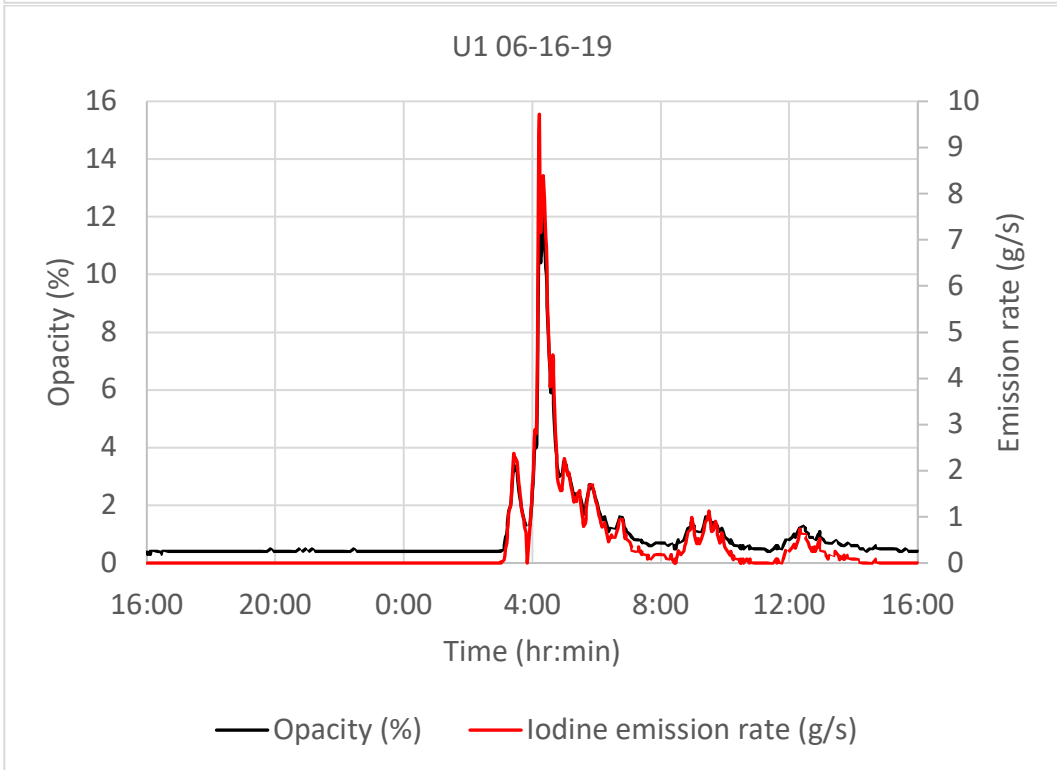
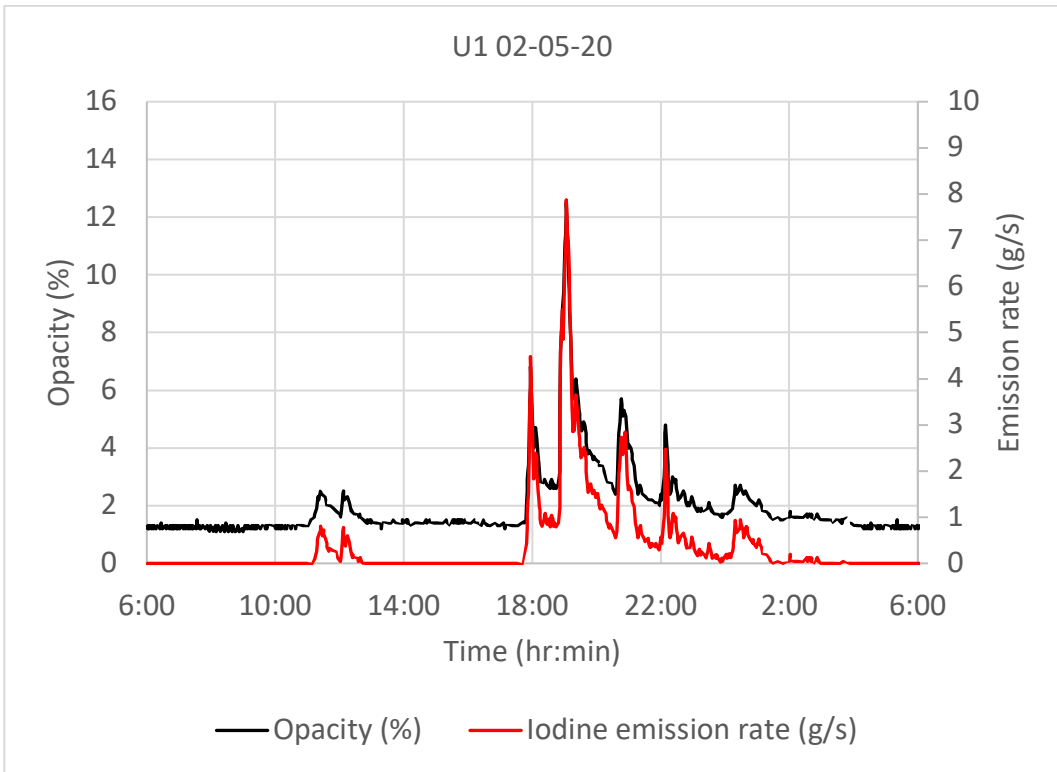
www.GreenToxicology.com

781-316-1685

Crouch@GreenToxicology.com

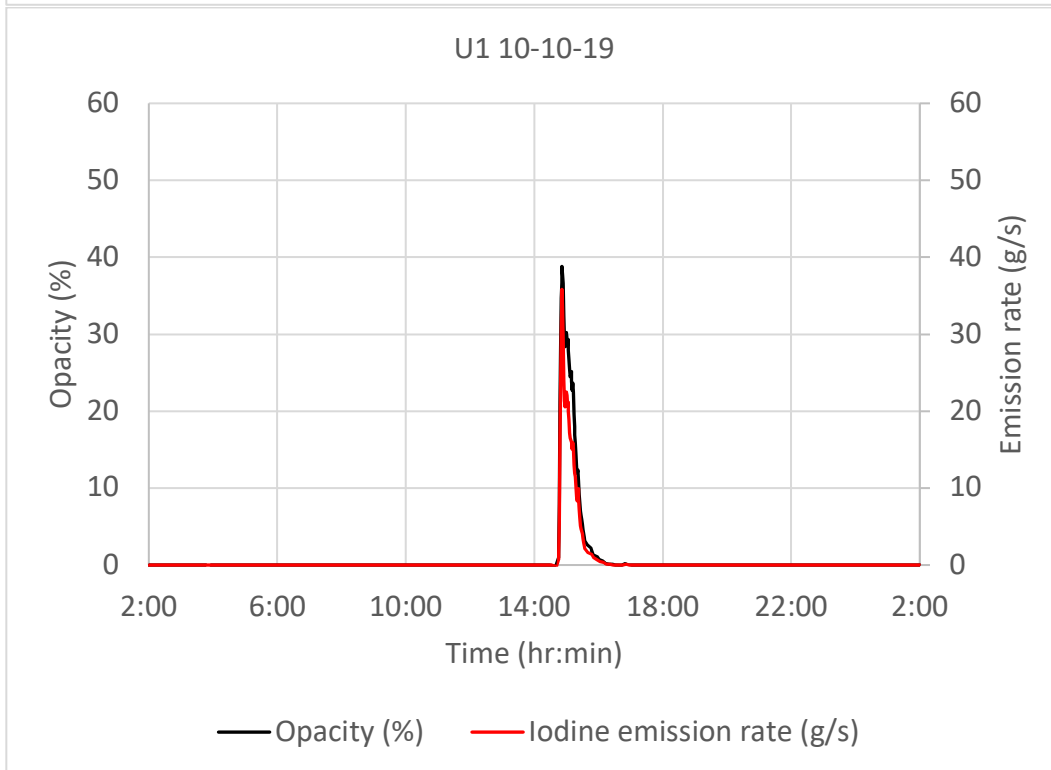
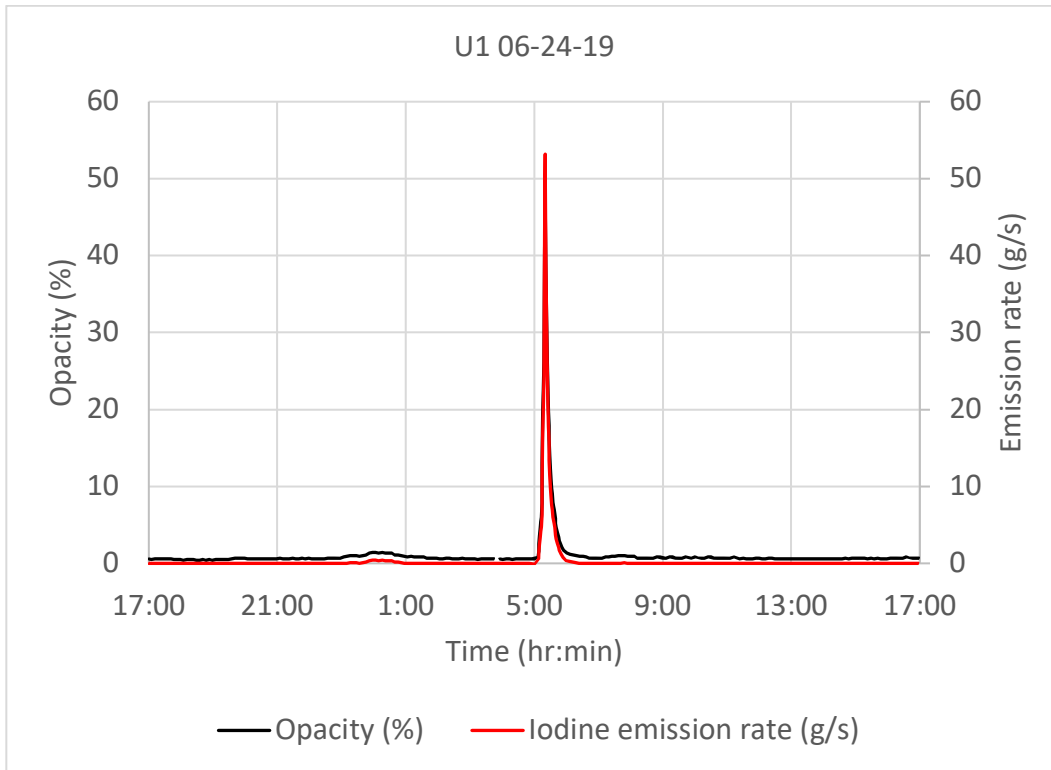


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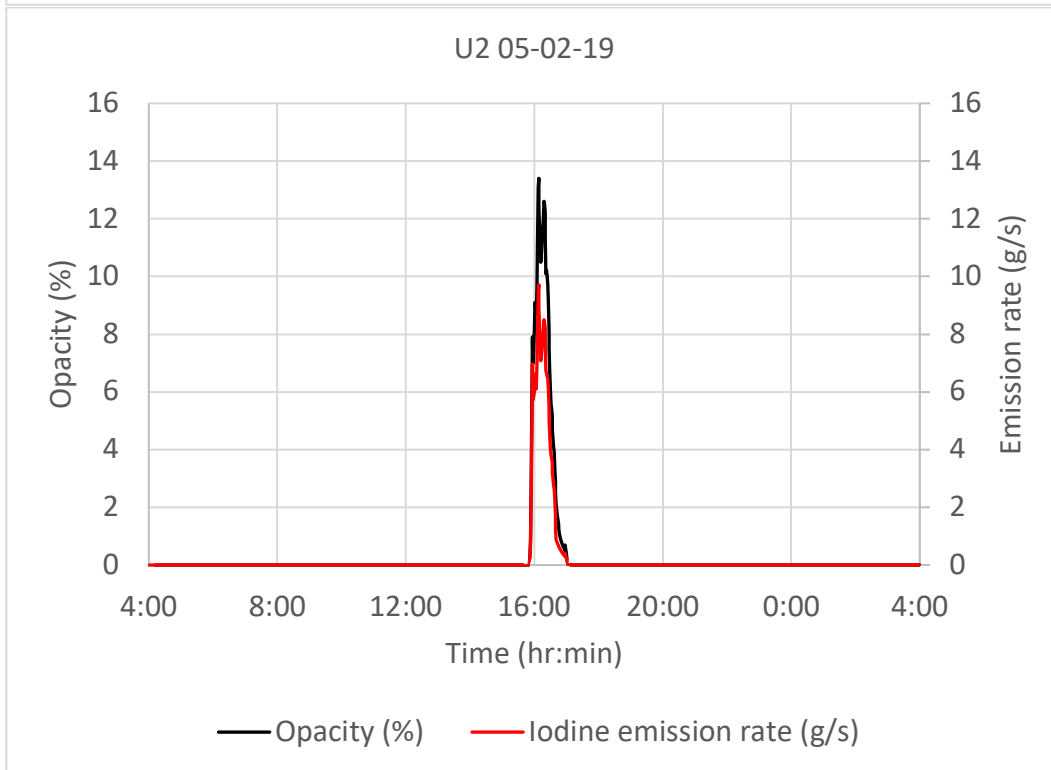
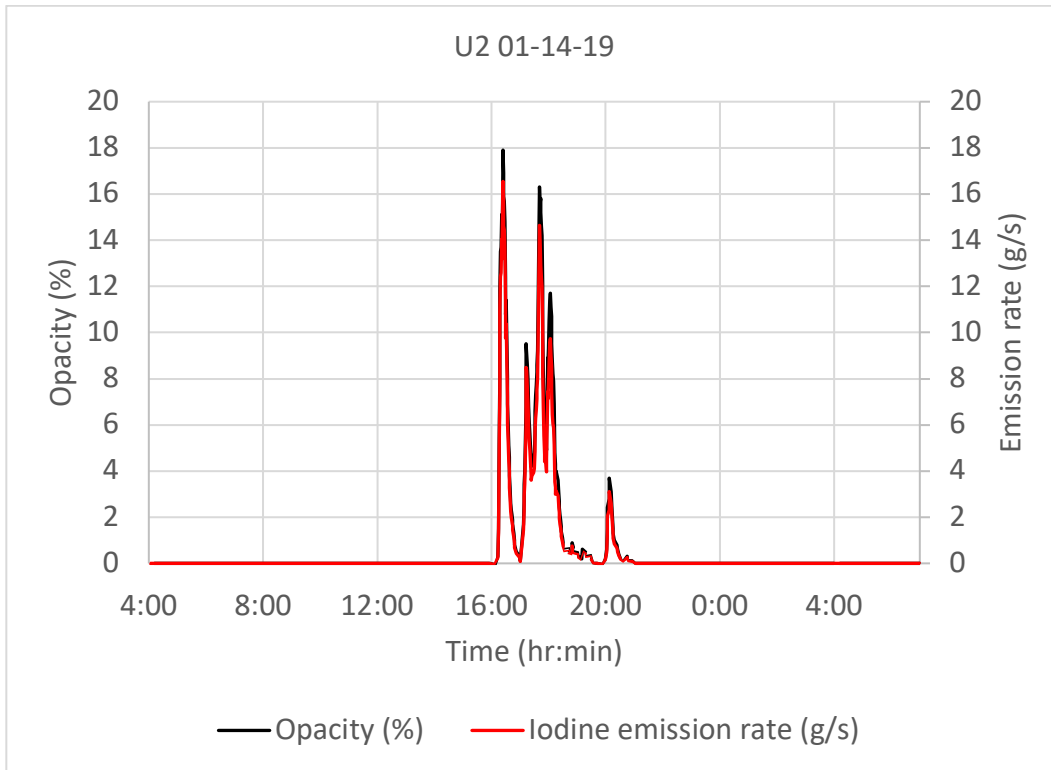


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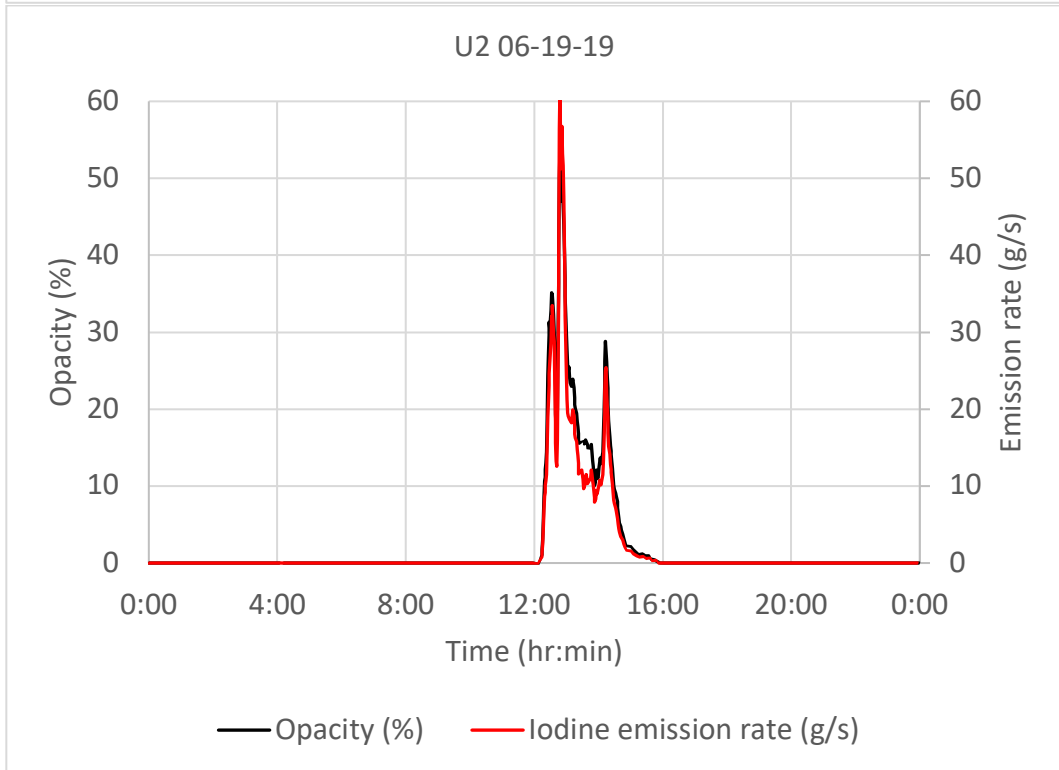
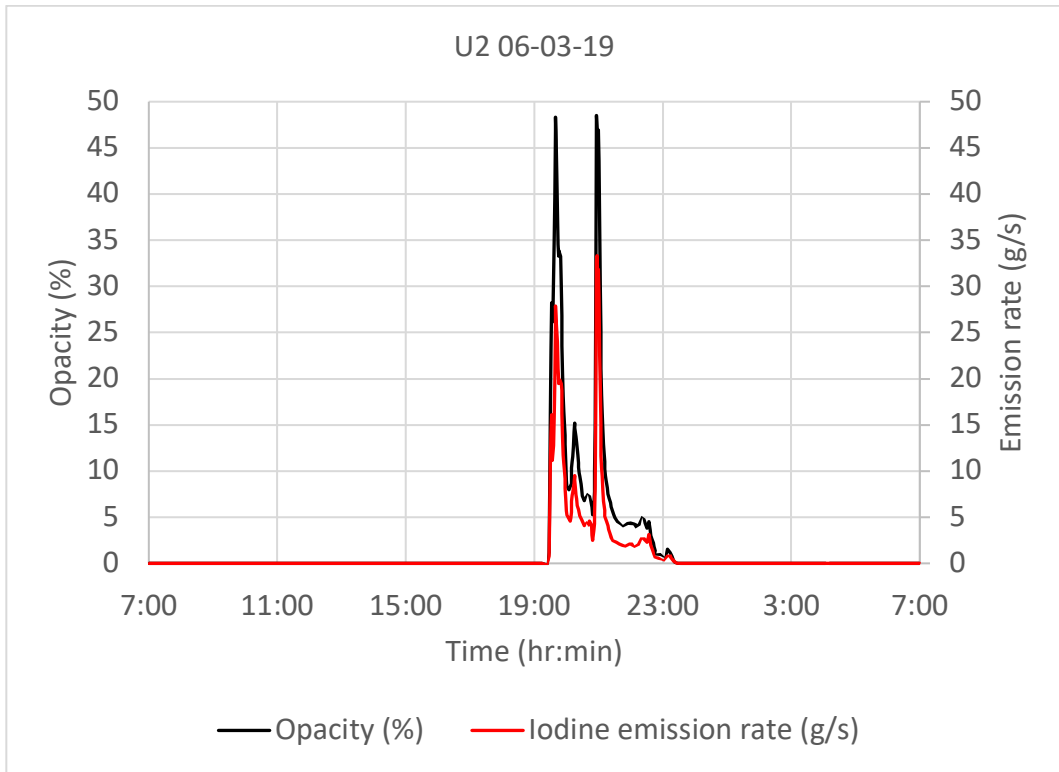


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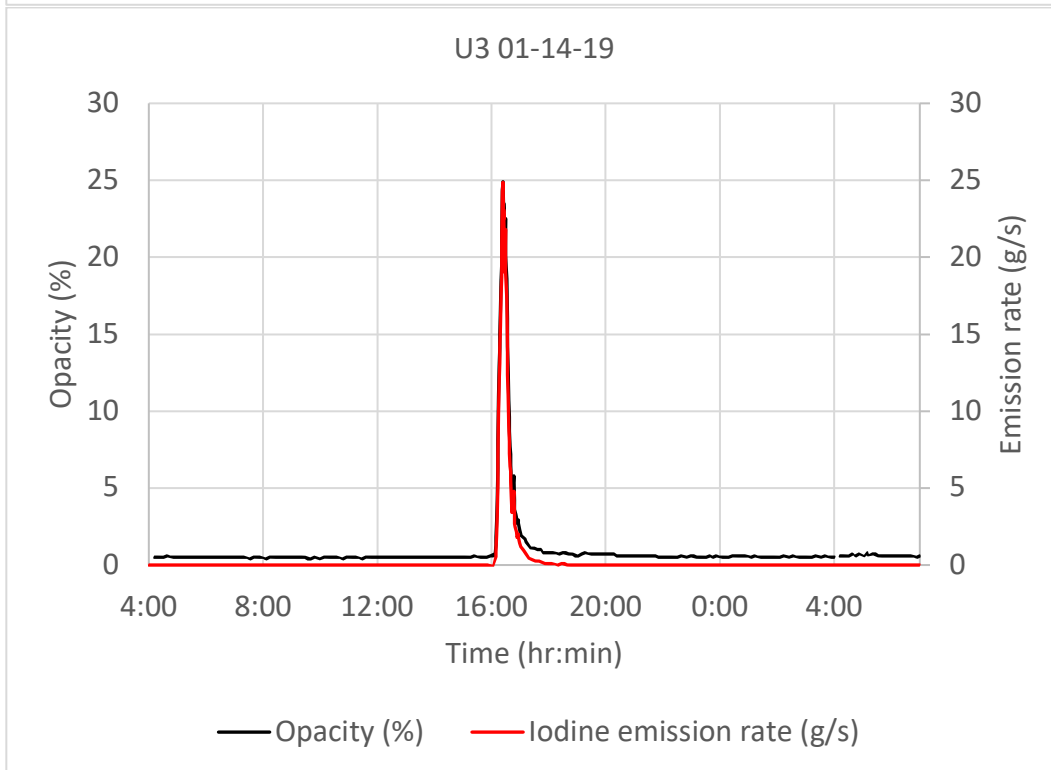
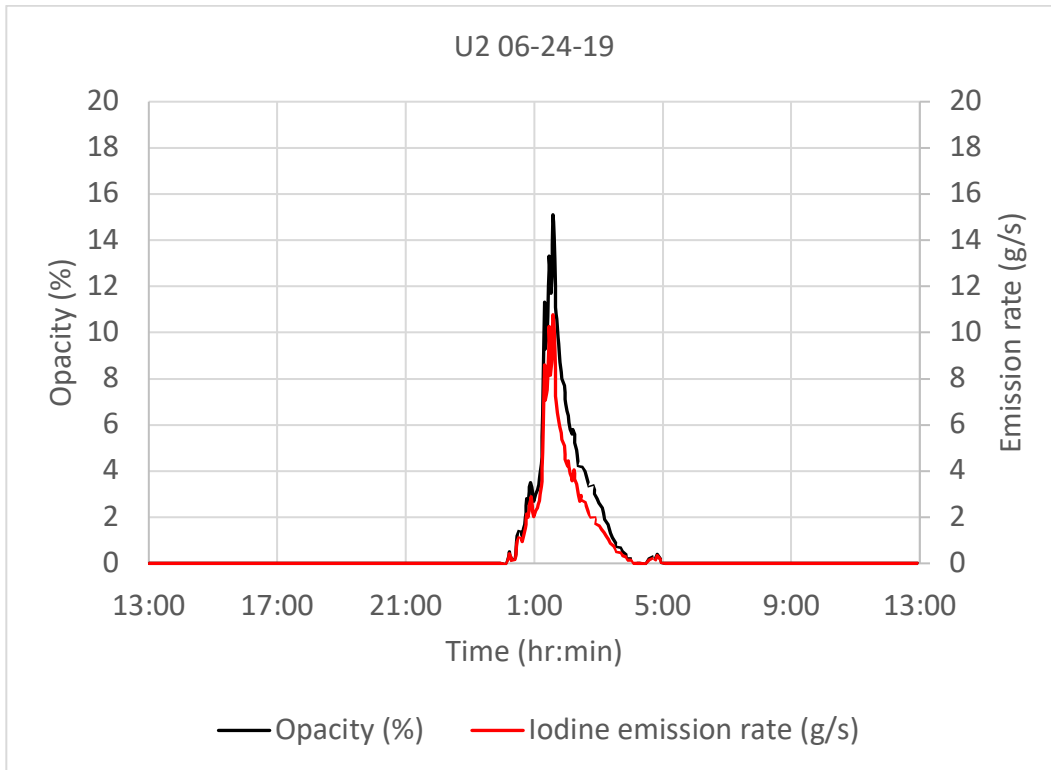


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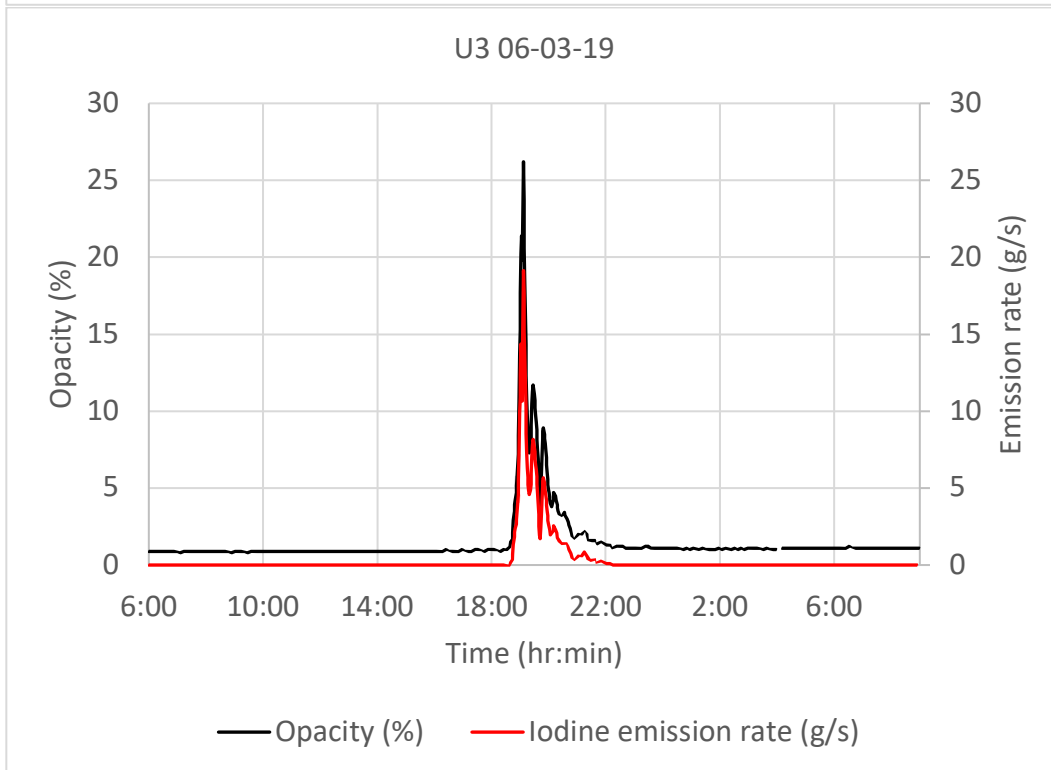
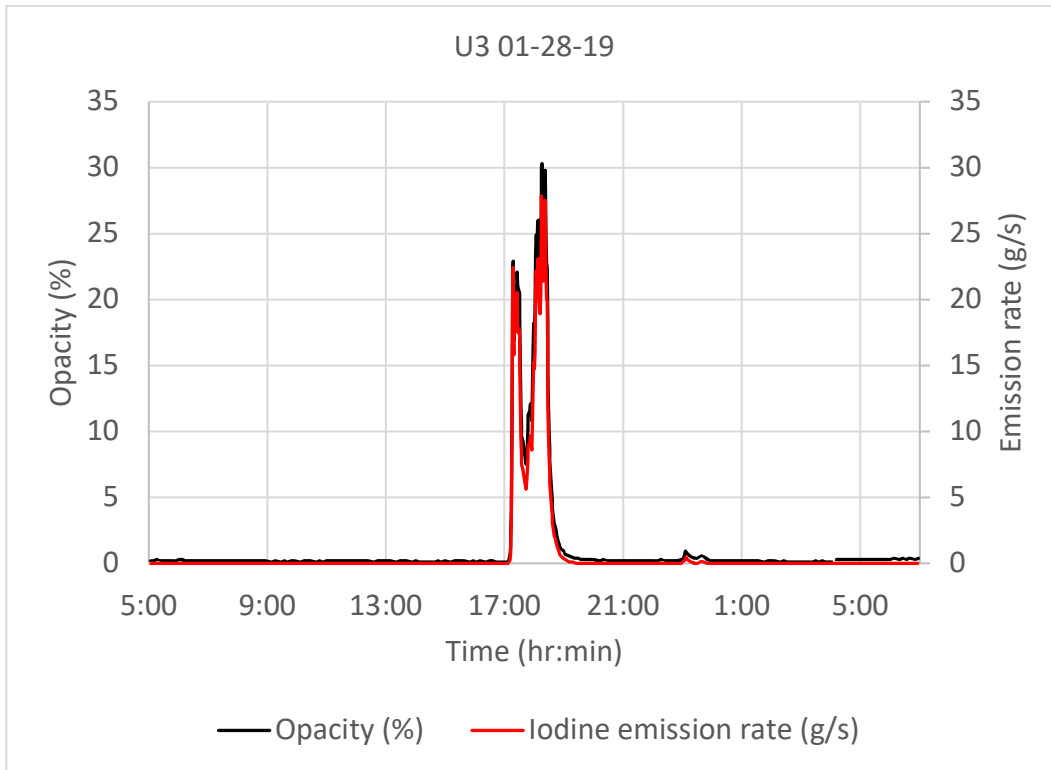


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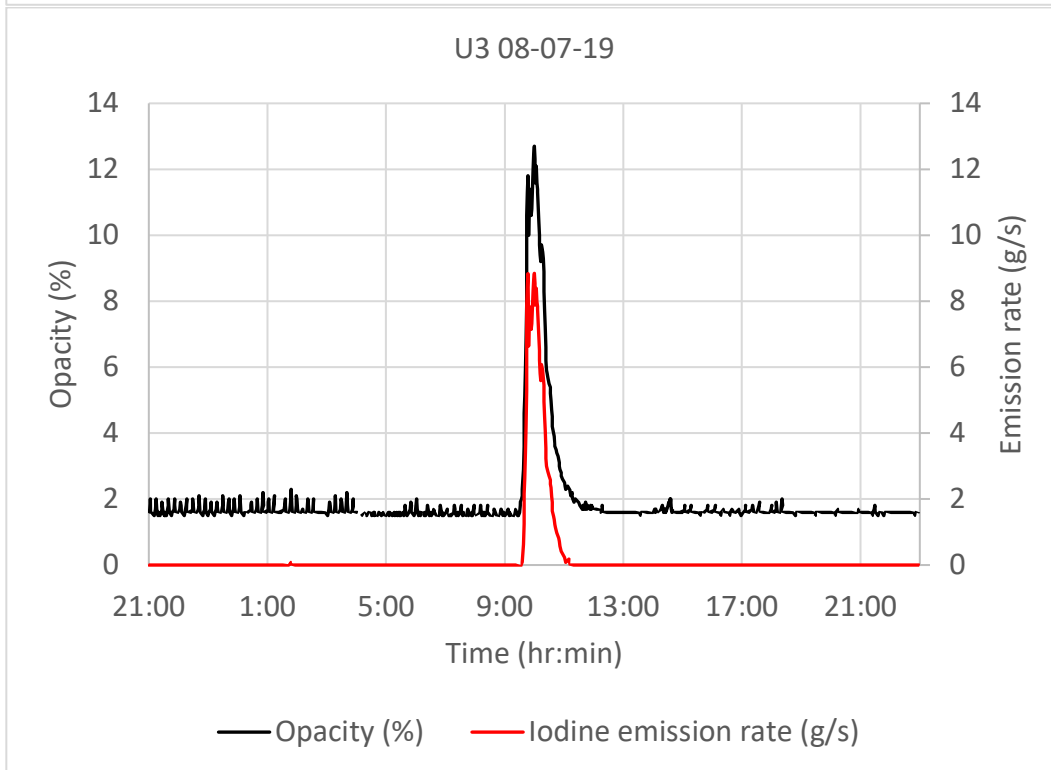
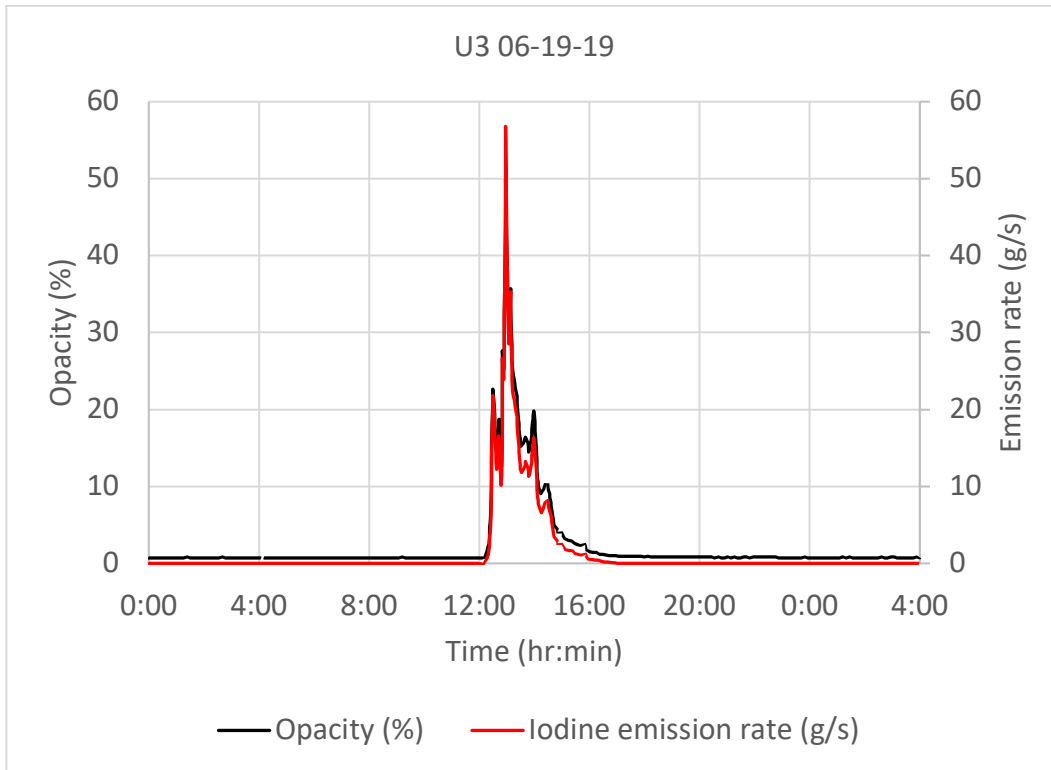


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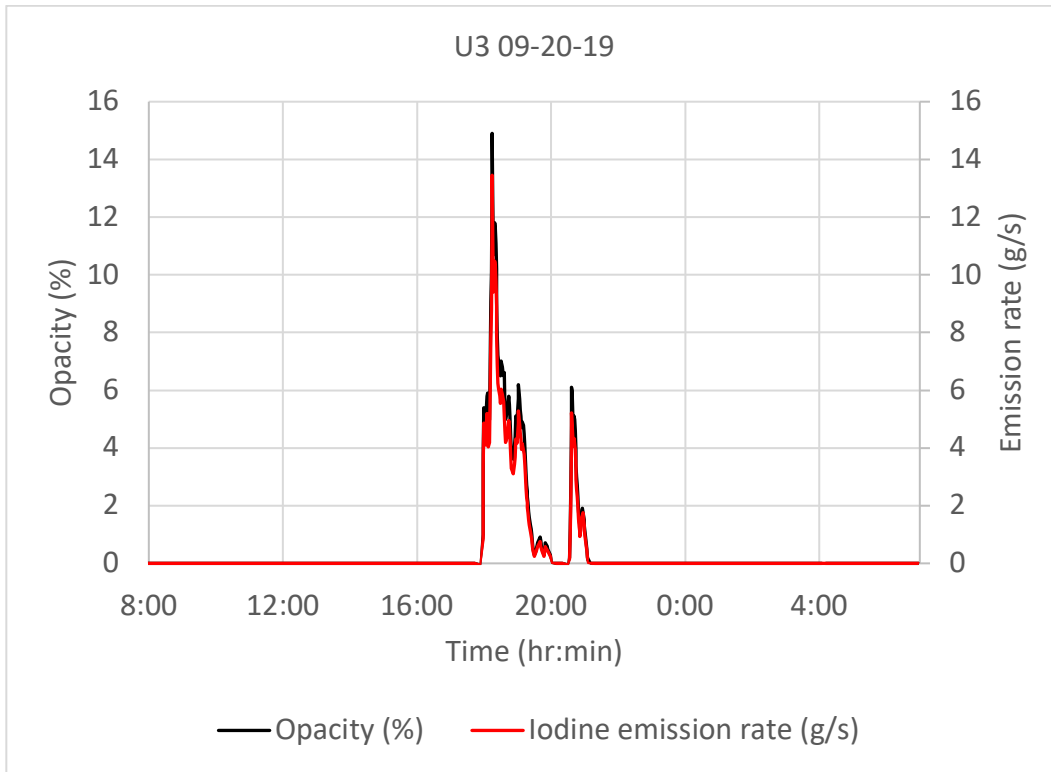


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Appendix B

Correspondence with NJDEP

1. Letter dated July 12, 2019 – Covanta Essex Company Response to NJDEP Request for Information letter dated June 21, 2019;
2. Letter dated August 13, 2019 – Covanta Essex Company Response to NJDEP Request for Information letter dated August 7, 2019;
3. Letter dated November 5, 2019 – Covanta Essex Company Response to NJDEP Request for Additional Information letter dated October 9, 2019;
4. Letter dated December 20, 2019 – Covanta Essex Company's submittal of the draft Purple Plume Prevention Plan as discussed at the December 10, 2019 meeting with NJDEP to discuss Covanta's ongoing efforts to prevent purple plumes at the Covanta Essex facility.

July 12, 2019

Mr. Jeffrey Meyer, Manager
NJDEP
Bureau of Air & Environmental Quality Enforcement
Northern Regional Office
7 Ridgedale Avenue
Cedar Knolls, NJ 07927

Subject: Essex County Resource Recovery Facility
Program Interest (Title V) Number 07736
Response to Request for Information
Opacity Exceedance on June 19, 2019 (Case #19-06-19-1242-25)

Dear Mr. Meyer:

On behalf of Covanta Essex Company, below are the responses to the request for information presented in your letter dated June 21, 2019, which was received on June 28, 2019, regarding the opacity exceedance reported on June 19, 2019.

1a. Equipment involved in the incident:

The opacity exceedances occurred on Boilers 2 and 3 on June 19, 2019.

1b. Cause of the incident:

The combustion of iodine can cause a visible plume with a purple or pinkish tint. The visible plume on June 19th had a pink tint therefore we have assumed that there was iodine in the MSW being fed to the boilers which resulted in the colored plume that day. We have evaluated deliveries that week and reached out to various generators however we have not been able to find the specific source of the iodine to date. Covanta Essex does not knowingly accept waste with iodine and have implemented a communications campaign with haulers and generators that identifies that iodine in waste is not acceptable.

1c. Duration of the incident:

Each of the three boilers exhibited opacity greater than typical baseline of 0 to 0.5 %. Unit 1 had 6-minute averages in the 5 to 8 % range. Boiler 2 had opacity between 12:18 pm and 2:30 pm with an average of 15 % for that period. Boiler 3 had an average opacity of 16.5 % for a nominal 2 hour period.

1d. Off-site impacts that may have resulted from this incident:

Covanta Essex conducted a 2-step process to enable an estimate of ground level impacts. The 1st step is an estimate of the amount of iodine present as I₂ at the stack. The 2nd step was application of dispersion modeling results to estimate the maximum ground level impact.

Modeling considers 1-hour average emission factors from the stack, coupled with meteorological data, to estimate 1-hour ambient impacts. The maximum 1-hour facility opacity average of 18% is estimated to be from an approximate I₂ concentration of 30 ppm in the stack flue gas.

Covanta Essex recently completed air dispersion modeling in March 2019 by an independent 3rd party consultancy as part of its Air toxics analysis. The air toxics analysis determined the maximum ground level impacts when considering a five-year meteorological data set dispersion in accordance with USEPA AERMOD and local terrain. When that dispersion modeling is applied to a stack I₂ concentration of 30 ppm, the maximum 1-hour ground level concentration is 0.0045 parts per million.

The estimated ground level impacts are considered to be conservative due to;

- Maximum ground level impact over a 5 year meteorological data set; and
- It is based on the maximum 1 hour opacity factor.

1e. What steps were taken to minimize emissions caused by this incident?

There are multiple steps taken by the control room operator as part of the standard procedure to minimize the duration and extent of an iodine-based plume including;

- derating the boiler by decreasing furnace draft to a setpoint of -0.1 and reducing the steam flow setpoint by 20 klb/hr until opacity begins to decrease;
- reducing ram feeder speed to slow down the feeding of trash to the boiler to attempt to reduce the % opacity; and
- reducing slurry flow to maximize the available SO₂ in the flue gas to react with the iodine which prevents the formation of the purple/pink smoke.

A purple plume decision tree is posted in the control room to assist the control room operators to ensure the correct actions are taken. The decision tree is included as Attachment 1.

2. Records of all waste received by Covanta Essex for the four days prior to the incident, including the names and location of the waste generators and quantity of waste received.

See attached reports included as Attachment 2 of all waste received. We can only report the waste received by the registered hauler that delivers to the Covanta Essex facility. In some cases we do know the generator that the haulers are delivering from but for many of the deliveries we only know the municipality the waste is coming from and not the specific generators. That would have to be obtained from each hauler. Also, much of the waste is household waste picked up curbside.

3. Operational records for Boilers 1, 2 and 3 for June 19, 2019 including waste charging rates, CEMS data and control device parametric monitoring data.

See attached data included as Attachment 3.

4. Estimated amount of iodine introduced into each boiler.

The source of the iodine in the waste that was combusted was not identified during or after this incident. All boilers were being fed from area B of the refuse pit, which is the middle section of the refuse pit. However, nothing unusual was visually identified in that area that may have been the source of the iodine. Therefore, it is unknown how much iodine was introduced into the boiler.

5. Estimated maximum concentration of iodine in the exhaust gas from all 3 boilers.

See response No. 1d above for an estimate of the concentration of iodine in the exhaust gas from the 3 boilers.

6. Estimated mass emission rate of iodine from all three boilers.

Based on the information discussed in response 1d above, we have estimated the concentration of iodine at the stack of all 3 boilers. However, without knowing specifically what form the iodine is in, it is difficult to accurately estimate the mass emission rate of iodine from the stack.

7. Estimated mass emission rates of any other air contaminant not authorized under BOP090003.

We have no reason to believe that there were emissions of any other air contaminant not authorized under BOP090003 besides iodine. There were no exceedances of any other air emission limits included in BOP090003.

8. A list of all other dates for the past five years when Covanta has emitted colored opacity from any of the boilers.

See Attachment 4 for a list of all colored plume opacity events for the Covanta Essex facility in the past 5 years.

If you should need any additional information or have any questions, please feel free to call me at 973-817-7322 or email me at pearls@covanta.com.

Sincerely,



Patricia Earls
New Jersey Regional Environmental Manager

cc: Andrea Zasoski, NJDEP Solid Waste Enforcement (via Email)
Yaso Sivaganesh, NJDEP Air Permitting Section (via Email)
Ted, Chleboski, NJDEP Air Permitting Section (via Email)

Attachment 1

Response Steps for a Purple Plume Event

An alarm to alert the operator that a purple plume event may be happening has been added to Citect. The alarm is based on inlet SO₂ dropping to a very low level compared to where it was several minutes earlier. This alarm will clear when inlet SO₂ increases to a more normal level. The alarm will only function when the affected controller is in AUTO. This may occur shortly before or at the same time that opacity levels begin to spike.

The following response steps should be taken when this alarm comes in or when a visible observation of a purple plume is made:

1. When the alarm comes in on Citect for a purple plume indicated by a rapid decrease in inlet SO₂, pull up the control screen for purple plume in Citect for the affected boiler.
2. Pull up the trend screen on Citect called "Purple Plume" for the affected boiler to verify a rapid decrease in SO₂ and increase in opacity.
3. Check stack camera to get a visual observation of a purple plume if possible.
4. If alarm is verified by step 2 and/or step 3 above, decrease furnace draft to a setpoint of -0.1. Reduce the steam flow setpoint by 20 klb/hr until opacity begins to decrease.
5. Do not increase lime slurry flow. Reduce lime slurry flow until the event is over.
6. Report any opacity exceedance to NJDEP Hotline within 15 minutes of the end of the first 6 minute averaging period that is above the 10% limit. When the event is over, another call must be made to the Hotline to follow up on the previous notification with the updated exceedance information.

Note: Based on the trends from some of the past events, inlet SO₂ has been seen to increase after a few minutes, only to drop back to near zero several minutes later and/or to be jumping up and down at a level below where it was prior to the event. This is most likely due to more than one pocket of the source of the iodine in the fuel stream. Therefore, at the present time the alarm has been implemented, but control logic has not.

Purple Plume Opacity Decision Tree

Purple Plume Alarm in Citect

- Based on inlet SO2 dropping to a very low level compared to where it was several minutes earlier.
- Only functions when the affected controller is in AUTO.

Purple Plume Alarm is Triggered in Citect?

Yes

No

Pull up the control screen for purple plume in Citect for the affected boiler.
Pull up trend on Citect called "Purple Plume" for Boiler that is alarming. Determine if inlet SO2 is rapidly decreasing and opacity is increasing indicating a real purple plume event

Treat event like any other opacity spike

Check stack camera to get a visual observation of plume if possible.

Can purple plume be verified in either of the above steps?

No

Treat event like any other opacity spike

Yes

- Decrease furnace draft to a setpoint of -0.1.
- Reduce the steam flow setpoint by 20 klb/hr until opacity begins to decrease.
- Reduce lime slurry flow. Do not increase slurry flow.
- Report any exceedance to NJDEP Hotline.

Attachment 2

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13

FACILITY NAME: COVANTA ESSEX

DATE: 14-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2038760	00:00:42	20947	NYC DOS	AU9919	NY	604159	703066	10	MN10, NEW YORK, NY	7.2600
2038761	00:04:04	20947	NYC DOS	AU8739	NY	604191	703111	10	MN10, NEW YORK, NY	6.8900
2038762	00:05:12	20947	NYC DOS	BB267S	NY	606269	NULL	10	MN10, NEW YORK, NY	10.9500
2038763	00:06:10	20947	NYC DOS	AW5636	NY	604053	703194	10	MN10, NEW YORK, NY	3.3400
2038764	00:10:11	20947	NYC DOS	AE1156	NY	604152	NULL	10	MN04, NEW YORK, NY	12.5900
2038765	00:11:33	20947	NYC DOS	AZ6612	NY	605601	NULL	10	MN01, NEW YORK, NY	13.2800
2038766	00:16:44	20947	NYC DOS	AZ4023	NY	605379	NULL	10	MN07, NEW YORK, NY	12.8900
2038767	00:18:32	20947	NYC DOS	AU9738	NY	604160	703244	10	MN03, NEW YORK, NY	5.2200
2038768	00:27:24	20947	NYC DOS	BA1129	NY	605753	703129	10	MN10, NEW YORK, NY	6.6600
2038769	00:28:05	20947	NYC DOS	BA1131	NY	605735	NULL	10	MN07, NEW YORK, NY	10.3500
2038770	00:30:18	20947	NYC DOS	AW5078	NY	9624	704639	10	MN03, NEW YORK, NY	8.7300
2038771	00:31:06	20947	NYC DOS	AU7808	NY	603684	NULL	10	MN07, NEW YORK, NY	13.1400
2038772	00:35:29	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Elmwood Park - 0213, BERGEN, NJ	14.5300
2038773	00:41:16	20947	NYC DOS	AU8458	NY	605459	NULL	10	MN03, NEW YORK, NY	13.9600
2038774	00:46:09	20947	NYC DOS	AW4752	NY	604072	NULL	10	MN07, NEW YORK, NY	10.2100
2038775	00:46:49	20947	NYC DOS	AU7020	NY	605296	NULL	10	MN04, NEW YORK, NY	13.0400
2038776	00:48:37	20947	NYC DOS	AW5077	NY	604050	703187	10	MN10, NEW YORK, NY	7.9600
2038777	00:51:35	20947	NYC DOS	AU8005	NY	5209	NULL	10	MN07, NEW YORK, NY	10.2100
2038778	00:55:22	20947	NYC DOS	AU8095	NY	603792	NULL	10	MN12, NEW YORK, NY	13.0800
2038779	00:57:13	20947	NYC DOS	AU8496	NY	605906	NULL	10	MN12, NEW YORK, NY	10.2500
2038780	01:08:44	2474	FLAG CONTAINER SERVICES, INC.	AM674W	NY	13756	NULL	10	New York - 3000, NEW YORK, NY	17.9800
2038781	01:36:47	20947	NYC DOS	AW5636	NY	604053	703191	10	MN10, NEW YORK, NY	9.2100
2038782	01:44:43	20947	NYC DOS	AW4262	NY	604079	NULL	10	MN03, NEW YORK, NY	10.1500
2038783	01:45:20	20947	NYC DOS	AW4983	NY	604055	703084	10	MN03, NEW YORK, NY	6.0700
2038784	01:53:57	20947	NYC DOS	AW5078	NY	9624	704646	10	MN03, NEW YORK, NY	8.3500
2038785	01:55:59	17273	WASTE MGT OF NEW JERSEY	AL420B	NJ	9450	212439	10	Newark City - 0714, ESSEX, NJ	0.3200
2038786	01:57:25	20947	NYC DOS	AU7963	NY	603752	NULL	10	MN07, NEW YORK, NY	10.3400
2038787	02:06:12	20947	NYC DOS	AU9919	NY	604159	703181	10	MN10, NEW YORK, NY	4.1500
2038788	02:07:11	20947	NYC DOS	AU7965	NY	603715	NULL	10	MN07, NEW YORK, NY	10.5800
2038789	02:14:08	20947	NYC DOS	BA1129	NY	605753	703209	10	MN10, NEW YORK, NY	7.1000
2038790	02:14:45	20947	NYC DOS	AU8217	NY	604893	NULL	10	MN10, NEW YORK, NY	5.8300
2038791	02:32:55	20947	NYC DOS	AU9738	NY	604160	703243	10	MN03, NEW YORK, NY	0.9200
2038792	02:35:42	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	11.1600
2038793	02:39:48	20947	NYC DOS	AU8103	NY	7895	NULL	10	MN12, NEW YORK, NY	11.7100
2038794	02:42:54	20947	NYC DOS	AA5521	NY	9238	NULL	10	MN01, NEW YORK, NY	2.4700
2038795	02:48:31	20947	NYC DOS	AW5077	NY	604050	703189	10	MN10, NEW YORK, NY	5.1500
2038796	02:52:40	2931	T. FARESE & SONS INC	XPNG30	NJ	18482	258799	10	Newark City - 0714, ESSEX, NJ	4.5100
2038797	02:58:44	20947	NYC DOS	AU7951	NY	604097	NULL	10	MN07, NEW YORK, NY	11.7000
2038798	03:05:00	18571	INTERSTATE WASTE SERVICES	AU174F	NY	23586	NULL	10	East Orange City - 0705, ESSEX, NJ	12.4300
2038799	03:08:17	20947	NYC DOS	AU7805	NY	603762	NULL	10	MN02, NEW YORK, NY	8.3300
2038801	03:30:00	20947	NYC DOS	BB5160	NY	606178	NULL	10	MN02, NEW YORK, NY	9.8500
2038802	03:30:33	8262	F. BASSO JR. RUBBISH REMOVAL	XGJS14	NJ	6085	NULL	10	Cedar Grove - 0704, ESSEX, NJ	17.7800
2038803	03:36:22	20947	NYC DOS	BA1129	NY	605753	703210	10	MN10, NEW YORK, NY	8.4300
2038804	03:37:10	20947	NYC DOS	AU8739	NY	604191	703148	10	MN10, NEW YORK, NY	4.5000
2038805	03:39:22	20947	NYC DOS	AU9919	NY	604159	703196	10	MN10, NEW YORK, NY	8.4800
2038806	03:46:11	18571	INTERSTATE WASTE	AU257P	NJ	25413	NULL	10	Passaic City - 1607, PASSAIC, NJ	12.5500
2038807	03:47:39	20947	NYC DOS	AW5636	NY	604053	703195	10	MN10, NEW YORK, NY	4.4700

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 14-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2038808	03:50:52	20947	NYC DOS	AU8264	NY	20947	NULL	10	MN03, NEW YORK, NY	6.3100
2038809	03:51:47	20947	NYC DOS	AU7859	NY	4991	NULL	10	MN04, NEW YORK, NY	13.3100
2038810	03:52:24	20947	NYC DOS	AD5255	NY	603795	NULL	10	MN04, NEW YORK, NY	12.6800
2038811	04:05:51	2931	T. FARESE & SONS INC	XFNG30	NJ	18482	241002	10	Newark City - 0714, ESSEX, NJ	0.7500
2038812	04:07:13	2884	LOUIS T. ROSELLE, INC -	XHGN95	NJ	26698	258132	10	Fairfield Borough - 0707, ESSEX, NJ	11.8700
2038813	04:09:36	20947	NYC DOS	R27914	NY	7937	NULL	10	MN03, NEW YORK, NY	6.9300
2038814	04:10:47	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	NULL	10	East Orange City - 0705, ESSEX, NJ	13.0800
2038815	04:20:07	2931	T. FARESE & SONS INC	XBP259	NJ	10296	258885	10	Newark City - 0714, ESSEX, NJ	3.5000
2038816	04:24:47	20947	NYC DOS	AU9738	NY	604160	703282	10	MN03, NEW YORK, NY	7.4700
2038817	04:25:22	6759	SUBURBAN DISPOSAL CORP	XDNU26	NJ	807	NULL	10	Glen Ridge - 0708, ESSEX, NJ	6.5800
2038818	04:28:32	6759	SUBURBAN DISPOSAL CORP	XCVR36	NJ	822	NULL	10	Belleville Township - 0701, ESSEX, NJ	7.5200
2038819	04:30:00	20947	NYC DOS	BA2300	NY	605833	NULL	10	MN04, NEW YORK, NY	12.7500
2038820	04:32:08	20947	NYC DOS	AU7792	NY	8380	NULL	10	MN01, NEW YORK, NY	7.4200
2038821	04:32:54	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	NULL	10	Belleville Township - 0701, ESSEX, NJ	10.2100
2038822	04:39:18	20947	NYC DOS	AW5077	NY	604050	703161	10	MN10, NEW YORK, NY	7.5300
2038823	04:40:07	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	9.9200
2038824	04:41:00	20947	NYC DOS	AU7803	NY	603830	NULL	10	MN02, NEW YORK, NY	11.6000
2038825	04:43:23	6759	SUBURBAN DISPOSAL CORP	XV4472	NJ	769	NULL	10	East Orange City - 0705, ESSEX, NJ	9.2800
2038826	04:52:07	6759	SUBURBAN DISPOSAL CORP	XCVR20	NJ	816	NULL	10	East Orange City - 0705, ESSEX, NJ	7.6600
2038827	05:00:16	2931	T. FARESE & SONS INC	XBP259	NJ	10296	258886	10	Newark City - 0714, ESSEX, NJ	3.1400
2038828	05:09:36	2884	LOUIS T. ROSELLE, INC -	XDNU26	NJ	874	NULL	10	Short Hills, ESSEX, NJ	2.5600
2038829	05:13:45	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	13.6200
2038831	05:25:03	2931	T. FARESE & SONS INC	XATB21	NJ	10256	240938	10	East Orange City - 0705, ESSEX, NJ	0.5300
2038832	05:27:14	8262	F. BASSO JR. RUBBISH REMOVAL	XGJR56	NJ	6803	NULL	10	North Caldwell Township - 0715, ESSEX, NJ	14.5900
2038834	05:31:38	3660	GAETA RECYCLING	XCJL84	NJ	10394	241984	27	International - 9900, NEW YORK, NY	0.1500
2038835	05:32:38	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	258852	10	Newark City - 0714, ESSEX, NJ	4.4800
2038836	05:35:08	7847	GIORDANO COMPANY	XFAJ29	NJ	3074	210682	10	East Orange City - 0705, ESSEX, NJ	3.2300
2038839	05:44:28	2884	LOUIS T. ROSELLE, INC -	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	11.1400
2038840	05:49:53	17273	WASTE MGT OF NEW JERSEY	AS867P	NJ	9745	NULL	10	Maplewood Township - 0711, ESSEX, NJ	5.5400
2038843	06:02:21	6759	SUBURBAN DISPOSAL CORP	XCVR35	NJ	821	NULL	10	East Orange City - 0705, ESSEX, NJ	5.3100
2038846	06:13:51	17273	WASTE MANAGEMENT	AS394P	NJ	9739	245508	27	International - 9900, NEW YORK, NY	3.3100
2038847	06:15:06	2931	T. FARESE & SONS INC	XFNG30	NJ	18482	232777	10	Newark City - 0714, ESSEX, NJ	5.5400
2038848	06:17:51	9330	CAL CARTING	AN688Z	NJ	13170	224060	10	Newark City - 0714, ESSEX, NJ	2.7700
2038849	06:19:41	18571	INTERSTATE WASTE SERVICES	AU174F	NY	23586	NULL	10	West Orange Township - 0722, ESSEX, NJ	12.8400
2038850	06:21:00	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	0.6200
2038852	06:25:02	18571	INTERSTATE WASTE	AU621J	NJ	24348	217026	27	International - 9900, NEW YORK, NY	9.1400
2038853	06:25:57	2931	T. FARESE & SONS INC	XHES31	NJ	26555	NULL	10	Newark City - 0714, ESSEX, NJ	10.3500
2038855	06:43:17	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256539	27	International - 9900, NEW YORK, NY	2.2400
2038856	06:44:20	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	240977	10	Newark City - 0714, ESSEX, NJ	5.9400
2038859	06:53:47	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	258853	10	Newark City - 0714, ESSEX, NJ	2.7600
2038860	06:59:59	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218441	10	Newark City - 0714, ESSEX, NJ	5.1900
2038861	07:01:19	20947	NYC DOS	AD5568	NY	604192	703234	10	MN03, NEW YORK, NY	9.4600
2038862	07:04:45	20947	NYC DOS	AZ9294	NY	20947	703263	10	MN03, NEW YORK, NY	4.4500
2038864	07:25:51	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218428	10	Belleville Township - 0701, ESSEX, NJ	5.7600
2038865	07:30:30	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	NULL	10	Livingston Township - 0710, ESSEX, NJ	12.3200
2038866	07:31:28	9330	CAL CARTING	AN688Z	NJ	13170	224303	10	Newark City - 0714, ESSEX, NJ	2.6700
2038867	07:33:55	17273	WASTE MGT OF NEW JERSEY	AT212C	NJ	9476	245780	10	Short Hills, ESSEX, NJ	4.0900

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 14-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2038868	07:39:51	20947	NYC DOS	AD5502	NY	604193	704638	10	MN03, NEW YORK, NY	4.3800
2038869	07:52:03	2931	T. FARESE & SONS INC	XFNG30	NJ	18482	240995	10	Newark City - 0714, ESSEX, NJ	3.7400
2038870	07:55:41	17273	WASTE MANAGEMENT	AS394P	NJ	9739	245502	27	International - 9900, NEW YORK, NY	6.7000
2038872	08:01:21	20947	NYC DOS	AU9919	NY	604159	703154	10	MN10, NEW YORK, NY	7.4100
2038874	08:21:48	18571	INTERSTATE WASTE SERVICES	AU821J	NY	24348	218096	10	Newark City - 0714, ESSEX, NJ	9.3900
2038875	08:22:24	17273	WASTE MGT OF NEW JERSEY	AT852G	NJ	9798	NULL	10	Newark City - 0714, ESSEX, NJ	11.5900
2038876	08:29:10	20947	NYC DOS	AU8088	NY	603801	NULL	10	MN09, NEW YORK, NY	11.0500
2038878	08:31:10	3660	GAETA RECYCLING	X4743N	NJ	10366	278477	10	Newark City - 0714, ESSEX, NJ	1.5400
2038879	08:36:31	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Newark City - 0714, ESSEX, NJ	13.7100
2038880	08:38:20	18571	INTERSTATE WASTE SERVICES	AP327U	NY	4337	218095	10	Newark City - 0714, ESSEX, NJ	7.5200
2038881	08:41:25	20947	NYC DOS	AZ1804	NY	605444	NULL	10	MN04, NEW YORK, NY	7.7300
2038882	08:47:05	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	NULL	10	East Orange City - 0705, ESSEX, NJ	17.6400
2038883	08:51:21	20947	NYC DOS	AZ4316	NY	605466	NULL	10	MN02, NEW YORK, NY	8.4900
2038884	08:53:35	20947	NYC DOS	AZ8018	NY	605655	NULL	10	MN09, NEW YORK, NY	9.9300
2038885	08:56:14	17273	WASTE MGT OF NEW JERSEY	AT1210C	NJ	9300	246168	10	Newark City - 0714, ESSEX, NJ	5.6800
2038886	08:56:19	20947	NYC DOS	AZ8019	NY	605654	NULL	10	MN09, NEW YORK, NY	8.1400
2038887	09:03:35	20947	NYC DOS	AD5528	NY	604171	NULL	10	MN09, NEW YORK, NY	11.0500
2038888	09:04:27	20947	NYC DOS	AU8010	NY	7775	NULL	10	MN09, NEW YORK, NY	11.0300
2038889	09:05:36	20947	NYC DOS	AZ9519	NY	606074	NULL	10	MN09, NEW YORK, NY	12.7100
2038890	09:06:24	6759	SUBURBAN DISPOSAL CORP	XAA62	NJ	781	NULL	10	Irvington Township - 0709, ESSEX, NJ	14.2100
2038891	09:07:19	2986	ALLEGRO SANITATION	XFUA65	NJ	22117	NULL	10	Newark City - 0714, ESSEX, NJ	13.7500
2038892	09:10:35	09369	GARY GRAY	AT919A	NJ	1003	204812	27	Hackettstown Town - 2108, WARREN, NJ	8.8600
2038893	09:14:25	6759	SUBURBAN DISPOSAL CORP	X3648BV	NJ	783	NULL	10	Irvington Township - 0709, ESSEX, NJ	14.1900
2038894	09:15:39	2884	LOUIS T. ROSELLE, INC. -	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	4.1600
2038895	09:17:47	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.5100
2038896	09:20:01	9330	CALI CARTING	XDCX97	NJ	13163	NULL	10	Newark City - 0714, ESSEX, NJ	13.6300
2038897	09:20:44	20947	NYC DOS	AW4226	NY	604080	NULL	10	MN02, NEW YORK, NY	5.7800
2038898	09:26:35	17273	WASTE MANAGEMENT	AS394P	NJ	9739	245504	27	International - 9900, NEW YORK, NY	3.0400
2038899	09:28:17	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	16.8800
2038900	09:28:31	20947	NYC DOS	AZ5179	NY	605520	NULL	10	MN09, NEW YORK, NY	9.7900
2038901	09:29:43	20947	NYC DOS	BA2246	NY	605835	NULL	10	MN08, NEW YORK, NY	13.2000
2038902	09:30:16	20947	NYC DOS	AZ6611	NY	605600	NULL	10	MN01, NEW YORK, NY	11.0400
2038903	09:35:03	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	801	NULL	10	Belleville Township - 0701, ESSEX, NJ	15.0100
2038905	09:37:19	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218967	10	Belleville Township - 0701, ESSEX, NJ	1.9200
2038906	09:42:48	6759	SUBURBAN DISPOSAL CORP	XCVR36	NJ	822	NULL	10	Belleville Township - 0701, ESSEX, NJ	12.2700
2038907	09:43:09	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	NULL	10	Irvington Township - 0709, ESSEX, NJ	15.5400
2038908	09:44:54	9330	CALI CARTING	XDYL17	NJ	13177	NULL	10	Newark City - 0714, ESSEX, NJ	15.6200
2038909	09:45:18	20947	NYC DOS	AD5568	NY	604192	704665	10	MN03, NEW YORK, NY	6.9200
2038910	09:47:42	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218443	10	Irvington Township - 0709, ESSEX, NJ	3.0800
2038911	09:54:58	20947	NYC DOS	AZ9294	NY	20947	704600	10	MN03, NEW YORK, NY	7.6000
2038912	09:56:40	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	273495	27	International - 9900, NEW YORK, NY	0.2100
2038913	09:58:23	6759	SUBURBAN DISPOSAL CORP	XCVR46	NJ	825	NULL	10	East Orange City - 0705, ESSEX, NJ	16.0400
2038914	09:59:15	20947	NYC DOS	AE1695	NY	604340	NULL	10	MN04, NEW YORK, NY	8.8700
2038915	10:02:13	20947	NYC DOS	BB5160	NY	606178	NULL	10	MN02, NEW YORK, NY	8.4500
2038916	10:03:18	3660	GAETA RECYCLING	X4743N	NJ	10366	242371	10	Newark City - 0714, ESSEX, NJ	4.0800
2038917	10:04:15	4152	NEWARK SANITATION	MG64613	NJ	1742	NULL	10	Newark City - 0714, ESSEX, NJ	9.5600
2038918	10:04:44	6759	SUBURBAN DISPOSAL CORP	XS174K	NJ	894	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	12.0000

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
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FACILITY NAME: COVANTA ESSEX

DATE: 14-Jun-2019

FACILITY NUMBER:

133546

Ticket No	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2038919	10:06:08	20947	NYC DOS	AU8259	NY	605452	NULL	10	MN09, NEW YORK, NY	8.8100
2038921	10:09:54	20947	NYC DOS	AZ3600	NY	605528	NULL	10	MN08, NEW YORK, NY	14.8800
2038922	10:10:18	20947	NYC DOS	AD5502	NY	604193	703233	10	MN03, NEW YORK, NY	6.3100
2038923	10:11:50	4152	NEWARK SANITATION	34870MG	NJ	704274	NULL	10	Newark City - 0714, ESSEX, NJ	8.9900
2038924	10:13:19	2884	LOUIS T. ROSELLE, INC.	XAVX70	NJ	875	204700	10	Newark City - 0714, ESSEX, NJ	1.2900
2038925	10:13:59	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15374MG	NJ	601598MON	NULL	10	Montclair Township - 0713, ESSEX, NJ	13.3900
2038926	10:15:25	2884	LOUIS T. ROSELLE, INC.	XCXB78	NJ	760	NULL	10	West Orange Township - 0722, ESSEX, NJ	16.0100
2038927	10:16:58	20947	NYC DOS	BA2300	NY	605833	NULL	10	MN04, NEW YORK, NY	9.8200
2038928	10:17:53	17273	WASTE MANAGEMENT	AS236R	NJ	9434	246426	27	International - 9900, NEW YORK, NY	12.5900
2038929	10:20:01	18571	INTERSTATE WASTE SERVICES	AU174F	NY	23586	NULL	10	Orange, City Of - 0717, ESSEX, NJ	11.5200
2038930	10:22:26	6759	SUBURBAN DISPOSAL CORP	AP175E	NJ	778	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	15.2500
2038931	10:23:01	4152	NEWARK SANITATION	MG64605	NJ	1735	NULL	10	Newark City - 0714, ESSEX, NJ	7.2700
2038932	10:23:54	8262	F. BASSO JR. RUBBISH REMOVAL	XHJD57	NJ	8815	NULL	10	Newark City - 0714, ESSEX, NJ	8.8900
2038933	10:24:42	8262	F. BASSO JR. RUBBISH REMOVAL	XDCY13	NJ	6781	NULL	10	Newark City - 0714, ESSEX, NJ	11.7900
2038935	10:31:24	8262	BASSO/LITTLE FALLS	XEVJ26	NJ	6789	NULL	10	Little Falls - 1605, PASSAIC, NJ	15.1900
2038936	10:32:56	20947	NYC DOS	AU9919	NY	604159	704591	10	MN10, NEW YORK, NY	5.6200
2038937	10:33:31	20947	NYC DOS	BA1438	NY	20947	NULL	10	MN04, NEW YORK, NY	12.2100
2038938	10:37:50	18571	INTERSTATE WASTE	AU257P	NJ	25413	NULL	10	Passaic City - 1807, PASSAIC, NJ	13.6100
2038939	10:41:06	5778	MONTCLAIR DEPT OF PUBLIC WORKS	MG97672	NJ	601617	NULL	10	Montclair Township - 0713, ESSEX, NJ	7.1000
2038940	10:41:41	8262	F. BASSO JR. RUBBISH REMOVAL	X1208P	NJ	6780	NULL	10	Newark City - 0714, ESSEX, NJ	10.6700
2038941	10:43:43	20947	NYC DOS	AE1156	NY	604152	NULL	10	MN04, NEW YORK, NY	9.6300
2038943	10:46:03	20947	NYC DOS	BA1977	NY	605908	NULL	10	MN04, NEW YORK, NY	7.9900
2038944	10:48:40	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	7.8800
2038946	10:53:58	4152	NEWARK SANITATION	MG-38080	NJ	1715	NULL	10	Newark City - 0714, ESSEX, NJ	8.0700
2038947	11:00:41	4500	JOSEPH SMENTKOWSKI	XEJH35	NJ	14770	NULL	10	Orange, City Of - 0717, ESSEX, NJ	16.8600
2038948	11:00:58	18571	INTERSTATE WASTE SERVICES	AS278R	NY	389	218301	10	Livingston Township - 0710, ESSEX, NJ	7.4600
2038949	11:03:09	4152	NEWARK SANITATION	MG64614	NJ	1743	NULL	10	Newark City - 0714, ESSEX, NJ	8.7600
2038950	11:03:34	6759	SUBURBAN DISPOSAL CORP	XEMT59	NJ	888	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	14.7600
2038951	11:04:56	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218397	10	East Orange City - 0705, ESSEX, NJ	1.4600
2038952	11:09:24	5778	MONTCLAIR DEPT OF PUBLIC WORKS	30068MG	NJ	606045	NULL	10	Montclair Township - 0713, ESSEX, NJ	13.6500
2038953	11:10:28	2884	LOUIS T. ROSELLE, INC.	AN826C	NJ	766	204789	10	West Orange Township - 0722, ESSEX, NJ	2.3800
2038954	11:11:01	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256704	27	International - 9900, NEW YORK, NY	4.8000
2038955	11:12:14	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	NULL	10	Belleville Township - 0701, ESSEX, NJ	14.8100
2038956	11:12:34	8262	F. BASSO JR. RUBBISH REMOVAL	XGZA48	NJ	6806	NULL	10	Nutley Township - 0716, ESSEX, NJ	18.2100
2038957	11:14:01	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY51	NJ	6786	NULL	10	Nutley Township - 0716, ESSEX, NJ	15.4900
2038958	11:14:14	18571	INTERSTATE WASTE SERVICES	AT890W	NY	17007	NULL	10	Newark City - 0714, ESSEX, NJ	16.4500
2038959	11:16:29	4152	NEWARK SANITATION	24112MG	NJ	1737	NULL	10	Newark City - 0714, ESSEX, NJ	8.1900
2038960	11:19:04	4152	NEWARK SANITATION	MG-74634	NJ	6307	NULL	10	Newark City - 0714, ESSEX, NJ	0.7800
2038961	11:22:54	8262	F. BASSO JR. RUBBISH REMOVAL	XT370N	NJ	6793	NULL	10	Newark City - 0714, ESSEX, NJ	11.6600
2038962	11:27:49	5778	MONTCLAIR DEPT OF PUBLIC WORKS	MG-55970	NJ	601607	NULL	10	Montclair Township - 0713, ESSEX, NJ	15.4700
2038963	11:28:14	6759	SUBURBAN DISPOSAL CORP	XV4472	NJ	769	NULL	10	Irvington Township - 0709, ESSEX, NJ	15.9000
2038964	11:29:08	8262	F. BASSO JR. RUBBISH REMOVAL	XGAG94	NJ	6800	NULL	10	Newark City - 0714, ESSEX, NJ	15.8300
2038965	11:30:25	4152	NEWARK SANITATION	MG-74634	NJ	6307	NULL	10	Newark City - 0714, ESSEX, NJ	11.7400
2038966	11:31:02	8262	BASSO/LITTLE FALLS	X81A17	NJ	6776	NULL	10	Little Falls - 1605, PASSAIC, NJ	10.6000
2038967	11:32:47	4152	NEWARK SANITATION	13637MG	NJ	4152	NULL	10	Newark City - 0714, ESSEX, NJ	11.4300
2038968	11:33:23	3660	GAETA RECYCLING	XGDE79	NJ	23856	256733	10	Montclair Township - 0713, ESSEX, NJ	6.0900
2038969	11:35:37	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15359MG	NJ	601596MON	NULL	10	Montclair Township - 0713, ESSEX, NJ	10.9900

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 14-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2038970	11:40:06	18571	INTERSTATE WASTE SERVICES	AJ819K	NY	367	218433	10	East Orange City - 0705, ESSEX, NJ	1.4900
2038971	11:42:28	6759	SUBURBAN DISPOSAL CORP	XCJW47	NJ	797	NULL	10	West Orange Township - 0722, ESSEX, NJ	15.3400
2038972	11:44:35	4152	NEWARK SANITATION	MG64612	NJ	1741	NULL	10	Newark City - 0714, ESSEX, NJ	8.6200
2038973	11:44:52	20947	NYC DOS	BA1129	NY	605753	703177	10	MN10, NEW YORK, NY	9.1500
2038974	11:45:56	4152	NEWARK SANITATION	MG31118	NJ	1714	NULL	10	Newark City - 0714, ESSEX, NJ	11.1000
2038975	11:47:24	8262	F. BASSO JR. RUBBISH REMOVAL	XF142S	NJ	6797	NULL	10	Newark City - 0714, ESSEX, NJ	10.9200
2038976	11:49:35	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.4900
2038977	11:52:57	4152	NEWARK SANITATION	MG86991	NJ	1752	NULL	10	Newark City - 0714, ESSEX, NJ	6.0900
2038978	11:53:50	6759	SUBURBAN DISPOSAL CORP	XCTW45	NJ	866	NULL	10	West Orange Township - 0722, ESSEX, NJ	14.9000
2038979	11:59:13	17273	WASTE MGT OF NEW JERSEY	AT210C	NJ	9300	246170	10	Newark City - 0714, ESSEX, NJ	10.8800
2038980	12:01:43	4500	JOSEPH SMENTKOWSKI	XEJN37	NJ	14794	NULL	10	Roseland Borough - 0718, ESSEX, NJ	11.1200
2038981	12:05:04	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	17.7800
2038982	12:05:24	8262	F. BASSO JR. RUBBISH REMOVAL	XFNW31	NJ	6775	NULL	10	Nutley Township - 0716, ESSEX, NJ	17.4400
2038983	12:12:25	2931	T. FARESE & SONS INC	XFNG30	NJ	18482	258799	10	Newark City - 0714, ESSEX, NJ	4.6000
2038984	12:12:59	4152	NEWARK SANITATION	13639MG	NJ	4152	NULL	10	Newark City - 0714, ESSEX, NJ	10.6600
2038985	12:13:32	8262	F. BASSO JR. RUBBISH REMOVAL	XCLC64	NJ	7734	NULL	10	Newark City - 0714, ESSEX, NJ	13.1500
2038986	12:14:39	8262	F. BASSO JR. RUBBISH REMOVAL	XGZA49	NJ	6808	NULL	10	Newark City - 0714, ESSEX, NJ	12.2900
2038987	12:15:14	8653	ACTION CARTING ENVIRONMENTAL	AT140H	NJ	512	218941	27	Clifton City - 1602, PASSAIC, NJ	8.1600
2038988	12:16:01	2931	T. FARESE & SONS INC	XZ414D	NJ	10284	NULL	10	Essex Fells Borough - 0706, ESSEX, NJ	11.4300
2038989	12:16:21	18571	INTERSTATE WASTE	AU621J	NJ	24348	218704	27	International - 9900, NEW YORK, NY	0.2800
2038990	12:18:10	4152	NEWARK SANITATION	MG13641	NJ	603027	NULL	10	Newark City - 0714, ESSEX, NJ	15.5700
2038991	12:19:15	2931	T. FARESE & SONS INC	XHES31	NJ	26555	NULL	10	Clifton City - 1602, PASSAIC, NJ	12.8100
2038992	12:25:30	8262	F. BASSO JR. RUBBISH REMOVAL	XBFN88	NJ	6792	NULL	10	Newark City - 0714, ESSEX, NJ	15.2400
2038993	12:25:39	6759	SUBURBAN DISPOSAL CORP	XDNU26	NJ	807	NULL	10	Glen Ridge - 0708, ESSEX, NJ	8.5400
2038994	12:27:26	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256673	27	International - 9900, NEW YORK, NY	0.2400
2038995	12:29:37	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218187	10	East Orange City - 0705, ESSEX, NJ	0.9400
2038996	12:30:58	36344	COMMERCIAL DISTRICT SERVICES LLC	XV378F	NJ	8482	8482	10	Newark City - 0714, ESSEX, NJ	0.4600
2038997	12:31:35	17273	WASTE MANAGEMENT	AS236R	NJ	9434	24681	27	International - 9900, NEW YORK, NY	12.2800
2038998	12:34:07	8262	F. BASSO JR. RUBBISH REMOVAL	XELE17	NJ	6788	NULL	10	Newark City - 0714, ESSEX, NJ	8.9300
2039000	12:37:19	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	5.7300
2039001	12:38:53	18571	INTERSTATE WASTE	AP319U	NJ	444	NULL	10	Passaic City - 1607, PASSAIC, NJ	14.6400
2039003	12:42:49	4152	NEWARK SANITATION	34869MG	NJ	704274	NULL	10	Newark City - 0714, ESSEX, NJ	10.6700
2039004	12:43:11	2931	T. FARESE & SONS INC	XW720L	NJ	10277	NULL	10	Clifton City - 1602, PASSAIC, NJ	16.3300
2039005	12:44:55	17273	WASTE MANAGEMENT	AN429J	NJ	9286	246351	27	International - 9900, NEW YORK, NY	3.5800
2039006	12:48:25	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	NULL	10	Irvington Township - 0709, ESSEX, NJ	10.1400
2039007	12:49:22	36344	COMMERCIAL DISTRICT SERVICES LLC	X2125U	NJ	8481	8481	10	Newark City - 0714, ESSEX, NJ	0.6100
2039008	12:50:49	7847	GIORDANO TRUCKING	XBKA72	NJ	3082	NULL	10	Milburn Township - 0712, ESSEX, NJ	11.8300
2039009	12:51:19	28907	WASTE INDUSTRIES	XR563W	NJ	17285	NULL	10	Verona Borough - 0720, ESSEX, NJ	11.0800
2039010	12:55:02	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	258849	10	Newark City - 0714, ESSEX, NJ	0.8400
2039011	12:58:21	4152	NEWARK SANITATION	13638MG	NJ	9289	NULL	10	Newark City - 0714, ESSEX, NJ	9.8600
2039012	12:59:19	2884	LOUIS T. ROSELLE, INC.-	XDBV13	NJ	878	NULL	10	West Orange Township - 0722, ESSEX, NJ	14.9400
2039013	13:07:56	9330	CALI CARTING	XW449Z	NJ	13184	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	14.5500
2039014	13:08:22	8262	F. BASSO JR. RUBBISH REMOVAL	XGVBS7	NJ	6814	NULL	10	Newark City - 0714, ESSEX, NJ	16.1700
2039015	13:12:13	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714, ESSEX, NJ	13.3200
2039016	13:12:38	2931	T. FARESE & SONS INC	XBEE35	NJ	10297	NULL	10	Clifton City - 1602, PASSAIC, NJ	19.1400
2039017	13:13:41	18571	INTERSTATE WASTE SERVICES	AJ819K	NY	367	219424	10	East Orange City - 0705, ESSEX, NJ	0.8000
2039018	13:14:47	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY65	NJ	6787	NULL	10	Newark City - 0714, ESSEX, NJ	11.7200

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 14-Jun-2019

FACILITY NUMBER:

133546

Ticket No	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039019	13:16:10	6759	SUBURBAN DISPOSAL CORP	XCKM66	NJ	806	NULL	10	West Orange Township - 0722, ESSEX, NJ	16.1000
2039020	13:16:54	10734	SOUTH ORANGE DISPOSAL COMPANY	XW793S	NJ	4604	NULL	10	South Orange Village - 0719, ESSEX, NJ	12.2000
2039021	13:17:11	8262	F. BASSO JR. RUBBISH REMOVAL	XELC12	NJ	6795	NULL	10	Newark City - 0714, ESSEX, NJ	10.5700
2039022	13:18:38	28907	WASTE INDUSTRIES	XE158E	NJ	17035	NULL	10	Livingston Township - 0710, ESSEX, NJ	11.5300
2039023	13:18:54	6759	SUBURBAN DISPOSAL CORP	XELF77	NJ	892	NULL	10	Fairfield Borough - 0707, ESSEX, NJ	14.2500
2039024	13:20:36	28907	WASTE INDUSTRIES	XD629R	NJ	12618	NULL	10	Livingston Township - 0710, ESSEX, NJ	11.8700
2039025	13:25:11	28907	WASTE INDUSTRIES	XR605W	NJ	12629	NULL	10	Livingston Township - 0710, ESSEX, NJ	13.2200
2039026	13:25:35	4152	NEWARK SANITATION	13640MG	NJ	9291	NULL	10	Newark City - 0714, ESSEX, NJ	10.5000
2039027	13:28:58	9330	CALI CARTING	XDLW76	NJ	13162	NULL	10	Newark City - 0714, ESSEX, NJ	12.1400
2039028	13:31:08	18571	INTERSTATE WASTE SERVICES	AP327U	NY	4337	218154	10	Newark City - 0714, ESSEX, NJ	7.3600
2039029	13:41:39	2931	T. FARESE & SONS INC	XV877Z	NJ	10301	NULL	10	Passaic City - 1607, PASSAIC, NJ	8.8200
2039030	13:45:02	28907	WASTE INDUSTRIES	XR979W	NJ	17032	NULL	10	Verona Borough - 0720, ESSEX, NJ	10.5000
2039031	13:46:24	9330	CALI CARTING	XDCX97	NJ	13163	NULL	10	Newark City - 0714, ESSEX, NJ	3.8900
2039032	13:47:32	18571	INTERSTATE WASTE	AU257P	NJ	25413	NULL	10	Passaic City - 1607, PASSAIC, NJ	7.9500
2039033	13:48:29	3660	GAETA RECYCLING	XAPH27	NJ	10375	NULL	10	Newark City - 0714, ESSEX, NJ	13.8400
2039034	14:02:16	4152	NEWARK SANITATION	MG14497	NJ	6604844	NULL	10	Newark City - 0714, ESSEX, NJ	10.1500
2039035	14:04:43	18571	INTERSTATE WASTE SERVICES	AT208U	NY	4416	217075	10	Fairfield Borough - 0707, ESSEX, NJ	1.3000
2039036	14:10:28	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	868	NULL	10	Oakland Boro - 0242, BERGEN, NJ	11.5800
2039037	14:13:07	6759	SUBURBAN DISPOSAL CORP	XHGM99	NJ	26723	NULL	10	Oakland Boro - 0242, BERGEN, NJ	12.4700
2039038	14:17:56	17273	WASTE MGT OF NEW JERSEY	AN603P	NJ	9278	NULL	10	Maplewood Township - 0711, ESSEX, NJ	4.5500
2039039	14:20:56	17273	WASTE MGT OF NEW JERSEY	AN608N	NJ	9270	NULL	10	Maplewood Township - 0711, ESSEX, NJ	10.0500
2039040	14:31:34	6759	SUBURBAN DISPOSAL CORP	XCVR46	NJ	825	NULL	10	East Orange City - 0705, ESSEX, NJ	12.3000
2039041	14:34:25	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256546	27	International - 9900, NEW YORK, NY	0.2500
2039042	14:45:04	6759	SUBURBAN DISPOSAL CORP	AP175E	NJ	778	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	9.5300
2039043	14:49:33	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	4.4800
2039044	14:56:42	20219	COAST TO COAST SERVICES	ZJR3067	NJ	9149	NULL	27	International - 9900, NEW YORK, NY	0.8200
2039045	15:07:18	20219	COAST TO COAST SERVICES	ZJR3067	NJ	9149	NULL	27	International - 9900, NEW YORK, NY	0.0900
2039046	15:09:00	2931	T. FARESE & SONS INC	XASY72	NJ	10292	NULL	10	Clifton City - 1602, PASSAIC, NJ	8.0400
2039047	15:12:19	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	801	NULL	10	Belleville Township - 0701, ESSEX, NJ	16.1300
2039048	15:44:33	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218450	10	Newark City - 0714, ESSEX, NJ	3.2300
2039049	16:07:03	2931	T. FARESE & SONS INC	XGNK79	NJ	24872	NULL	10	Newark City - 0714, ESSEX, NJ	2.0500
2039050	18:03:09	20947	NYC DOS	BB5420	NY	20947	NULL	10	MN10, NEW YORK, NY	13.1400
2039051	18:28:22	20947	NYC DOS	AZ4036	NY	605446	NULL	10	MN12, NEW YORK, NY	11.9400
2039052	18:39:57	20947	NYC DOS	AZ4137	NY	608524	NULL	10	MN12, NEW YORK, NY	12.8700
2039053	19:16:59	17273	WASTE MANAGEMENT	AU420B	NJ	9450	246426	27	International - 9900, NEW YORK, NY	8.2200
2039054	19:27:03	17273	WASTE MANAGEMENT	AN429J	NJ	9286	246352	27	International - 9900, NEW YORK, NY	5.8600
2039055	19:27:42	20947	NYC DOS	AZ4035	NY	605397	NULL	10	MN12, NEW YORK, NY	9.5200
2039056	19:29:40	20947	NYC DOS	AU7029	NY	603687	NULL	10	MN12, NEW YORK, NY	14.7400
2039057	19:45:30	20947	NYC DOS	AX2805	NY	603894	NULL	10	MN01, NEW YORK, NY	10.6700
2039058	19:49:33	20947	NYC DOS	AU7961	NY	603755	NULL	10	MN07, NEW YORK, NY	9.1200
2039059	19:52:07	20947	NYC DOS	AZ1849	NY	603443	NULL	10	MN07, NEW YORK, NY	10.8200
2039060	20:00:18	20947	NYC DOS	BB4767	NY	606187	NULL	10	MN10, NEW YORK, NY	14.7300
2039061	20:03:18	20947	NYC DOS	AZ4025	NY	605381	NULL	10	MN02, NEW YORK, NY	9.7900
2039062	20:10:44	20947	NYC DOS	AW4205	NY	604082	NULL	10	MN02, NEW YORK, NY	10.4500
2039063	20:11:57	20947	NYC DOS	AU8025	NY	7663	NULL	10	MN04, NEW YORK, NY	9.0300
2039064	20:14:21	20947	NYC DOS	AU7861	NY	604211	NULL	10	MN04, NEW YORK, NY	10.0400
2039065	20:14:44	20947	NYC DOS	AD5769	NY	8816	NULL	10	MN10, NEW YORK, NY	13.2500

New Jersey Department of Environmental Protection
 Division of Solid and Hazardous Waste
 DAILY RECORD OF WASTES RECEIVED
 N.J.A.C. 7:26-2.13

FACILITY NAME: COVANTA ESSEX

DATE: 14-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039066	20:17:25	20947	NYC DOS	BA11131	NY	605735	NULL	10	MN07, NEW YORK, NY	11.9100
2039067	20:19:23	20947	NYC DOS	AZ5551	NY	604056	NULL	10	MN09, NEW YORK, NY	8.7400
2039068	20:30:19	20947	NYC DOS	BB2675	NY	606269	NULL	10	MN10, NEW YORK, NY	11.1500
2039069	20:36:27	20947	NYC DOS	AZ3426	NY	20947	NULL	10	MN03, NEW YORK, NY	12.6000
2039070	20:42:25	17273	WASTE MANAGEMENT	AN429J	NJ	9286	246355	27	Bayonne City - 0901, HUDSON, NJ	6.4300
2039071	20:49:49	20947	NYC DOS	AW5079	NY	604059	NULL	10	MN12, NEW YORK, NY	10.6500
2039072	20:55:56	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714, ESSEX, NJ	2.4000
2039073	21:05:12	4152	NEWARK SANITATION	MG64612	NJ	1741	NULL	10	Newark City - 0714, ESSEX, NJ	1.4900
2039074	21:06:20	20947	NYC DOS	AZ5181	NY	20947	NULL	10	MN07, NEW YORK, NY	12.5200
2039075	21:15:43	20947	NYC DOS	AU8506	NY	605903	NULL	10	MN12, NEW YORK, NY	10.1300
2039076	21:18:45	20947	NYC DOS	AZ1846	NY	605441	NULL	10	MN07, NEW YORK, NY	11.1200
2039077	21:19:31	20947	NYC DOS	AZ24136	NY	605522	NULL	10	MN12, NEW YORK, NY	11.8400
2039078	21:20:14	20947	NYC DOS	AZ8761	NY	605747	NULL	10	MN12, NEW YORK, NY	9.8400
2039079	21:25:29	20947	NYC DOS	AW6145	NY	604307	NULL	10	MN12, NEW YORK, NY	9.7300
2039080	21:29:21	20947	NYC DOS	AU8435	NY	605451	NULL	10	MN12, NEW YORK, NY	11.4600
2039081	21:33:51	20947	NYC DOS	AU7859	NY	4991	NULL	10	MN04, NEW YORK, NY	14.0600
2039082	21:36:02	20947	NYC DOS	AD5469	NY	9071	NULL	10	MN10, NEW YORK, NY	5.0600
2039083	21:40:01	20947	NYC DOS	AU8007	NY	7363	NULL	10	MN07, NEW YORK, NY	5.3900
2039084	21:55:40	17273	WASTE MANAGEMENT	AN429J	NJ	9286	24635	27	Bayonne City - 0901, HUDSON, NJ	1.4700
2039085	21:56:22	20947	NYC DOS	AW4960	NY	604075	NULL	10	MN02, NEW YORK, NY	11.3000
2039086	21:59:40	20947	NYC DOS	AD5826	NY	604270	NULL	10	MN02, NEW YORK, NY	9.8600
2039087	22:18:57	21408	GAETA INTERIOR DEMOLOTION	76418PC	NY	6195	263611	10	New York - 3000, NEW YORK, NY	7.2900
2039088	22:29:51	20947	NYC DOS	AZ4103	NY	605469	NULL	10	MN12, NEW YORK, NY	9.8300
2039089	22:30:18	4152	NEWARK SANITATION	MG64614	NJ	1743	NULL	10	Newark City - 0714, ESSEX, NJ	2.1400
2039090	23:06:46	17273	WASTE MANAGEMENT	AN429J	NJ	9286	246357	27	Bayonne City - 0901, HUDSON, NJ	3.5800
2039091	23:54:14	20947	NYC DOS	AW4211	NY	604081	NULL	10	MN12, NEW YORK, NY	10.3400
Total Tons Received									2,817.4500	

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 15-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	NYC DOS	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039092	00:01:52	20947	NYC DOS		AW5636	NY	604053	703068	10	MN10, NEW YORK, NY	4.7200
2039093	00:04:16	20947	NYC DOS		AU8739	NY	604191	703329	10	MN10, NEW YORK, NY	7.5900
2039094	00:06:42	20947	NYC DOS		AZ6612	NY	605601	NULL	10	MN01, NEW YORK, NY	13.3800
2039095	00:07:30	20947	NYC DOS		AD5568	NY	604192	703084	10	MN03, NEW YORK, NY	10.1700
2039096	00:09:54	20947	NYC DOS		AU7810	NY	603664	NULL	10	MN10, NEW YORK, NY	11.6600
2039097	00:11:37	20947	NYC DOS		AU7904	NY	603743	NULL	10	MN07, NEW YORK, NY	11.5100
2039098	00:16:47	20947	NYC DOS		AW5077	NY	604050	703164	10	MN10, NEW YORK, NY	5.9400
2039099	00:21:25	20947	NYC DOS		AW4195	NY	604085	NULL	10	MN02, NEW YORK, NY	7.4200
2039100	00:22:04	20947	NYC DOS		AZ9289	NY	605754	703169	10	MN10, NEW YORK, NY	9.0900
2039101	00:25:07	20947	NYC DOS		AU9919	NY	604159	704670	10	MN10, NEW YORK, NY	5.5700
2039102	00:26:07	20947	NYC DOS		AU7020	NY	605296	NULL	10	MN04, NEW YORK, NY	13.3400
2039103	00:27:12	20947	NYC DOS		AZ4023	NY	605379	NULL	10	MN07, NEW YORK, NY	11.8500
2039104	00:28:12	20947	NYC DOS		AZ9554	NY	605742	NULL	10	MN10, NEW YORK, NY	12.1000
2039105	00:36:12	20947	NYC DOS		AD5704	NY	604252	NULL	10	MN07, NEW YORK, NY	10.9500
2039106	00:37:49	20947	NYC DOS		AW4983	NY	604055	703281	10	MN03, NEW YORK, NY	10.0000
2039107	00:38:23	20947	NYC DOS		AU7958	NY	603789	NULL	10	MN07, NEW YORK, NY	9.9200
2039108	00:41:22	20947	NYC DOS		AW5078	NY	9624	703207	10	MN03, NEW YORK, NY	5.3500
2039109	00:42:43	20947	NYC DOS		AU8443	NY	605899	NULL	10	MN12, NEW YORK, NY	7.2200
2039110	00:47:06	20947	NYC DOS		AU7950	NY	604111	NULL	10	MN07, NEW YORK, NY	10.7100
2039111	00:48:18	20947	NYC DOS		AU7790	NY	7815	NULL	10	MN07, NEW YORK, NY	11.9900
2039112	01:01:02	20947	NYC DOS		AU8458	NY	605459	NULL	10	MN03, NEW YORK, NY	11.2800
2039113	01:01:50	20947	NYC DOS		AZ4137	NY	605467	NULL	10	MN03, NEW YORK, NY	12.3000
2039114	01:05:05	20947	NYC DOS		AD5224	NY	604265	NULL	10	MN12, NEW YORK, NY	12.0600
2039115	01:05:42	20947	NYC DOS		AZ8664	NY	605749	NULL	10	MN02, NEW YORK, NY	8.1100
2039116	01:12:01	20947	NYC DOS		AW4967	NY	604073	NULL	10	MN03, NEW YORK, NY	12.1000
2039117	01:13:09	20947	NYC DOS		AW9222	NY	605905	NULL	10	MN10, NEW YORK, NY	14.3200
2039118	01:13:46	2474	FLAG CONTAINER SERVICES, INC.		AU128R	NY	25663	NULL	10	New York - 3000, NEW YORK, NY	9.7000
2039119	01:15:32	20947	NYC DOS		AD5601	NY	8837	NULL	10	MN01, NEW YORK, NY	10.8000
2039120	01:22:03	20947	NYC DOS		AU8259	NY	605452	NULL	10	MN10, NEW YORK, NY	10.5100
2039121	01:24:13	20947	NYC DOS		AU8094	NY	603768	NULL	10	MN12, NEW YORK, NY	10.2200
2039122	01:28:51	20947	NYC DOS		AU7840	NY	603627	NULL	10	MN03, NEW YORK, NY	11.8300
2039123	01:34:04	20947	NYC DOS		AU8098	NY	603777	NULL	10	MN12, NEW YORK, NY	10.3200
2039124	01:35:30	20947	NYC DOS		AW5636	NY	604053	703137	10	MN10, NEW YORK, NY	9.9500
2039125	01:40:51	20947	NYC DOS		AU8739	NY	604191	703122	10	MN03, NEW YORK, NY	8.3100
2039126	01:42:35	20947	NYC DOS		AU7963	NY	603752	NULL	10	MN07, NEW YORK, NY	11.5100
2039127	01:44:51	20947	NYC DOS		AZ8667	NY	605738	NULL	10	MN07, NEW YORK, NY	11.1900
2039128	01:46:00	20947	NYC DOS		AU8013	NY	8512	NULL	10	MN09, NEW YORK, NY	9.1500
2039129	01:47:49	20947	NYC DOS		AW5077	NY	604050	703184	10	MN10, NEW YORK, NY	7.6200
2039130	01:53:03	20947	NYC DOS		AX3773	NY	10002	NULL	10	MN04, NEW YORK, NY	10.4500
2039131	01:56:35	20947	NYC DOS		AU8496	NY	605906	NULL	10	MN12, NEW YORK, NY	11.8600
2039132	02:01:48	20947	NYC DOS		AU9919	NY	604159	703190	10	MN10, NEW YORK, NY	7.5000
2039133	02:03:47	20947	NYC DOS		AZ9289	NY	605754	703175	10	MN10, NEW YORK, NY	6.4100
2039134	02:18:14	20947	NYC DOS		AW5078	NY	9624	703213	10	MN03, NEW YORK, NY	8.6700
2039135	02:23:00	20947	NYC DOS		AD5143	NY	603603	NULL	10	MN01, NEW YORK, NY	14.5800
2039136	02:27:45	20947	NYC DOS		AU7857	NY	604244	NULL	10	MN04, NEW YORK, NY	8.7300
2039137	02:32:24	20947	NYC DOS		AU7831	NY	603745	NULL	10	MN03, NEW YORK, NY	10.5000
2039138	02:34:43	20947	NYC DOS		AW4262	NY	604079	NULL	10	MN03, NEW YORK, NY	11.7900

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 15-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039139	02:40:54	20947	NYC DOS	AU7965	NY	603715	NULL	10	MN07, NEW YORK, NY	12.5600
2039140	02:57:13	30413	FLASH RECYCLING CORP	49076PC	NY	1203	NULL	10	New York - 3000, NEW YORK, NY	11.5800
2039141	02:59:07	2931	T. FARESE & SONS INC	XFAD17	NJ	10246	258599	10	Clifton City - 1802, PASSAIC, NJ	2.0000
2039142	02:59:41	20947	NYC DOS	AU7951	NY	604097	NULL	10	MN07, NEW YORK, NY	12.3100
2039143	03:15:04	17273	WASTE MANAGEMENT	AU224K	NJ	9927	245508	27	International - 9900, NEW YORK, NY	2.8200
2039144	03:17:46	20947	NYC DOS	AZ8766	NY	605744	NULL	10	MN03, NEW YORK, NY	14.2900
2039145	03:18:09	20947	NYC DOS	BA1797	NY	605830	NULL	10	MN03, NEW YORK, NY	13.3100
2039146	03:39:30	20947	NYC DOS	AW5077	NY	604050	703165	10	MN10, NEW YORK, NY	5.6200
2039147	03:40:27	20947	NYC DOS	AU7868	NY	604331	NULL	10	MN04, NEW YORK, NY	10.9000
2039148	03:41:37	20947	NYC DOS	AW5636	NY	604053	703136	10	MN10, NEW YORK, NY	5.1900
2039149	03:47:45	18571	INTERSTATE WASTE	AU547P	NJ	25465	NULL	10	Passaic City - 1607, PASSAIC, NJ	16.2000
2039150	03:49:05	20947	NYC DOS	AU8739	NY	604191	704668	10	MN10, NEW YORK, NY	6.1500
2039151	03:49:29	20947	NYC DOS	AZ9289	NY	605754	703182	10	MN10, NEW YORK, NY	5.0600
2039152	03:53:23	8262	F. BASSO JR. RUBBISH REMOVAL	XGJS14	NJ	6085	NULL	10	Cedar Grove - 0704, ESSEX, NJ	14.9500
2039153	03:54:10	18571	INTERSTATE WASTE SERVICES	AS976G	NY	489	NULL	10	Orange, City Of - 0717, ESSEX, NJ	13.2600
2039154	03:57:51	20947	NYC DOS	AU7968	NY	603617	NULL	10	MN07, NEW YORK, NY	7.7300
2039155	04:04:09	18571	INTERSTATE WASTE SERVICES	AS278R	NY	389	218441	10	Newark City - 0714, ESSEX, NJ	5.2300
2039156	04:21:40	20947	NYC DOS	AW5078	NY	9624	703067	10	MN03, NEW YORK, NY	7.0000
2039157	04:26:53	20947	NYC DOS	AU7027	NY	7744	NULL	10	MN12, NEW YORK, NY	9.7600
2039158	04:30:14	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	14.7900
2039159	04:41:56	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	NULL	10	Belleville Township - 0701, ESSEX, NJ	10.7300
2039160	04:51:13	18571	INTERSTATE WASTE SERVICES	AU905V	NY	26675	219134	10	Milburn Township - 0712, ESSEX, NJ	3.4100
2039161	04:52:43	2884	LOUIS T. ROSELLE, INC. -	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	10.1300
2039162	04:53:48	6759	SUBURBAN DISPOSAL CORP	XV4472	NJ	769	NULL	10	East Orange City - 0705, ESSEX, NJ	16.3800
2039163	05:03:54	2884	LOUIS T. ROSELLE, INC. -	XCXB78	NJ	760	NULL	10	West Orange Township - 0722, ESSEX, NJ	12.2400
2039164	05:11:25	17273	WASTE MANAGEMENT	AU224K	NJ	9927	240302	27	International - 9900, NEW YORK, NY	6.4200
2039165	05:15:59	6759	SUBURBAN DISPOSAL CORP	XCVR20	NJ	816	NULL	10	East Orange City - 0705, ESSEX, NJ	8.3000
2039166	05:19:29	17273	WASTE MANAGEMENT	AU222K	NJ	9925	246481	27	International - 9900, NEW YORK, NY	9.6900
2039167	05:21:03	3660	GAETA RECYCLING	XFEM31	NJ	18712	NULL	10	Franklin Lakes - 0220, BERGEN, NJ	6.2100
2039168	05:25:05	6759	SUBURBAN DISPOSAL CORP	X5174K	NJ	894	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	11.6100
2039169	05:36:07	32797	INTER-REGIONAL DISPOSAL	AT740C	NJ	10961	NULL	10	New York - 3000, NEW YORK, NY	11.2200
2039170	05:44:41	2931	T. FARESE & SONS INC	XFAD18	NJ	10240	258834	10	Passaic City - 1607, PASSAIC, NJ	9.8100
2039171	05:51:50	6759	SUBURBAN DISPOSAL CORP	XEMT59	NJ	888	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	5.9200
2039172	05:54:32	6759	SUBURBAN DISPOSAL CORP	X3648BV	NJ	783	NULL	10	Irvington Township - 0709, ESSEX, NJ	14.2300
2039173	05:57:34	2884	LOUIS T. ROSELLE, INC. -	XK975C	NJ	859	258082	10	West Orange Township - 0722, ESSEX, NJ	3.5400
2039174	05:58:15	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	11.8200
2039175	06:02:35	1154	M&M SANITATION	AS506A	NJ	1130	NULL	10	New York - 3000, NEW YORK, NY	13.6600
2039176	06:03:22	6759	SUBURBAN DISPOSAL CORP	XCVR36	NJ	822	NULL	10	Belleville Township - 0701, ESSEX, NJ	14.8300
2039177	06:03:45	4500	JOSEPH SMENTKOWSKI	XAAU30	NJ	14759	NULL	10	Orange, City Of - 0717, ESSEX, NJ	16.1100
2039178	06:09:33	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	258852	10	Newark City - 0714, ESSEX, NJ	4.8000
2039179	06:10:26	17273	WASTE MANAGEMENT	AU222K	NJ	9925	246426	27	International - 9900, NEW YORK, NY	5.1900
2039181	06:25:34	18571	INTERSTATE WASTE SERVICES	AU905V	NY	26675	218797	10	Milburn Township - 0712, ESSEX, NJ	3.6100
2039183	06:49:11	18571	INTERSTATE WASTE SERVICES	AS278R	NY	389	218302	10	Livingston Township - 0710, ESSEX, NJ	7.6300
2039184	06:49:23	18571	INTERSTATE WASTE	AU621J	NJ	24348	217026	27	International - 9900, NEW YORK, NY	9.3700
2039186	07:01:58	20947	NYC DOS	BA1486	NY	605751	703268	10	MN03, NEW YORK, NY	8.8700
2039187	07:06:53	2884	LOUIS T. ROSELLE, INC. -	XAVA69	NJ	874A	205009	10	Montclair Township - 0713, ESSEX, NJ	3.3300
2039188	07:16:20	9330	CALI CARTING	XDCX97	NJ	13163	NULL	10	Newark City - 0714, ESSEX, NJ	8.9900

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
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FACILITY NAME: COVANTA ESSEX

DATE: 15-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039189	07:16:26	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	241431	10	Newark City - 0714, ESSEX, NJ	2.5600
2039190	07:18:07	20947	NYC DOS	AZ9294	NY	20947	704600	10	MN03, NEW YORK, NY	6.1300
2039191	07:23:49	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	241378	10	Clifton City - 1602, PASSAIC, NJ	3.3000
2039192	07:31:35	20947	NYC DOS	AW4983	NY	604055	703270	10	MN03, NEW YORK, NY	5.7200
2039193	07:35:30	8262	F BASSO JR. RUBBISH REMOVAL	XGJR56	NJ	6803	NULL	10	North Caldwell Township - 0715, ESSEX, NJ	12.0400
2039195	07:44:50	9330	CALI CARTING	XDYL17	NJ	13177	NULL	10	Newark City - 0714, ESSEX, NJ	15.4600
2039196	07:45:26	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	10.2500
2039197	07:45:39	2986	ALLEGRO SANITATION	XFEM46	NJ	15629	257545	10	Newark City - 0714, ESSEX, NJ	8.0400
2039198	07:54:04	2931	T. FARESE & SONS INC	XFNH33	NJ	2931	NULL	10	Passaic City - 1607, PASSAIC, NJ	14.8400
2039199	08:09:06	2884	LOUIS T. ROSELLE, INC.	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	6.4700
2039200	08:11:14	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	266155	10	Clifton City - 1602, PASSAIC, NJ	0.6700
2039201	08:19:34	18571	INTERSTATE WASTE	AU257P	NJ	25413	NULL	10	Passaic City - 1607, PASSAIC, NJ	14.5300
2039202	08:20:06	20947	NYC DOS	AZ1804	NY	605444	NULL	10	MN04, NEW YORK, NY	7.3300
2039203	08:21:00	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	4.5600
2039204	08:24:53	1154	M&M SANITATION	AR603G	NJ	098	NULL	10	New York - 3000, NEW YORK, NY	3.8700
2039205	08:31:56	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	241225	10	Newark City - 0714, ESSEX, NJ	4.9000
2039206	08:32:49	20947	NYC DOS	BA2300	NY	605833	NULL	10	MN04, NEW YORK, NY	13.6700
2039207	08:33:08	20947	NYC DOS	AE1695	NY	604340	NULL	10	MN04, NEW YORK, NY	9.9200
2039208	08:34:54	20947	NYC DOS	BA1797	NY	605830	NULL	10	MN03, NEW YORK, NY	9.5700
2039209	08:37:22	2884	LOUIS T. ROSELLE, INC.	XAVA69	NJ	874A	268946	10	Verona Borough - 0720, ESSEX, NJ	2.2600
2039211	08:53:42	18571	INTERSTATE WASTE SERVICES	AP339U	NJ	414	NULL	10	Fairfield Borough - 0707, ESSEX, NJ	11.5000
2039212	08:54:28	18571	INTERSTATE WASTE SERVICES	AP327U	NY	4337	218033	10	Newark City - 0714, ESSEX, NJ	2.0900
2039213	08:56:41	6759	SUBURBAN DISPOSAL CORP	XCTW45	NJ	866	NULL	10	West Orange Township - 0722, ESSEX, NJ	10.4300
2039214	08:57:39	20947	NYC DOS	AU8013	NY	8512	NULL	10	MN09, NEW YORK, NY	10.8800
2039215	08:58:20	2931	T. FARESE & SONS INC	XGGX23	NJ	24874	NULL	10	Newark City - 0714, ESSEX, NJ	2.2100
2039216	08:59:34	18571	INTERSTATE WASTE	AT619D	NJ	4439	NULL	10	Passaic City - 1607, PASSAIC, NJ	16.6400
2039217	09:07:34	17273	WASTE MANAGEMENT	AU222K	NJ	9925	246283	27	International - 9900, NEW YORK, NY	7.2100
2039218	09:08:32	20947	NYC DOS	AZ8018	NY	605655	NULL	10	MN09, NEW YORK, NY	9.5300
2039219	09:11:47	20947	NYC DOS	AU7867	NY	603800	NULL	10	MN04, NEW YORK, NY	12.0000
2039220	09:16:25	2931	T. FARESE & SONS INC	XGGX42	NJ	24870	241181	10	Wayne Twp - 1614, PASSAIC, NJ	3.5800
2039221	09:17:40	20947	NYC DOS	AU9919	NY	604159	704644	10	MN10, NEW YORK, NY	7.0300
2039222	09:22:51	20947	NYC DOS	AU8010	NY	7775	NULL	10	MN09, NEW YORK, NY	12.1000
2039223	09:23:59	20947	NYC DOS	AW4226	NY	604080	NULL	10	MN02, NEW YORK, NY	9.3900
2039224	09:25:36	20947	NYC DOS	BA2246	NY	605835	NULL	10	MN08, NEW YORK, NY	11.1900
2039225	09:27:27	20947	NYC DOS	AU8011	NY	8404	NULL	10	MN09, NEW YORK, NY	10.7200
2039226	09:28:43	3660	GAETA RECYCLING	XDBG84	NJ	10401	NULL	10	Franklin Lakes - 0220, BERGEN, NJ	15.6800
2039227	09:31:48	6759	SUBURBAN DISPOSAL CORP	XCJW47	NJ	797	NULL	10	West Orange Township - 0722, ESSEX, NJ	15.2900
2039228	09:36:44	20947	NYC DOS	AZ5179	NY	605520	NULL	10	MN09, NEW YORK, NY	11.0600
2039229	09:38:26	9330	CALI CARTING	XY134H	NJ	13186	NULL	10	Caldwell Borough - 0703, ESSEX, NJ	18.8100
2039230	09:39:22	20947	NYC DOS	AW4205	NY	604082	NULL	10	MN02, NEW YORK, NY	6.3500
2039231	09:44:46	1154	M&M SANITATION	AP438X	NJ	1132	NULL	10	New York - 3000, NEW YORK, NY	11.0600
2039232	09:45:24	20947	NYC DOS	BA1977	NY	605908	NULL	10	MN04, NEW YORK, NY	11.2400
2039233	09:48:00	20947	NYC DOS	AZ9519	NY	606074	NULL	10	MN09, NEW YORK, NY	11.9200
2039234	09:51:48	20947	NYC DOS	AU8739	NY	604191	703147	10	MN10, NEW YORK, NY	9.2000
2039235	10:06:01	4500	JOSEPH SMENTKOWSKI	XFHP79	NJ	22126	NULL	10	Orange City Of - 0717, ESSEX, NJ	12.8600
2039236	10:06:26	20947	NYC DOS	AW4983	NY	604055	704666	10	MN03, NEW YORK, NY	7.7200
2039237	10:09:54	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.4900

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Division of Solid and Hazardous Waste
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FACILITY NAME: COVANTA ESSEX

DATE: 15-Jun-2019

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133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039238	10:16:42	6759	SUBURBAN DISPOSAL CORP	XX200Z	NJ	771	NULL	10	East Orange City - 0705, ESSEX, NJ	18.5400
2039239	10:17:28	6759	SUBURBAN DISPOSAL CORP	XAAX62	NJ	781	NULL	10	Irvington Township - 0709, ESSEX, NJ	9.3100
2039240	10:23:22	6759	SUBURBAN DISPOSAL CORP	XE520J	NJ	856	NULL	10	Irvington Township - 0709, ESSEX, NJ	17.7000
2039241	10:24:38	20947	NYC DOS	AD5528	NY	604171	NULL	10	MN09, NEW YORK, NY	10.4800
2039242	10:29:38	2931	T. FARESE & SONS INC	XASY72	NJ	10292	NULL	10	Clifton City - 1602, PASSAIC, NJ	16.0800
2039243	10:34:55	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	19.0000
2039244	10:35:23	1154	M&M SANITATION	AU947T	NJ	108	NULL	10	New York - 3000, NEW YORK, NY	6.2600
2039245	10:38:48	6759	SUBURBAN DISPOSAL CORP	XHGN10	NJ	930	NULL	10	West Orange Township - 0722, ESSEX, NJ	9.5000
2039246	10:41:41	6759	SUBURBAN DISPOSAL CORP	XCVR41	NJ	823	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	15.0400
2039247	10:41:49	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	275857	10	Newark City - 0714, ESSEX, NJ	3.9700
2039248	10:45:03	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	NULL	10	Irvington Township - 0709, ESSEX, NJ	5.5800
2039249	10:50:32	4500	JOSEPH SMENTKOWSKI	XEJH35	NJ	14770	NULL	10	Orange City Of - 0717, ESSEX, NJ	13.4600
2039250	11:00:07	6759	SUBURBAN DISPOSAL CORP	XFUJ29	NJ	911	NULL	10	West Orange Township - 0722, ESSEX, NJ	16.6900
2039251	11:02:52	6759	SUBURBAN DISPOSAL CORP	AN820C	NJ	830	NULL	10	East Orange City - 0705, ESSEX, NJ	13.0100
2039252	11:05:01	1154	M&M SANITATION	AP705K	NJ	1124	NULL	10	New York - 3000, NEW YORK, NY	10.2500
2039253	11:06:06	2884	LOUIS T. ROSELLE, INC.	AN826C	NJ	766	204667	10	East Orange City - 0705, ESSEX, NJ	9.3500
2039254	11:10:40	6759	SUBURBAN DISPOSAL CORP	XCKM66	NJ	806	NULL	10	West Orange Township - 0722, ESSEX, NJ	11.8600
2039255	11:12:45	18571	INTERSTATE WASTE	AP319U	NJ	444	NULL	10	Passaic City - 1607, PASSAIC, NJ	16.4300
2039256	11:19:03	2884	LOUIS T. ROSELLE, INC.	AT864L	NJ	879	258064	10	Orange City Of - 0717, ESSEX, NJ	9.8800
2039257	11:26:53	18571	INTERSTATE WASTE	AU547P	NJ	25465	NULL	10	Passaic City - 1607, PASSAIC, NJ	18.8300
2039258	11:31:22	28907	WASTE INDUSTRIES	XL675Y	NJ	11509	NULL	10	Livingston Township - 0710, ESSEX, NJ	12.6200
2039259	11:32:34	6759	SUBURBAN DISPOSAL CORP	XD696H	NJ	793	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	15.0200
2039260	11:39:18	7847	GIORDANO TRUCKING	XBKA72	NJ	3082	NULL	10	Millburn Township - 0712, ESSEX, NJ	9.7000
2039261	11:49:35	6759	SUBURBAN DISPOSAL CORP	X3648BV	NJ	783	NULL	10	Irvington Township - 0709, ESSEX, NJ	14.6100
2039262	11:56:27	6759	SUBURBAN DISPOSAL CORP	AP175E	NJ	778	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	17.9100
2039263	12:04:07	18571	INTERSTATE WASTE	AU257P	NJ	25413	NULL	10	Passaic City - 1607, PASSAIC, NJ	7.6800
2039264	12:09:30	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.5100
2039265	12:12:39	6759	SUBURBAN DISPOSAL CORP	XS174K	NJ	894	NULL	10	Irvington Township - 0709, ESSEX, NJ	13.1300
2039266	12:12:53	36344	COMMERCIAL DISTRICT SERVICES LLC	XV378F	NJ	8482	8482	10	Newark City - 0714, ESSEX, NJ	0.4600
2039267	12:15:59	28907	WASTE INDUSTRIES	XE158E	NJ	17035	NULL	10	Livingston Township - 0710, ESSEX, NJ	15.5000
2039268	12:19:27	28907	WASTE INDUSTRIES	XR605W	NJ	12629	NULL	10	Livingston Township - 0710, ESSEX, NJ	10.7700
2039269	12:33:54	7847	GIORDANO TRUCKING	XGGV46	NJ	3073	NULL	10	Millburn Township - 0712, ESSEX, NJ	12.6200
2039270	12:48:28	6759	SUBURBAN DISPOSAL CORP	XCVR34	NJ	820	NULL	10	Irvington Township - 0709, ESSEX, NJ	16.9700
2039271	12:56:38	9330	CAL CARTING	XR967N	NJ	13202	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	17.5800
2039272	13:07:32	6759	SUBURBAN DISPOSAL CORP	XFUJ29	NJ	911	NULL	10	West Orange Township - 0722, ESSEX, NJ	2.1000
2039273	13:44:41	6759	SUBURBAN DISPOSAL CORP	XCVR22	NJ	834	NULL	10	Irvington Township - 0709, ESSEX, NJ	5.9200
2039274	14:08:36	18571	INTERSTATE WASTE	AS2902	NJ	4369	217026	27	International - 9900, NEW YORK, NY	2.6900
2039275	14:18:39	4152	NEWARK SANITATION	MG64614	NJ	1743	NULL	10	Newark City - 0714, ESSEX, NJ	1.4800
2039276	16:24:10	17273	WASTE MANAGEMENT	AS394P	NJ	9739	246481	27	International - 9900, NEW YORK, NY	9.1000
2039277	16:51:33	20219	COAST TO COAST SERVICES	ZJR3067	NJ	9149	NULL	27	International - 9900, NEW YORK, NY	1.7700
2039278	16:56:07	20947	NYC DOS	AU7965	NY	603715	NULL	10	MN07, NEW YORK, NY	14.1700
2039279	17:00:50	20947	NYC DOS	AU8098	NY	603777	NULL	10	MN12, NEW YORK, NY	11.0600
2039280	17:02:19	20947	NYC DOS	BB5160	NY	608178	NULL	10	MN02, NEW YORK, NY	12.9800
2039281	17:03:29	20947	NYC DOS	AZ4316	NY	605466	NULL	10	MN02, NEW YORK, NY	10.2400
2039282	17:06:35	20947	NYC DOS	AU7803	NY	603830	NULL	10	MN02, NEW YORK, NY	5.8700
2039283	17:13:33	20947	NYC DOS	AZ9638	NY	605729	NULL	10	MN03, NEW YORK, NY	13.7100
2039284	17:14:32	20947	NYC DOS	BB5420	NY	20947	NULL	10	MN10, NEW YORK, NY	10.7300

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13

FACILITY NAME: COVANTA ESSEX

DATE: 15-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)			Tons
2039285	17:15:49	20947	NYC DOS	AZ5551	NY	604056	NULL	10	MN03, NEW YORK, NY			3 6500
2039286	17:18:11	20947	NYC DOS	AU8217	NY	604893	NULL	10	MN07, NEW YORK, NY			12.7400
2039287	17:24:11	20947	NYC DOS	AD5624	NY	604205	NULL	10	MN10, NEW YORK, NY			12 1300
2039288	17:25:48	20947	NYC DOS	AU7869	NY	603758	NULL	10	MN04, NEW YORK, NY			6 5600
2039289	17:26:49	20947	NYC DOS	AZ4103	NY	605469	NULL	10	MN12, NEW YORK, NY			13 4900
2039290	17:27:57	20947	NYC DOS	AU7840	NY	603627	NULL	10	MN03, NEW YORK, NY			12 9700
2039291	17:29:25	20947	NYC DOS	AW4211	NY	604081	NULL	10	MN02, NEW YORK, NY			12 8400
2039292	17:35:21	20947	NYC DOS	AU7935	NY	20947	NULL	10	MN12, NEW YORK, NY			8 7000
2039293	17:39:51	17273	WASTE MANAGEMENT OF NJ	AN283H	NJ	9746	246352	27	International - 9900, NEW YORK, NY			2 8700
2039294	17:44:58	17273	WASTE MANAGEMENT OF NJ	AS394P	NJ	9739	246426	27	International - 9900, NEW YORK, NY			4 7300
2039295	17:45:45	20947	NYC DOS	AZ3426	NY	20947	NULL	10	MN03, NEW YORK, NY			13 6700
2039296	17:46:53	20947	NYC DOS	AW6145	NY	604307	NULL	10	MN07, NEW YORK, NY			10 4600
2039297	17:53:26	20947	NYC DOS	AW9222	NY	605905	NULL	10	MN10, NEW YORK, NY			12 4700
2039298	17:59:17	20947	NYC DOS	AZ4137	NY	608524	NULL	10	MN12, NEW YORK, NY			9 6000
2039299	18:03:20	20947	NYC DOS	AU7857	NY	604244	NULL	10	MN07, NEW YORK, NY			6 0700
2039300	18:36:26	20947	NYC DOS	AD5250	NY	8632	NULL	10	MN11, NEW YORK, NY			5 5700
2039301	18:49:03	20947	NYC DOS	BA1534	NY	605734	NULL	10	MN07, NEW YORK, NY			10 5000
2039302	18:50:25	20947	NYC DOS	AX2805	NY	603894	NULL	10	MN01, NEW YORK, NY			12 7400
2039303	18:51:23	20947	NYC DOS	AD5826	NY	604270	NULL	10	MN02, NEW YORK, NY			12 3900
2039304	18:53:00	20947	NYC DOS	AD5537	NY	604170	NULL	10	MN12, NEW YORK, NY			8 6200
2039305	18:54:00	20947	NYC DOS	AW4960	NY	604075	NULL	10	MN02, NEW YORK, NY			10 8300
2039306	18:57:52	20947	NYC DOS	AD5469	NY	9071	NULL	10	MN10, NEW YORK, NY			8 3500
2039307	19:06:28	20947	NYC DOS	AU7805	NY	603762	NULL	10	MN02, NEW YORK, NY			2 5000
2039308	19:18:10	20947	NYC DOS	BB4767	NY	606187	NULL	10	MN10, NEW YORK, NY			9 1900
2039309	19:20:17	20947	NYC DOS	AZ4035	NY	605397	NULL	10	MN12, NEW YORK, NY			12 0600
2039310	19:25:06	20947	NYC DOS	AU7861	NY	604211	NULL	10	MN04, NEW YORK, NY			7 4900
2039311	19:26:11	17273	WASTE MANAGEMENT OF NJ	AN283H	NJ	9746	246355	27	Bayonne City - 0901, HUDSON, NJ			9 1400
2039312	19:26:38	20947	NYC DOS	BB2675	NY	606269	NULL	10	MN10, NEW YORK, NY			9 5600
2039313	19:34:06	20947	NYC DOS	AU7828	NY	603761	NULL	10	MN03, NEW YORK, NY			6 2400
2039314	19:36:11	20947	NYC DOS	AZ6612	NY	605601	NULL	10	MN01, NEW YORK, NY			12 4500
2039315	19:37:52	20947	NYC DOS	AU8264	NY	20947	NULL	10	MN03, NEW YORK, NY			10 0700
2039316	19:41:14	20947	NYC DOS	AZ4036	NY	605446	NULL	10	MN12, NEW YORK, NY			8 4700
2039317	19:49:23	20947	NYC DOS	AU8094	NY	603768	NULL	10	MN12, NEW YORK, NY			9 0700
2039318	20:36:23	20947	NYC DOS	AU7810	NY	603664	NULL	10	MN02, NEW YORK, NY			11 3400
2039319	20:41:14	20947	NYC DOS	AZ1849	NY	603443	NULL	10	MN07, NEW YORK, NY			12 5200
2039320	20:53:03	20947	NYC DOS	AZ8761	NY	605747	NULL	10	MN12, NEW YORK, NY			14 9800
2039321	20:54:27	4152	NEWARK SANITATION	MG64614	NJ	1743	NULL	10	Newark City - 0714, ESSEX, NJ			0 2500
2039322	20:56:17	20947	NYC DOS	AZ24136	NY	605522	NULL	10	MN12, NEW YORK, NY			14 3100
2039323	21:00:40	17273	WASTE MANAGEMENT OF NJ	AN283H	NJ	9746	246357	27	Bayonne City - 0901, HUDSON, NJ			7 6900
2039324	21:04:50	20947	NYC DOS	AU7807	NY	603727	NULL	10	MN12, NEW YORK, NY			8 5400
2039325	21:16:49	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714, ESSEX, NJ			0 5900
Total Tons Received											2,231.8100	

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 17-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039326	00:11:32	20947	NYC DOS	BA1486	NY	605751	703084	10	MN03, NEW YORK, NY	10.0300
2039327	00:13:11	20947	NYC DOS	AW5636	NY	604053	703067	10	MN10, NEW YORK, NY	6.9800
2039328	00:14:29	2931	T. FARESE & SONS INC	XBPZ59	NJ	10296	241117	10	LODI - 0231, BERGEN, NJ	2.0500
2039329	00:15:25	20947	NYC DOS	AZ9289	NY	605754	704669	10	MN10, NEW YORK, NY	10.7800
2039330	00:17:57	20947	NYC DOS	AU8739	NY	604191	704670	10	MN10, NEW YORK, NY	5.8700
2039331	00:21:08	20947	NYC DOS	AZ9294	NY	20947	703233	10	MN03, NEW YORK, NY	10.9700
2039332	00:23:03	20947	NYC DOS	AW5077	NY	604050	703154	10	MN10, NEW YORK, NY	10.8500
2039334	00:27:08	20947	NYC DOS	AW4983	NY	604055	704665	10	MN03, NEW YORK, NY	8.0200
2039335	00:27:48	1154	M&M SANITATION	AS506A	NJ	1130	NULL	10	New York - 3000, NEW YORK, NY	11.5100
2039336	00:30:04	20947	NYC DOS	AU7958	NY	603789	NULL	10	MN07, NEW YORK, NY	11.2200
2039337	00:32:09	20947	NYC DOS	AZ1577	NY	20947	NULL	10	MN07, NEW YORK, NY	14.0500
2039338	00:34:59	20947	NYC DOS	AU9738	NY	604160	703218	10	MN03, NEW YORK, NY	4.6600
2039339	00:35:33	20947	NYC DOS	AU7963	NY	603752	NULL	10	MN07, NEW YORK, NY	13.8400
2039340	00:42:46	20947	NYC DOS	AD5502	NY	604193	703214	10	MN03, NEW YORK, NY	10.3400
2039341	00:45:13	17273	WASTE MANAGEMENT	AU222K	NJ	9925	246481	27	International - 9900, NEW YORK, NY	10.5500
2039342	00:46:22	20947	NYC DOS	BA1131	NY	605735	NULL	10	MN07, NEW YORK, NY	9.9200
2039343	00:51:21	20947	NYC DOS	AU7833	NY	603724	703097	10	MN03, NEW YORK, NY	4.6700
2039344	01:07:48	20947	NYC DOS	AU7794	NY	8449	NULL	10	MN01, NEW YORK, NY	12.2900
2039345	01:08:50	20947	NYC DOS	AW5279	NY	604052	NULL	10	MN02, NEW YORK, NY	6.7700
2039346	01:24:53	20947	NYC DOS	AZ8766	NY	605744	NULL	10	MN03, NEW YORK, NY	12.2700
2039347	01:29:47	20947	NYC DOS	AU7786	NY	603811	NULL	10	MN01, NEW YORK, NY	10.4100
2039348	01:30:57	20947	NYC DOS	AD5704	NY	604252	NULL	10	MN07, NEW YORK, NY	10.0700
2039349	01:33:07	20947	NYC DOS	AZ8667	NY	605738	NULL	10	MN07, NEW YORK, NY	9.5900
2039350	01:34:11	20947	NYC DOS	AU8506	NY	605903	NULL	10	MN12, NEW YORK, NY	10.9800
2039351	01:34:59	20947	NYC DOS	AU7904	NY	603743	NULL	10	MN07, NEW YORK, NY	11.0000
2039352	01:37:42	20947	NYC DOS	AU8458	NY	605459	NULL	10	MN03, NEW YORK, NY	9.4400
2039353	01:43:36	20947	NYC DOS	AW5636	NY	604053	703127	10	MN10, NEW YORK, NY	8.6400
2039354	01:44:24	2931	T. FARESE & SONS INC	XV877Z	NJ	10301	NULL	10	Newark City - 0714, ESSEX, NJ	12.7100
2039355	01:48:51	2931	T. FARESE & SONS INC	XBPZ59	NJ	10296	240944	10	Fort Lee Borough - 0219, BERGEN, NJ	5.3900
2039356	01:49:51	20947	NYC DOS	AW4262	NY	604079	NULL	10	MN03, NEW YORK, NY	13.1700
2039357	01:51:26	7847	GIORDANO COMPANY	XCLH69	NJ	3175	NULL	10	Newark City - 0714, ESSEX, NJ	2.3500
2039358	01:52:31	30413	FLASH RECYCLING CORP	49076PC	NY	1203	NULL	10	New York - 3000, NEW YORK, NY	13.5500
2039359	01:53:16	20947	NYC DOS	AZ9294	NY	20947	703234	10	MN03, NEW YORK, NY	7.6700
2039360	01:56:29	30413	FLASH RECYCLING CORP	27367PC	NY	1202	NULL	10	New York - 3000, NEW YORK, NY	12.0500
2039361	02:03:27	20947	NYC DOS	AU7831	NY	603745	NULL	10	MN03, NEW YORK, NY	9.8100
2039362	02:04:28	20947	NYC DOS	BB5420	NY	20947	NULL	10	MN10, NEW YORK, NY	8.6300
2039363	02:05:58	20947	NYC DOS	AU7808	NY	603684	NULL	10	MN07, NEW YORK, NY	11.6100
2039364	02:06:35	20947	NYC DOS	AZ9289	NY	605754	703208	10	MN10, NEW YORK, NY	8.6400
2039365	02:08:26	20947	NYC DOS	AU8739	NY	604191	703163	10	MN10, NEW YORK, NY	2.2900
2039366	02:14:44	20947	NYC DOS	AD5502	NY	604193	703220	10	MN03, NEW YORK, NY	7.6300
2039367	02:15:21	20947	NYC DOS	AZ6611	NY	605600	NULL	10	MN01, NEW YORK, NY	12.9400
2039368	02:17:35	20947	NYC DOS	AW4983	NY	604055	703254	10	MN03, NEW YORK, NY	7.7400
2039369	02:18:07	20947	NYC DOS	AW5077	NY	604050	703158	10	MN10, NEW YORK, NY	6.4200
2039370	02:29:36	20947	NYC DOS	AZ5181	NY	20947	NULL	10	MN07, NEW YORK, NY	10.7700
2039371	02:31:38	20947	NYC DOS	AU7951	NY	604097	NULL	10	MN07, NEW YORK, NY	11.6700
2039372	02:34:58	20947	NYC DOS	AU7806	NY	603757	NULL	10	MN02, NEW YORK, NY	6.3000
2039373	02:39:41	20947	NYC DOS	AU7342	NY	603639	NULL	10	MN07, NEW YORK, NY	8.3200
2039374	02:41:48	20947	NYC DOS	AU7867	NY	603800	NULL	10	MN04, NEW YORK, NY	12.5800

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7.26-2.13

FACILITY NAME: COVANTA ESSEX

DATE: 17-Jun-2019

FACILITY NUMBER:

133546

Ticket No	Time	NJDEP Reg No.	Hauler	License Plate No	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039375	02:56:12	20947	NYC DOS	AU9738	NY	604160	704634	10	MN03, NEW YORK, NY	7.4800
2039376	02:58:46	20947	NYC DOS	AZ9554	NY	605742	NULL	10	MN10, NEW YORK, NY	11.1500
2039377	02:59:44	20947	NYC DOS	AU7020	NY	605296	NULL	10	MN04, NEW YORK, NY	8.4600
2039378	03:04:27	17273	WASTE MANAGEMENT	AS393P	NJ	9740	245502	27	International - 9900, NEW YORK, NY	6.3700
2039379	03:05:06	17273	WASTE MANAGEMENT	AU224K	NJ	9927	246426	27	International - 9900, NEW YORK, NY	7.7200
2039380	03:07:46	20947	NYC DOS	BA1438	NY	20947	NULL	10	MN04, NEW YORK, NY	10.5400
2039381	03:10:48	2931	T. FARESE & SONS INC	XBP259	NJ	10296	241501	10	Hackensack City - 0223, BERGEN, NJ	4.1800
2039382	03:11:31	20947	NYC DOS	AU8467	NY	605897	NULL	10	MN10, NEW YORK, NY	3.7400
2039383	03:12:23	20947	NYC DOS	AW9222	NY	605905	NULL	10	MN10, NEW YORK, NY	3.5700
2039384	03:19:13	18571	INTERSTATE WASTE SERVICES	AS976G	NY	489	NULL	10	Orange, City Of - 0717, ESSEX, NJ	13.2700
2039385	03:19:39	20947	NYC DOS	AZ4023	NY	605379	NULL	10	MN07, NEW YORK, NY	13.8400
2039386	03:25:50	20947	NYC DOS	AU8435	NY	605451	NULL	10	MN12, NEW YORK, NY	10.5400
2039387	03:27:32	20947	NYC DOS	AU7872	NY	603672	NULL	10	MN04, NEW YORK, NY	10.7400
2039388	03:32:17	8262	F. BASSO JR. RUBBISH REMOVAL	XGJS14	NJ	6085	NULL	10	Cedar Grove - 0704, ESSEX, NJ	12.9500
2039389	03:40:37	20947	NYC DOS	AW5077	NY	604050	703159	10	MN10, NEW YORK, NY	7.1100
2039390	03:42:54	20947	NYC DOS	AZ9289	NY	605754	703209	10	MN10, NEW YORK, NY	3.7500
2039391	03:43:34	20947	NYC DOS	AW5636	NY	604053	703125	10	MN10, NEW YORK, NY	6.9600
2039392	03:48:59	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	12.4200
2039393	03:49:29	20947	NYC DOS	AU8739	NY	604101	703181	10	MN10, NEW YORK, NY	4.9600
2039394	03:50:29	20947	NYC DOS	AU80333	NY	603669	NULL	10	MN10, NEW YORK, NY	5.5400
2039395	03:51:32	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	241008	10	Clifton City - 1602, PASSAIC, NJ	1.4000
2039396	03:52:08	20947	NYC DOS	AZ9294	NY	20947	704655	10	MN03, NEW YORK, NY	10.2100
2039397	03:58:09	20947	NYC DOS	AZ4137	NY	605467	NULL	10	MN03, NEW YORK, NY	12.6500
2039398	04:00:48	2884	LOUIS T. ROSELLE, INC -	XHGN95	NJ	26698	204692	10	Cedar Grove - 0704, ESSEX, NJ	5.6200
2039399	04:01:25	20947	NYC DOS	AW4195	NY	604085	NULL	10	MN01, NEW YORK, NY	12.6700
2039400	04:05:26	20947	NYC DOS	AW4983	NY	604055	703283	10	MN03, NEW YORK, NY	8.9400
2039401	04:08:00	20947	NYC DOS	R27914	NY	7937	NULL	10	MN03, NEW YORK, NY	3.6500
2039402	04:08:55	20947	NYC DOS	R38097	NY	8583	NULL	10	MN03, NEW YORK, NY	3.2000
2039403	04:12:01	2931	T. FARESE & SONS INC	XBP259	NJ	10296	241107	10	Rutherford Borough - 0256, BERGEN, NJ	3.6200
2039404	04:13:23	20947	NYC DOS	AU8458	NY	605459	NULL	10	MN03, NEW YORK, NY	10.6000
2039405	04:14:08	18571	INTERSTATE WASTE SERVICES	AS279J	NY	26249	NULL	10	Caldwell Borough - 0703, ESSEX, NJ	8.7300
2039406	04:15:57	20947	NYC DOS	AU9738	NY	604160	703289	10	MN03, NEW YORK, NY	9.0000
2039407	04:18:47	20947	NYC DOS	AU7833	NY	603724	703122	10	MN10, NEW YORK, NY	5.8000
2039409	04:32:25	17273	WASTE MANAGEMENT	AS393P	NJ	9740	245501	27	International - 9900, NEW YORK, NY	5.8000
2039410	04:32:56	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	11.3900
2039411	04:36:14	2931	T. FARESE & SONS INC	XFNG30	NJ	18482	267388	10	Rutherford Borough - 0256, BERGEN, NJ	5.6600
2039412	04:40:03	2884	LOUIS T. ROSELLE, INC -	XHGN95	NJ	26698	258083	10	Newark City - 0714, ESSEX, NJ	2.5200
2039413	04:49:53	2884	LOUIS T. ROSELLE, INC -	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	14.0600
2039414	05:05:41	2931	T. FARESE & SONS INC	XFAD18	NJ	10240	241429	10	Newark City - 0714, ESSEX, NJ	1.0400
2039415	05:10:34	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	240984	10	Clifton City - 1602, PASSAIC, NJ	1.4200
2039416	05:13:19	6759	SUBURBAN DISPOSAL CORP	AN824C	NJ	851	NULL	10	Oakland Boro - 0242, BERGEN, NJ	7.0000
2039417	05:22:31	2931	T. FARESE & SONS INC	XV877Z	NJ	10301	NULL	10	Passaic City - 1607, PASSAIC, NJ	11.3000
2039418	05:22:48	2931	T. FARESE & SONS INC	XBP259	NJ	10296	266155	10	Carlstadt Borough - 0205, BERGEN, NJ	1.1500
2039419	05:27:43	7847	GIORDANO COMPANY	XL944V	NJ	3088	210690	10	Newark City - 0714, ESSEX, NJ	2.8700
2039420	05:31:45	6759	SUBURBAN DISPOSAL CORP	XCVR32	NJ	818	NULL	10	Irvington Township - 0709, ESSEX, NJ	7.3700
2039421	05:37:58	3660	GAETA RECYCLING	XCJL84	NJ	10394	256672	27	International - 9900, NEW YORK, NY	0.1700
2039422	05:39:48	2931	T. FARESE & SONS INC	XATB21	NJ	10256	241062	10	Clifton City - 1602, PASSAIC, NJ	12.6100
2039423	05:40:31	7847	GIORDANO COMPANY	XFAJ29	NJ	3074	210682	10	East Orange City - 0705, ESSEX, NJ	2.4100

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 17-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039424	05:42:23	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	6.9800
2039426	05:45:31	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	857	NULL	10	West Orange Township - 0722, ESSEX, NJ	9.8400
2039427	05:46:52	3660	GAETA RECYCLING	XY459Y	NJ	10440	NULL	10	Wyckoff Twp - 0270, BERGEN, NJ	12.5200
2039428	05:48:18	6759	SUBURBAN DISPOSAL CORP	XDNU26	NJ	874	NULL	10	Glen Ridge - 0708, ESSEX, NJ	14.0500
2039429	05:50:38	4500	JOSEPH SMENTKOWSKI	XEJH35	NJ	14770	NULL	10	Orange, City Of - 0717, ESSEX, NJ	22.6400
2039430	05:55:11	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	NULL	10	Livingston Township - 0710, ESSEX, NJ	10.3700
2039433	06:02:05	32797	INTER-REGIONAL DISPOSAL	AU637X	NJ	10964	NULL	10	New York - 3000, NEW YORK, NY	21.8000
2039435	06:04:25	2931	T. FARESE & SONS INC	XFAD18	NJ	10240	241225	10	Passaic City - 1607, PASSAIC, NJ	3.2100
2039436	06:05:00	18571	INTERSTATE WASTE SERVICES	AU174F	NY	23586	NULL	10	East Orange City - 0705, ESSEX, NJ	12.2100
2039437	06:09:30	17273	WASTE MGT OF NEW JERSEY	AT1785	NJ	3426	212361	10	West Caldwell Borough - 0721, ESSEX, NJ	5.1600
2039439	06:18:30	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	240977	10	Clifton City - 1602, PASSAIC, NJ	2.3800
2039440	06:19:47	2884	LOUIS T. ROSELLE, INC. -	XX659X	NJ	870	204715	10	Newark City - 0714, ESSEX, NJ	9.0600
2039442	06:25:52	1154	M&M SANITATION	AP705K	NJ	1124	NULL	10	New York - 3000, NEW YORK, NY	12.4600
2039443	06:30:20	3660	GAETA RECYCLING	XR342N	NJ	10426	NULL	10	Wyckoff Twp - 0270, BERGEN, NJ	4.7400
2039445	06:36:22	2931	T. FARESE & SONS INC	XBP259	NJ	10296	258885	10	Newark City - 0714, ESSEX, NJ	4.5900
2039447	06:38:03	3660	GAETA RECYCLING	XZ531F	NJ	10448	NULL	10	Wyckoff Twp - 0270, BERGEN, NJ	11.5700
2039448	06:39:42	1154	M&M SANITATION	AP437X	NJ	101	NULL	10	New York - 3000, NEW YORK, NY	9.9600
2039451	06:47:04	3660	GAETA RECYCLING	XCJL84	NJ	10394	242097	27	International - 9900, NEW YORK, NY	0.1100
2039452	06:47:14	2931	T. FARESE & SONS INC	XHES31	NJ	26555	NULL	10	Clifton City - 1602, PASSAIC, NJ	10.8800
2039454	06:55:04	18571	INTERSTATE WASTE	AUG21J	NJ	24348	217026	27	International - 9900, NEW YORK, NY	13.3900
2039455	06:57:33	20947	NYC DOS	AU9738	NY	604160	703237	10	MN03, NEW YORK, NY	7.7500
2039457	07:04:49	17273	WASTE MANAGEMENT	AU224K	NJ	9927	245505	27	International - 9900, NEW YORK, NY	6.0000
2039458	07:06:53	1154	M&M SANITATION	AR602G	NJ	1129	NULL	10	New York - 3000, NEW YORK, NY	6.2600
2039459	07:08:14	1154	M&M SANITATION	AU947T	NJ	108	NULL	10	New York - 3000, NEW YORK, NY	12.3300
2039461	07:11:28	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218441	10	Newark City - 0714, ESSEX, NJ	6.3200
2039463	07:14:42	2884	LOUIS T. ROSELLE, INC. -	AN826C	NJ	766	258081	10	Short Hills, ESSEX, NJ	3.7800
2039464	07:17:32	3660	GAETA RECYCLING	XY831U	NJ	10445	NULL	10	Wyckoff Twp - 0270, BERGEN, NJ	4.6800
2039466	07:35:31	2931	T. FARESE & SONS INC	XBP259	NJ	10296	258886	10	Newark City - 0714, ESSEX, NJ	3.6200
2039467	07:36:52	20947	NYC DOS	AZ9294	NY	20947	703274	10	MN03, NEW YORK, NY	11.9100
2039469	07:39:47	20947	NYC DOS	AU9919	NY	604159	704594	10	MN10, NEW YORK, NY	6.7300
2039470	07:40:12	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	258852	10	Newark City - 0714, ESSEX, NJ	5.6300
2039472	07:48:38	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	241002	10	Newark City - 0714, ESSEX, NJ	0.0800
2039474	07:49:56	20947	NYC DOS	BA1486	NY	605751	704600	10	MN03, NEW YORK, NY	11.5000
2039475	07:51:07	17273	WASTE MGT OF NEW JERSEY	AS728Y	NJ	9764	NULL	10	Newark City - 0714, ESSEX, NJ	20.2000
2039476	07:51:42	18571	INTERSTATE WASTE SERVICES	AP327U	NY	4337	218776	10	Newark City - 0714, ESSEX, NJ	6.9100
2039477	07:56:14	6759	SUBURBAN DISPOSAL CORP	XCVR46	NJ	825	NULL	10	East Orange City - 0705, ESSEX, NJ	17.3000
2039479	08:00:37	18571	INTERSTATE WASTE SERVICES	AT140H	NY	512	218272	10	Fairfield Borough - 0707, ESSEX, NJ	2.9400
2039481	08:08:00	2931	T. FARESE & SONS INC	XGGX23	NJ	24874	NULL	10	Newark City - 0714, ESSEX, NJ	2.2300
2039482	08:10:10	32797	INTER-REGIONAL DISPOSAL	AU636X	NJ	10963	NULL	10	New York - 3000, NEW YORK, NY	16.3500
2039484	08:14:26	20947	NYC DOS	AZ8018	NY	605655	NULL	10	MN09, NEW YORK, NY	9.4000
2039485	08:17:18	20947	NYC DOS	BA1797	NY	605830	NULL	10	MN03, NEW YORK, NY	11.3000
2039486	08:18:03	20947	NYC DOS	AZ4316	NY	605466	NULL	10	MN02, NEW YORK, NY	6.9300
2039487	08:20:29	20947	NYC DOS	BA1129	NY	605753	704642	10	MN10, NEW YORK, NY	11.5600
2039488	08:24:18	20947	NYC DOS	AU8011	NY	8404	NULL	10	MN09, NEW YORK, NY	8.4400
2039490	08:30:24	20947	NYC DOS	AD5528	NY	604171	NULL	10	MN09, NEW YORK, NY	9.4600
2039491	08:31:08	20947	NYC DOS	AU8010	NY	7775	NULL	10	MN09, NEW YORK, NY	8.9200
2039492	08:32:21	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218428	10	Belleville Township - 0701, ESSEX, NJ	7.1500
2039493	08:33:23	20947	NYC DOS	AU8008	NY	603801	NULL	10	MN09, NEW YORK, NY	9.1700

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7.26-2.13

FACILITY NAME: COVANTA ESSEX

DATE: 17-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039494	08:34:16	20947	NYC DOS	AZ9519	NY	606074	NULL	10	MN09, NEW YORK, NY	8.4900
2039495	08:44:26	18571	INTERSTATE WASTE SERVICES	AT890W	NY	17007	NULL	10	Newark City - 0714, ESSEX, NJ	13.3200
2039497	08:45:48	20947	NYC DOS	AZ5179	NY	605520	NULL	10	MN09, NEW YORK, NY	6.3200
2039496	08:45:04	20947	NYC DOS	AU8511	NY	20947	NULL	10	MN09, NEW YORK, NY	8.3000
2039498	08:48:44	32797	INTER-REGIONAL DISPOSAL	AT4449	NJ	10944	NULL	10	New York - 3000, NEW YORK, NY	13.4200
2039499	08:50:01	2884	LOUIS T. ROSELLE, INC -	XCXB78	NJ	760	NULL	10	West Orange Township - 0722, ESSEX, NJ	16.7100
2039500	08:52:13	2931	T. FARESE & SONS INC	XV877Z	NJ	10301	NULL	10	Passaic City - 1607, PASSAIC, NJ	11.1000
2039501	08:54:21	20947	NYC DOS	AZ3600	NY	605528	NULL	10	MN08, NEW YORK, NY	7.5600
2039502	08:59:21	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	15.4600
2039503	09:01:25	20947	NYC DOS	AU8013	NY	8512	NULL	10	MN09, NEW YORK, NY	9.1400
2039504	09:03:32	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	NULL	10	East Orange City - 0705, ESSEX, NJ	18.0900
2039506	09:04:51	20947	NYC DOS	AU8009	NY	7662	NULL	10	MN09, NEW YORK, NY	6.0000
2039507	09:07:46	20947	NYC DOS	BA2300	NY	605833	NULL	10	MN04, NEW YORK, NY	12.2200
2039508	09:10:27	20947	NYC DOS	AZ8019	NY	605654	NULL	10	MN09, NEW YORK, NY	8.7400
2039510	09:15:32	6759	SUBURBAN DISPOSAL CORP	X3E488V	NJ	783	NULL	10	Irvington Township - 0709, ESSEX, NJ	16.5500
2039511	09:18:30	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	11.8300
2039512	09:18:37	9330	CAL CARTING	XDCX97	NJ	6285	NULL	10	Newark City - 0714, ESSEX, NJ	16.8700
2039513	09:22:05	20947	NYC DOS	AZ1804	NY	605444	NULL	10	MN04, NEW YORK, NY	8.3700
2039514	09:22:23	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	240980	10	Clifton City - 1602, PASSAIC, NJ	3.5700
2039515	09:23:36	18571	INTERSTATE WASTE SERVICES	AU906V	NY	26676	201995	10	West Caldwell Borough - 0721, ESSEX, NJ	6.8900
2039516	09:27:21	20947	NYC DOS	AU7789	NY	7674	NULL	10	MN02, NEW YORK, NY	9.6400
2039517	09:27:53	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714, ESSEX, NJ	9.0700
2039518	09:34:02	36344	COMMERCIAL DISTRICT SERVICES LLC	X2125U	NJ	8481	8481	10	Newark City - 0714, ESSEX, NJ	0.5200
2039519	09:34:40	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256539	27	International - 9900, NEW YORK, NY	2.7500
2039520	09:37:03	20947	NYC DOS	AE1695	NY	604340	NULL	10	MN04, NEW YORK, NY	10.9000
2039521	09:37:52	18571	INTERSTATE WASTE SERVICES	AS166B	NY	476	218169	10	Bloomfield Township - 0702, ESSEX, NJ	11.0300
2039522	09:39:50	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	273495	27	International - 9900, NEW YORK, NY	0.0000
2039523	09:40:41	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.3000
2039524	09:41:26	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	801	NULL	10	Belleville Township - 0701, ESSEX, NJ	16.4200
2039525	09:43:02	20947	NYC DOS	AW5279	NY	604052	NULL	10	MN02, NEW YORK, NY	8.7700
2039526	09:43:41	20947	NYC DOS	BB5160	NY	606178	NULL	10	MN02, NEW YORK, NY	7.4900
2039527	09:47:52	20947	NYC DOS	AU9738	NY	604160	704638	10	MN03, NEW YORK, NY	8.6200
2039529	09:54:53	20947	NYC DOS	BA2246	NY	605835	NULL	10	MN08, NEW YORK, NY	11.6900
2039530	09:55:29	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	NULL	10	Belleville Township - 0701, ESSEX, NJ	15.6400
2039531	09:57:34	20947	NYC DOS	BA1131	NY	605735	NULL	10	MN07, NEW YORK, NY	10.0000
2039532	09:58:32	20947	NYC DOS	AU7867	NY	603800	NULL	10	MN04, NEW YORK, NY	11.4900
2039533	10:01:24	20947	NYC DOS	BA1977	NY	605908	NULL	10	MN04, NEW YORK, NY	8.5300
2039534	10:08:01	2884	LOUIS T. ROSELLE, INC -	AN826C	NJ	766	205009	10	Verona Borough - 0720, ESSEX, NJ	1.4300
2039535	10:08:08	2884	LOUIS T. ROSELLE, INC -	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	9.8600
2039536	10:11:05	2931	T. FARESE & SONS INC	XW720L	NJ	10277	NULL	10	Clifton City - 1602, PASSAIC, NJ	13.7100
2039537	10:18:15	20947	NYC DOS	AZ9294	NY	20947	703275	10	MN03, NEW YORK, NY	6.4600
2039538	10:18:46	2884	LOUIS T. ROSELLE, INC -	XX659X	NJ	870	205057	10	East Orange City - 0705, ESSEX, NJ	11.4400
2039539	10:20:23	8262	F. BASSO JR. RUBBISH REMOVAL	XFNW31	NJ	6775	NULL	10	Nutley Township - 0716, ESSEX, NJ	15.1200
2039540	10:21:43	4152	NEWARK SANITATION	MG13641	NJ	603027	NULL	10	Newark City - 0714, ESSEX, NJ	17.0300
2039541	10:22:15	9330	CAL CARTING	XW449Z	NJ	6264	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	15.3900
2039542	10:22:55	18571	INTERSTATE WASTE SERVICES	AU174F	NY	23586	NULL	10	Montclair Township - 0713, ESSEX, NJ	12.8700
2039543	10:23:09	5778	MONTCLAIR DEPT OF PUBLIC WORKS	MG71948	NJ	601612	NULL	10	Montclair Township - 0713, ESSEX, NJ	14.6000
2039544	10:24:05	20947	NYC DOS	AU8007	NY	7363	NULL	10	MN04, NEW YORK, NY	10.3500

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Division of Solid and Hazardous Waste
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FACILITY NAME: COVANTA ESSEX

DATE: 17-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039545	10:25:30	20947	NYC DOS	AX3773	NY	10002	NULL	10	MN04, NEW YORK, NY	8.9800
2039547	10:27:29	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	9.8700
2039548	10:30:48	2931	T. FARESE & SONS INC	XFTK93	NJ	23462	258799	10	Rutherford Borough - 0256, BERGEN, NJ	3.0100
2039549	10:31:45	18571	INTERSTATE WASTE	AU257P	NJ	25413	NULL	10	Passaic City - 1607, PASSAIC, NJ	12.9200
2039550	10:34:03	8262	F. BASSO JR. RUBBISH REMOVAL	XGZA48	NJ	6806	NULL	10	Nutley Township - 0716, ESSEX, NJ	18.7800
2039551	10:36:59	4152	NEWARK SANITATION	MG64605	NJ	1735	NULL	10	Newark City - 0714, ESSEX, NJ	11.3300
2039552	10:37:56	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	NULL	10	Irvington Township - 0709, ESSEX, NJ	19.5800
2039553	10:47:48	8262	F. BASSO JR. RUBBISH REMOVAL	X1208P	NJ	6780	NULL	10	Newark City - 0714, ESSEX, NJ	14.6600
2039554	10:47:56	17273	WASTE MANAGEMENT	AU224K	NJ	9927	246423	27	International - 9900, NEW YORK, NY	11.7300
2039555	10:50:49	20947	NYC DOS	AW4226	NY	604080	NULL	10	MN02, NEW YORK, NY	7.6600
2039556	10:55:00	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256704	27	International - 9900, NEW YORK, NY	5.0000
2039557	10:58:40	8262	F. BASSO JR. RUBBISH REMOVAL	XGV857	NJ	6814	NULL	10	Newark City - 0714, ESSEX, NJ	10.0100
2039558	10:59:40	20947	NYC DOS	AZ9638	NY	605729	NULL	10	MN04, NEW YORK, NY	10.4300
2039559	11:02:03	6759	SUBURBAN DISPOSAL CORP	XAAX62	NJ	781	NULL	10	Irvington Township - 0709, ESSEX, NJ	16.3600
2039560	11:03:31	8262	F. BASSO JR. RUBBISH REMOVAL	XBFN86	NJ	6792	NULL	10	Newark City - 0714, ESSEX, NJ	15.7500
2039561	11:04:33	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY51	NJ	6786	NULL	10	Nutley Township - 0716, ESSEX, NJ	17.3000
2039562	11:05:31	8262	BASSO/LITTLE FALLS	XEVJ26	NJ	6789	NULL	10	Little Falls - 1605, PASSAIC, NJ	14.0300
2039564	11:11:59	4152	NEWARK SANITATION	MG-38080	NJ	1715	NULL	10	Newark City - 0714, ESSEX, NJ	17.2400
2039565	11:15:26	20947	NYC DOS	BA1129	NY	605753	703187	10	MN10, NEW YORK, NY	6.9700
2039566	11:17:31	6759	SUBURBAN DISPOSAL CORP	XCVR36	NJ	822	NULL	10	Belleville Township - 0701, ESSEX, NJ	18.4000
2039567	11:18:23	18571	INTERSTATE WASTE	AU547P	NJ	25465	NULL	10	Passaic City - 1607, PASSAIC, NJ	17.8900
2039568	11:19:42	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	258853	10	Newark City - 0714, ESSEX, NJ	2.1400
2039569	11:23:23	8262	F. BASSO JR. RUBBISH REMOVAL	XHJD57	NJ	6815	NULL	10	Newark City - 0714, ESSEX, NJ	9.2200
2039571	11:25:11	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15374MG	NJ	601598MON	NULL	10	Montclair Township - 0713, ESSEX, NJ	7.9900
2039572	11:26:21	5778	MONTCLAIR DEPT OF PUBLIC WORKS	30068MG	NJ	606045	NULL	10	Montclair Township - 0713, ESSEX, NJ	14.3500
2039573	11:27:00	2986	ALLEGRO SANITATION	XFAU65	NJ	22117	NULL	10	Newark City - 0714, ESSEX, NJ	11.4000
2039574	11:28:55	6759	SUBURBAN DISPOSAL CORP	XS174K	NJ	894	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	16.5300
2039575	11:29:20	5778	MONTCLAIR DEPT OF PUBLIC WORKS	MG97672	NJ	601617	NULL	10	Montclair Township - 0713, ESSEX, NJ	14.0200
2039576	11:33:12	8262	BASSO/LITTLE FALLS	X81A17	NJ	6776	NULL	10	Little Falls - 1605, PASSAIC, NJ	11.7500
2039577	11:35:23	4500	JOSEPH SMENTKOWSKI	XEJM48	NJ	14793	NULL	10	Orange, City Of - 0717, ESSEX, NJ	12.0800
2039578	11:36:05	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.4100
2039579	11:37:58	4152	NEWARK SANITATION	MG31118	NJ	1714	NULL	10	Newark City - 0714, ESSEX, NJ	16.7900
2039580	11:43:27	8262	F. BASSO JR. RUBBISH REMOVAL	XELC12	NJ	6795	NULL	10	Newark City - 0714, ESSEX, NJ	14.6600
2039581	11:44:06	36344	COMMERCIAL DISTRICT SERVICES LLC	XU713U	NJ	8485	8485	10	Newark City - 0714, ESSEX, NJ	0.4000
2039582	11:44:37	6759	SUBURBAN DISPOSAL CORP	XE521J	NJ	702	NULL	10	Irvington Township - 0709, ESSEX, NJ	15.1500
2039584	11:46:52	4152	NEWARK SANITATION	13640MG	NJ	9291	NULL	10	Newark City - 0714, ESSEX, NJ	15.8400
2039585	11:48:02	6759	SUBURBAN DISPOSAL CORP	XCVR34	NJ	820	NULL	10	Irvington Township - 0709, ESSEX, NJ	15.9400
2039586	11:48:46	4152	NEWARK SANITATION	13639MG	NJ	4152	NULL	10	Newark City - 0714, ESSEX, NJ	15.7200
2039587	11:49:43	4500	JOSEPH SMENTKOWSKI	XEJN37	NJ	14794	NULL	10	Orange, City Of - 0717, ESSEX, NJ	12.2500
2039588	11:55:21	8262	F. BASSO JR. RUBBISH REMOVAL	XDCY13	NJ	6781	NULL	10	Newark City - 0714, ESSEX, NJ	16.4200
2039589	11:56:49	1154	M&M SANITATION	AS506A	NJ	1130	NULL	10	New York - 3000, NEW YORK, NY	5.1900
2039590	11:58:59	2931	T. FARESE & SONS INC	XHES31	NJ	26555	NULL	10	Clifton City - 1602, PASSAIC, NJ	9.4400
2039591	11:59:33	4152	NEWARK SANITATION	13638MG	NJ	9289	NULL	10	Newark City - 0714, ESSEX, NJ	15.8100
2039592	12:01:43	36344	COMMERCIAL DISTRICT SERVICES LLC	X2125U	NJ	8481	8481	10	Newark City - 0714, ESSEX, NJ	0.4500
2039593	12:02:18	4152	NEWARK SANITATION	34869MG	NJ	704274	NULL	10	Newark City - 0714, ESSEX, NJ	12.6100
2039594	12:03:40	2931	T. FARESE & SONS INC	XASY72	NJ	10292	NULL	10	Clifton City - 1602, PASSAIC, NJ	18.9600
2039596	12:04:40	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256673	27	International - 9900, NEW YORK, NY	0.4100
2039597	12:05:31	10734	SOUTH ORANGE DISPOSAL COMPANY	XHCU88	NJ	4603	NULL	10	South Orange Village - 0719, ESSEX, NJ	9.6300

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7.26-2.13

FACILITY NAME: COVANTA ESSEX

DATE: 17-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039598	12:06:29	4152	NEWARK SANITATION	34870MG	NJ	704274	NULL	10	Newark City - 0714, ESSEX, NJ	17.2900
2039599	12:07:36	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15359MG	NJ	601596MON	NULL	10	Montclair Township - 0713, ESSEX, NJ	11.6600
2039600	12:08:00	8262	F. BASSO JR. RUBBISH REMOVAL	XGJN36	NJ	6801	NULL	10	Cedar Grove - 0704, ESSEX, NJ	15.0000
2039601	12:10:10	4152	NEWARK SANITATION	24112MG	NJ	1737	NULL	10	Newark City - 0714, ESSEX, NJ	11.3700
2039602	12:10:51	4152	NEWARK SANITATION	MG14497	NJ	6604844	NULL	10	Newark City - 0714, ESSEX, NJ	15.8100
2039603	12:15:26	6759	SUBURBAN DISPOSAL CORP	XCKM66	NJ	806	NULL	10	West Orange Township - 0722, ESSEX, NJ	18.4700
2039604	12:17:49	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15373MG	NJ	601597	NULL	10	Montclair Township - 0713, ESSEX, NJ	11.4000
2039605	12:19:41	2931	T. FARESE & SONS INC	XGGV80	NJ	24320	NULL	10	Clifton City - 1602, PASSAIC, NJ	14.4200
2039606	12:27:03	7847	GIORDANO TRUCKING	XAWX27	NJ	3083	NULL	10	Millburn Township - 0712, ESSEX, NJ	16.3900
2039609	12:32:43	2884	LOU'S T. ROSELLE, INC. -	AN826C	NJ	766	268909	10	Bernardsville Boro - 1803, SOMERSET, NJ	2.0700
2039610	12:34:23	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.5100
2039611	12:36:06	8262	F. BASSO JR. RUBBISH REMOVAL	XT370N	NJ	6793	NULL	10	Newark City - 0714, ESSEX, NJ	11.4200
2039612	12:37:31	7847	GIORDANO TRUCKING	XBKA72	NJ	3082	NULL	10	Millburn Township - 0712, ESSEX, NJ	13.7400
2039613	12:38:41	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	240933	10	Newark City - 0714, ESSEX, NJ	1.3800
2039614	12:39:06	17273	WASTE MANAGEMENT	AU224K	NJ	9927	266059	27	International - 9900, NEW YORK, NY	14.1400
2039616	12:42:08	6759	SUBURBAN DISPOSAL CORP	XEMT59	NJ	888	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	17.9400
2039617	12:45:59	6759	SUBURBAN DISPOSAL CORP	XCW45	NJ	866	NULL	10	West Orange Township - 0722, ESSEX, NJ	18.2200
2039618	12:46:49	6759	SUBURBAN DISPOSAL CORP	AP175E	NJ	778	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	20.4400
2039619	12:53:09	8262	F. BASSO JR. RUBBISH REMOVAL	XCLC64	NJ	7734	NULL	10	Newark City - 0714, ESSEX, NJ	19.5100
2039620	12:53:24	18571	INTERSTATE WASTE	AT683M	NJ	350	NULL	10	Passaic City - 1607, PASSAIC, NJ	18.3500
2039621	12:58:08	4500	JOSEPH SMENTKOWSKI	XX622N	NJ	14766	NULL	10	Roseland Borough - 0718, ESSEX, NJ	13.3600
2039622	12:58:58	18571	INTERSTATE WASTE SERVICES	AU174F	NY	23586	NULL	10	Orange, City Of - 0718, ESSEX, NJ	10.4700
2039623	13:01:53	6759	SUBURBAN DISPOSAL CORP	XDBV13	NJ	878	NULL	10	West Orange Township - 0722, ESSEX, NJ	17.8200
2039624	13:03:56	4152	NEWARK SANITATION	13637MG	NJ	4152	NULL	10	Newark City - 0714, ESSEX, NJ	16.0500
2039625	13:11:11	8262	F. BASSO JR. RUBBISH REMOVAL	XELE17	NJ	6788	NULL	10	Newark City - 0714, ESSEX, NJ	14.6000
2039626	13:13:47	2931	T. FARESE & SONS INC	XGNK79	NJ	24872	NULL	10	Newark City - 0714, ESSEX, NJ	1.5600
2039627	13:22:19	8262	F. BASSO JR. RUBBISH REMOVAL	XDLV65	NJ	6787	NULL	10	Newark City - 0714, ESSEX, NJ	2.7900
2039628	13:22:39	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	17.5300
2039629	13:25:28	6759	SUBURBAN DISPOSAL CORP	XAAX62	NJ	781	NULL	10	Irvington Township - 0709, ESSEX, NJ	9.0700
2039630	13:27:55	32797	INTER-REGIONAL DISPOSAL	AU637X	NJ	10964	NULL	10	New York - 3000, NEW YORK, NY	2.7500
2039632	13:31:56	32797	INTER-REGIONAL DISPOSAL	AU600L	NJ	10966	NULL	10	New York - 3000, NEW YORK, NY	8.2200
2039633	13:35:10	9330	CALI CARTING	XDYL17	NJ	6271	NULL	10	Newark City - 0714, ESSEX, NJ	20.1100
2039634	13:37:27	8262	F. BASSO JR. RUBBISH REMOVAL	XFI425	NJ	6797	NULL	10	Newark City - 0714, ESSEX, NJ	14.3300
2039635	13:39:28	6759	SUBURBAN DISPOSAL CORP	AST700H	NJ	790	NULL	10	Irvington Township - 0709, ESSEX, NJ	8.0000
2039636	13:39:43	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	NULL	10	Fairfield Borough - 0707, ESSEX, NJ	5.7200
2039638	13:41:24	28907	WASTE INDUSTRIES	XD629R	NJ	12618	NULL	10	Livingston Township - 0710, ESSEX, NJ	13.8800
2039639	13:50:29	4500	JOSEPH SMENTKOWSKI	XEJH35	NJ	14770	NULL	10	Orange, City Of - 0717, ESSEX, NJ	6.5400
2039640	13:51:05	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY51	NJ	6786	NULL	10	Nutley Township - 0716, ESSEX, NJ	5.1200
2039641	13:52:47	2931	T. FARESE & SONS INC	XBEE35	NJ	10297	NULL	10	Clifton City - 1602, PASSAIC, NJ	19.7300
2039643	13:58:19	2931	T. FARESE & SONS INC	XGGX42	NJ	24870	258798	27	Elmwood Park - 0213, BERGEN, NJ	8.7200
2039644	13:59:48	36344	COMMERCIAL DISTRICT SERVICES LLC	X2125U	NJ	8481	8481	10	Newark City - 0714, ESSEX, NJ	0.3200
2039645	13:59:55	28907	WASTE INDUSTRIES	XR605W	NJ	12629	NULL	10	Livingston Township - 0710, ESSEX, NJ	17.1600
2039647	14:04:29	8262	F. BASSO JR. RUBBISH REMOVAL	XGVB57	NJ	6814	NULL	10	Newark City - 0714, ESSEX, NJ	5.9100
2039648	14:05:46	6759	SUBURBAN DISPOSAL CORP	XCJW47	NJ	797	NULL	10	West Orange Township - 0722, ESSEX, NJ	16.9600
2039649	14:11:00	9330	CALI CARTING	XDCX97	NJ	6285	NULL	10	Newark City - 0714, ESSEX, NJ	12.1300
2039651	14:14:05	28907	WASTE INDUSTRIES	XN735L	NJ	12625	NULL	10	Verona Borough - 0720, ESSEX, NJ	14.0300
2039652	14:15:50	9330	CALI CARTING	XW449Z	NJ	6264	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	7.4000
2039653	14:16:01	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.3200

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 17-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039654	14:17:26	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	NULL	10	Belleville Township - 0701, ESSEX, NJ	11.1900
2039656	14:24:13	8262	F. BASSO JR. RUBBISH REMOVAL	XGZA48	NJ	6806	NULL	10	Nutley Township - 0716, ESSEX, NJ	10.8000
2039657	14:24:35	8262	F. BASSO JR. RUBBISH REMOVAL	XFNW31	NJ	6775	NULL	10	Nutley Township - 0716, ESSEX, NJ	9.5600
2039658	14:25:52	18571	INTERSTATE WASTE	AU257P	NJ	25413	NULL	10	Passaic City - 1607, PASSAIC, NJ	9.4500
2039659	14:27:26	4152	NEWARK SANITATION	MG64612	NJ	1741	NULL	10	Newark City - 0714, ESSEX, NJ	16.0600
2039661	14:32:17	4152	NEWARK SANITATION	MG64613	NJ	1742	NULL	10	Newark City - 0714, ESSEX, NJ	14.6400
2039662	14:34:38	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	NULL	10	East Orange City - 0705, ESSEX, NJ	13.1800
2039663	14:36:33	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218430	10	Belleville Township - 0701, ESSEX, NJ	2.7200
2039664	14:37:02	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256546	27	International - 9900, NEW YORK, NY	0.1900
2039665	14:39:18	6759	SUBURBAN DISPOSAL CORP	XU447Z	NJ	838	NULL	10	East Orange City - 0705, ESSEX, NJ	10.6700
2039666	14:40:00	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	868	NULL	10	Oakland Boro - 0242, BERGEN, NJ	15.9600
2039667	14:41:08	4152	NEWARK SANITATION	34870MG	NJ	704274	NULL	10	Newark City - 0714, ESSEX, NJ	4.1000
2039668	14:50:24	17273	ACTION CARTING OF NJ	AU494V	NJ	26432	218866	27	East Rutherford Borough - 0211, BERGEN, NJ	10.0000
2039669	15:05:57	17273	WASTE MGT OF NEW JERSEY	AU497C	NJ	9452	246078	10	Newark City - 0714, ESSEX, NJ	0.8100
2039670	15:11:56	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218450	10	Newark City - 0714, ESSEX, NJ	2.5400
2039672	15:19:52	18571	INTERSTATE WASTE	AP319U	NJ	444	NULL	10	Passaic City - 1607, PASSAIC, NJ	18.7900
2039674	15:38:55	3660	GAETA RECYCLING	XFKN54	NJ	10416	NULL	10	Newark City - 0714, ESSEX, NJ	16.4300
2039675	15:40:17	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	801	NULL	10	Belleville Township - 0701, ESSEX, NJ	18.7400
2039678	15:43:11	36344	COMMERCIAL DISTRICT SERVICES LLC	XU713U	NJ	8485	8485	10	Newark City - 0714, ESSEX, NJ	0.3900
2039677	15:43:50	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714, ESSEX, NJ	11.7600
2039679	15:50:47	18571	INTERSTATE WASTE	AU547P	NJ	25465	NULL	10	Passaic City - 1607, PASSAIC, NJ	13.7800
2039680	15:53:20	2931	T. FARESE & SONS INC	XASX80	NJ	10288	NULL	10	Clifton City - 1602, PASSAIC, NJ	11.7400
2039681	16:09:08	3660	GAETA RECYCLING	XS228W	NJ	10428	NULL	10	Franklin Lakes - 0220, BERGEN, NJ	13.0500
2039683	16:14:14	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	4.8700
2039685	16:24:42	4152	NEWARK SANITATION	MG64614	NJ	1743	NULL	10	Newark City - 0714, ESSEX, NJ	17.3900
2039686	16:49:00	28907	WASTE INDUSTRIES	XE158E	NJ	12613	NULL	10	Livingston Township - 0710, ESSEX, NJ	16.3300
2039687	17:19:28	20947	NYC DOS	AU7840	NY	603627	NULL	10	MN03, NEW YORK, NY	12.0100
2039688	17:49:44	20947	NYC DOS	AU7839	NY	603629	NULL	10	MN03, NEW YORK, NY	11.8000
2039689	17:50:44	20947	NYC DOS	AX2805	NY	603894	NULL	10	MN01, NEW YORK, NY	10.8500
2039690	17:54:34	20947	NYC DOS	AZ4137	NY	608524	NULL	10	MN12, NEW YORK, NY	9.1200
2039691	18:04:17	20947	NYC DOS	AZ6611	NY	605600	NULL	10	MN01, NEW YORK, NY	12.0500
2039692	18:29:29	20947	NYC DOS	AU7928	NY	603778	NULL	10	MN10, NEW YORK, NY	11.6600
2039693	18:31:21	20947	NYC DOS	AD5277	NY	604269	NULL	10	MN10, NEW YORK, NY	10.4500
2039694	18:35:36	20947	NYC DOS	AD5624	NY	604205	NULL	10	MN10, NEW YORK, NY	8.8800
2039695	19:10:02	17273	WASTE MANAGEMENT	AU420B	NJ	9450	246481	27	International - 9900, NEW YORK, NY	11.6900
2039696	19:28:35	17273	WASTE MANAGEMENT	AN429J	NJ	9286	246352	27	International - 9900, NEW YORK, NY	4.3500
2039697	19:41:17	20947	NYC DOS	AZ6612	NY	605601	NULL	10	MN01, NEW YORK, NY	13.9400
2039698	19:42:07	20947	NYC DOS	AZ1846	NY	605441	NULL	10	MN07, NEW YORK, NY	10.8100
2039699	19:42:54	20947	NYC DOS	AU7861	NY	604211	NULL	10	MN04, NEW YORK, NY	15.3600
2039700	19:44:36	20947	NYC DOS	AZ1578	NY	605623	NULL	10	MN07, NEW YORK, NY	3.0600
2039701	19:45:34	20947	NYC DOS	AU7904	NY	603743	NULL	10	MN07, NEW YORK, NY	12.0400
2039702	19:54:03	20947	NYC DOS	AD5826	NY	604270	NULL	10	MN02, NEW YORK, NY	9.9600
2039703	19:55:08	20947	NYC DOS	AU7899	NY	7649	NULL	10	MN02, NEW YORK, NY	7.1200
2039704	19:57:30	20947	NYC DOS	AW4205	NY	604082	NULL	10	MN02, NEW YORK, NY	10.4200
2039705	20:01:59	20947	NYC DOS	AU7794	NY	8449	NULL	10	MN01, NEW YORK, NY	10.0900
2039706	20:09:51	20947	NYC DOS	AU7810	NY	603664	NULL	10	MN02, NEW YORK, NY	8.1100
2039707	20:14:00	20947	NYC DOS	BB5420	NY	20947	NULL	10	MN10, NEW YORK, NY	12.5000
2039708	20:19:43	20947	NYC DOS	AU7857	NY	604244	NULL	10	MN04, NEW YORK, NY	11.7800

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13

FACILITY NAME: COVANTA ESSEX

DATE: 17-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039709	20:22:10	32797	INTER-REGIONAL DISPOSAL	AT413K	NJ	10958	258385	10	New York - 3000, NEW YORK, NY	3.1500
2039710	20:24:35	20947	NYC DOS	AU8458	NY	605459	NULL	10	MN03, NEW YORK, NY	10.5400
2039711	20:26:53	20947	NYC DOS	R48491	NY	9082	NULL	10	MN03, NEW YORK, NY	11.8200
2039712	20:29:46	20947	NYC DOS	AZ8766	NY	605744	NULL	10	MN03, NEW YORK, NY	12.8600
2039713	20:33:25	20947	NYC DOS	AW9222	NY	605905	NULL	10	MN10, NEW YORK, NY	10.4800
2039714	20:36:03	20947	NYC DOS	AZ9554	NY	605742	NULL	10	MN10, NEW YORK, NY	12.6000
2039715	20:37:07	20947	NYC DOS	AZ3667	NY	605526	NULL	10	MN03, NEW YORK, NY	9.6000
2039716	20:39:05	20947	NYC DOS	AD5224	NY	604265	NULL	10	MN12, NEW YORK, NY	11.4700
2039717	20:41:03	20947	NYC DOS	AZ3426	NY	20947	NULL	10	MN03, NEW YORK, NY	10.7200
2039718	20:42:35	20947	NYC DOS	AW5079	NY	604059	NULL	10	MN12, NEW YORK, NY	10.6900
2039719	20:44:59	17273	WASTE MANAGEMENT	AN429J	NJ	9286	246356	27	International - 9900, NEW YORK, NY	3.3800
2039720	20:48:37	20947	NYC DOS	AU8496	NY	605906	NULL	10	MN09, NEW YORK, NY	3.5800
2039721	20:49:45	20947	NYC DOS	AU7873	NY	603620	NULL	10	MN03, NEW YORK, NY	10.3200
2039722	20:50:07	20947	NYC DOS	AZ8663	NY	20947	NULL	10	MN04, NEW YORK, NY	12.9900
2039723	20:53:23	20947	NYC DOS	AZ8667	NY	605738	NULL	10	MN07, NEW YORK, NY	10.9100
2039724	20:54:59	20947	NYC DOS	AU8467	NY	605897	NULL	10	MN10, NEW YORK, NY	13.6500
2039725	20:57:11	20947	NYC DOS	AU7807	NY	603727	NULL	10	MN02, NEW YORK, NY	5.6400
2039726	21:00:47	20947	NYC DOS	AZ1849	NY	603443	NULL	10	MN07, NEW YORK, NY	11.0200
2039727	21:03:01	20947	NYC DOS	AU7831	NY	603745	NULL	10	MN03, NEW YORK, NY	10.3400
2039728	21:04:00	20947	NYC DOS	AZ5181	NY	20947	NULL	10	MN07, NEW YORK, NY	9.0600
2039729	21:05:56	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714, ESSEX, NJ	9.6900
2039730	21:07:45	20947	NYC DOS	R38020	NY	8491	NULL	10	MN02, NEW YORK, NY	5.9700
2039731	21:07:59	20947	NYC DOS	AU7027	NY	7744	NULL	10	MN12, NEW YORK, NY	6.2300
2039732	21:13:30	20947	NYC DOS	AZ4103	NY	605469	NULL	10	MN12, NEW YORK, NY	14.1800
2039733	21:13:45	4152	NEWARK SANITATION	MG31118	NJ	1714	NULL	10	Newark City - 0714, ESSEX, NJ	2.5800
2039734	21:19:52	20947	NYC DOS	AW4960	NY	604075	NULL	10	MN02, NEW YORK, NY	12.7900
2039735	21:20:33	4152	NEWARK SANITATION	MG24115	NJ	1736	NULL	10	Newark City - 0714, ESSEX, NJ	6.3800
2039736	21:40:29	32797	INTER-REGIONAL DISPOSAL	AU599L	NJ	10967	NULL	10	New York - 3000, NEW YORK, NY	16.0900
2039737	21:42:44	20947	NYC DOS	AD5601	NY	8837	NULL	10	MN02, NEW YORK, NY	2.8000
2039738	21:43:18	20947	NYC DOS	AZ1843	NY	605438	NULL	10	MN04, NEW YORK, NY	14.4800
2039739	22:20:42	21406	GAETA INTERIOR DEMOLITION	43844PC	NY	6199	263611	10	New York - 3000, NEW YORK, NY	8.3600
2039740	23:17:29	17273	WASTE MGT OF NEW JERSEY	AN429J	NJ	9286	246356	27	Bayonne City - 0901, HUDSON, NJ	7.6000
2039741	23:41:20	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Hackensack City - 0223, BERGEN, NJ	14.4600
Total Tons Received									3,664.9100	

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 18-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039742	00:00:57	20947	NYC DOS	AU9919	NY	604159	703129	10	MN10, NEW YORK, NY	9.2100
2039743	00:01:44	20947	NYC DOS	AW5077	NY	604050	703099	10	MN10, NEW YORK, NY	6.0900
2039744	00:04:24	20947	NYC DOS	AU8739	NY	604191	703244	10	MN03, NEW YORK, NY	7.4000
2039745	00:05:14	20947	NYC DOS	R38097	NY	8583	NULL	10	MN03, NEW YORK, NY	3.8800
2039746	00:07:36	20947	NYC DOS	AZ9289	NY	605754	703148	10	MN10, NEW YORK, NY	8.3900
2039747	00:08:33	20947	NYC DOS	BA1438	NY	20947	NULL	10	MN04, NEW YORK, NY	7.8500
2039748	00:11:18	20947	NYC DOS	BA1129	NY	605753	703193	10	MN10, NEW YORK, NY	5.5000
2039749	00:12:04	20947	NYC DOS	BB267S	NY	606269	NULL	10	MN10, NEW YORK, NY	9.7200
2039750	00:14:58	20947	NYC DOS	AZ4137	NY	605467	NULL	10	MN03, NEW YORK, NY	11.0600
2039751	00:15:28	20947	NYC DOS	AU9738	NY	604160	703229	10	MN03, NEW YORK, NY	8.4900
2039752	00:16:48	20947	NYC DOS	AW4262	NY	604079	NULL	10	MN03, NEW YORK, NY	4.8000
2039753	00:17:46	20947	NYC DOS	AZ4023	NY	605379	NULL	10	MN07, NEW YORK, NY	10.5000
2039754	00:18:30	20947	NYC DOS	AU7833	NY	603724	703176	10	MN10, NEW YORK, NY	7.0600
2039755	00:19:48	20947	NYC DOS	BB4767	NY	606187	NULL	10	MN10, NEW YORK, NY	9.5600
2039756	00:20:16	20947	NYC DOS	BB6918	NY	606248	NULL	10	MN07, NEW YORK, NY	11.4100
2039757	00:22:12	20947	NYC DOS	AU7930	NY	7923	NULL	10	MN03, NEW YORK, NY	8.1500
2039758	00:25:05	20947	NYC DOS	AZ6062	NY	605597	NULL	10	MN11, NEW YORK, NY	14.0500
2039759	00:27:19	17273	WASTE MGT OF NEW JERSEY	AN429J	NJ	9286	246357	27	Bayonne City - 0901, HUDSON, NJ	6.4400
2039760	00:28:03	20947	NYC DOS	AZ7898	NY	605652	NULL	10	MN07, NEW YORK, NY	9.4300
2039761	00:32:26	20947	NYC DOS	AZ8761	NY	605747	NULL	10	MN12, NEW YORK, NY	10.4100
2039762	00:35:15	20947	NYC DOS	AU7961	NY	603755	NULL	10	MN07, NEW YORK, NY	5.7600
2039763	00:36:36	20947	NYC DOS	AZ1577	NY	20947	NULL	10	MN07, NEW YORK, NY	10.2600
2039764	00:38:08	20947	NYC DOS	AZ9294	NY	20947	704639	10	MN03, NEW YORK, NY	7.6300
2039765	00:41:25	20947	NYC DOS	AW6145	NY	604307	NULL	10	MN12, NEW YORK, NY	10.9400
2039766	00:49:23	20947	NYC DOS	AU7936	NY	603623	NULL	10	MN07, NEW YORK, NY	3.6700
2039767	00:56:16	20947	NYC DOS	AU7808	NY	603684	NULL	10	MN07, NEW YORK, NY	10.5800
2039768	01:07:29	20947	NYC DOS	AZ24136	NY	605522	NULL	10	MN12, NEW YORK, NY	10.4500
2039769	01:18:15	20947	NYC DOS	AD5502	NY	604193	703205	10	MN03, NEW YORK, NY	8.4000
2039770	01:20:45	20947	NYC DOS	AU8435	NY	605451	NULL	10	MN12, NEW YORK, NY	11.1000
2039771	01:21:59	20947	NYC DOS	AZ9289	NY	605754	703147	10	MN10, NEW YORK, NY	9.5900
2039772	01:24:28	20947	NYC DOS	AU8094	NY	603768	NULL	10	MN12, NEW YORK, NY	9.2500
2039773	01:25:52	20947	NYC DOS	BB7131	NY	606245	NULL	10	MN03, NEW YORK, NY	12.0000
2039774	01:28:00	20947	NYC DOS	AW5077	NY	604050	703100	10	MN10, NEW YORK, NY	6.2200
2039775	01:29:23	20947	NYC DOS	AU8454	NY	605458	NULL	10	MN03, NEW YORK, NY	10.5200
2039776	01:31:46	20947	NYC DOS	AU8264	NY	20947	NULL	10	MN03, NEW YORK, NY	9.1600
2039777	01:33:25	20947	NYC DOS	BA1486	NY	605751	703084	10	MN03, NEW YORK, NY	8.4300
2039778	01:35:37	20947	NYC DOS	AU9919	NY	604159	703087	10	MN10, NEW YORK, NY	10.0500
2039779	01:40:05	20947	NYC DOS	AD5152	NY	604286	NULL	10	MN12, NEW YORK, NY	12.6800
2039780	01:41:59	20947	NYC DOS	AD5537	NY	604170	NULL	10	MN12, NEW YORK, NY	12.1700
2039781	01:43:44	20947	NYC DOS	BA1534	NY	605734	NULL	10	MN07, NEW YORK, NY	9.9100
2039782	01:44:10	20947	NYC DOS	AZ4035	NY	605397	NULL	10	MN12, NEW YORK, NY	10.8400
2039783	01:45:52	20947	NYC DOS	AU8098	NY	603777	NULL	10	MN12, NEW YORK, NY	9.8000
2039784	01:46:47	20947	NYC DOS	AU9738	NY	604160	703224	10	MN03, NEW YORK, NY	5.7500
2039785	01:48:41	20947	NYC DOS	AU8739	NY	604191	703277	10	MN03, NEW YORK, NY	10.2300
2039786	01:52:04	20947	NYC DOS	AU8443	NY	605899	NULL	10	MN12, NEW YORK, NY	9.3400
2039787	01:53:27	20947	NYC DOS	AU7958	NY	603789	NULL	10	MN07, NEW YORK, NY	10.9600
2039788	01:53:55	20947	NYC DOS	AU8519	NY	605904	NULL	10	MN12, NEW YORK, NY	12.5900

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 18-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039789	01:59:26	20947	NYC DOS	AU80333	NY	603669	NULL	10	MN10, NEW YORK, NY	12.3700
2039790	02:00:07	20947	NYC DOS	BA2300	NY	605833	NULL	10	MN04, NEW YORK, NY	13.2400
2039791	02:01:53	20947	NYC DOS	BA1129	NY	605753	703170	10	MN10, NEW YORK, NY	7.8100
2039792	02:03:38	20947	NYC DOS	AD5261	NY	603608	NULL	10	MN07, NEW YORK, NY	5.8700
2039793	02:06:40	20947	NYC DOS	AU7833	NY	603724	703143	10	MN10, NEW YORK, NY	6.8100
2039794	02:07:18	20947	NYC DOS	AU7963	NY	603752	NULL	10	MN07, NEW YORK, NY	11.6800
2039795	02:08:29	2931	T. FARESE & SONS INC	XBEE36	NJ	10298	NULL	10	Passaic City - 1607, PASSAIC, NJ	9.2500
2039796	02:12:41	18571	INTERSTATE WASTE SERVICES	AU174F	NY	23586	NULL	10	Orange, City Of - 0717, ESSEX, NJ	9.5300
2039797	02:16:53	20947	NYC DOS	AU7803	NY	603830	NULL	10	MN02, NEW YORK, NY	7.7100
2039798	02:25:06	20947	NYC DOS	AU7792	NY	8380	NULL	10	MN07, NEW YORK, NY	9.4300
2039799	02:48:10	20947	NYC DOS	R21267	NY	7471	NULL	10	MN12, NEW YORK, NY	10.2900
2039800	02:49:01	20947	NYC DOS	AU7342	NY	603639	NULL	10	MN07, NEW YORK, NY	6.5600
2039801	02:51:08	20947	NYC DOS	AD5704	NY	604252	NULL	10	MN07, NEW YORK, NY	12.9100
2039802	02:59:17	20947	NYC DOS	AD5502	NY	604193	704611	10	MN03, NEW YORK, NY	9.1300
2039803	03:02:37	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Totowa Boro - 1612, PASSAIC, NJ	12.5100
2039804	03:04:15	1154	M&M SANITATION	AR602G	NJ	1129	NULL	10	New York - 3000, NEW YORK, NY	11.6200
2039805	03:10:41	18571	INTERSTATE WASTE SERVICES	AS279J	NY	26249	NULL	10	Caldwell Borough - 0703, ESSEX, NJ	5.5800
2039806	03:12:35	20947	NYC DOS	AU7935	NY	20947	NULL	10	MN12, NEW YORK, NY	11.9500
2039807	03:16:43	2931	T. FARESE & SONS INC	XFNG30	NJ	18482	241562	10	Clifton City - 1602, PASSAIC, NJ	5.4900
2039808	03:17:47	20947	NYC DOS	AU8035	NY	603636	NULL	10	MN12, NEW YORK, NY	10.6800
2039809	03:23:18	20947	NYC DOS	AU8021	NY	603806	NULL	10	MN07, NEW YORK, NY	8.7900
2039810	03:23:52	20947	NYC DOS	AE1156	NY	604152	NULL	10	MN04, NEW YORK, NY	13.1500
2039811	03:25:12	20947	NYC DOS	AU8506	NY	605903	NULL	10	MN12, NEW YORK, NY	11.0600
2039812	03:25:55	20947	NYC DOS	AE1193	NY	9450	NULL	10	MN07, NEW YORK, NY	11.5800
2039813	03:28:28	18571	INTERSTATE WASTE SERVICES	AS976G	NY	489	NULL	10	Orange, City Of - 0717, ESSEX, NJ	18.7200
2039814	03:34:59	20947	NYC DOS	AU7833	NY	603724	703327	10	MN10, NEW YORK, NY	7.0800
2039815	03:35:43	20947	NYC DOS	AZ4036	NY	605446	NULL	10	MN12, NEW YORK, NY	11.0400
2039816	03:38:29	32797	INTER-REGIONAL DISPOSAL	AT740C	NJ	10961	NULL	10	New York - 3000, NEW YORK, NY	9.5300
2039817	03:38:43	9330	CALI CARTING	XR863N	NJ	6270	NULL	10	Elmwood Park - 0213, BERGEN, NJ	9.7800
2039818	03:41:08	18571	INTERSTATE WASTE SERVICES	AT890W	NY	17007	NULL	10	Newark City - 0714, ESSEX, NJ	13.4800
2039819	03:41:42	20947	NYC DOS	AU7789	NY	7674	NULL	10	MN01, NEW YORK, NY	13.4200
2039820	03:47:25	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	241225	10	Clifton City - 1602, PASSAIC, NJ	0.3400
2039821	03:48:58	17273	WASTE MANAGEMENT	AS393P	NJ	9740	245502	27	International - 9900, NEW YORK, NY	6.9900
2039822	03:50:38	20947	NYC DOS	AZ9289	NY	605754	704664	10	MN10, NEW YORK, NY	8.1800
2039823	03:51:29	20947	NYC DOS	AW5078	NY	9624	703231	10	MN03, NEW YORK, NY	8.1800
2039824	03:53:37	20947	NYC DOS	R38072	NY	8567	NULL	10	MN12, NEW YORK, NY	9.7100
2039825	03:55:16	20947	NYC DOS	BA1129	NY	605753	703196	10	MN10, NEW YORK, NY	10.0100
2039826	03:56:02	20947	NYC DOS	AU8739	NY	604191	703281	10	MN03, NEW YORK, NY	10.4500
2039827	03:57:05	20947	NYC DOS	AW5077	NY	604050	703098	10	MN10, NEW YORK, NY	5.2000
2039828	03:57:34	20947	NYC DOS	AU8217	NY	604893	NULL	10	MN10, NEW YORK, NY	6.5500
2039829	03:58:31	2931	T. FARESE & SONS INC	XHES31	NJ	26555	NULL	10	Clifton City - 1602, PASSAIC, NJ	14.7500
2039830	04:01:30	20947	NYC DOS	AH4211	NY	604081	NULL	10	MN12, NEW YORK, NY	10.8700
2039831	04:02:00	8262	F. BASSO JR. RUBBISH REMOVAL	XGJN36	NJ	6801	NULL	10	Cedar Grove - 0704, ESSEX, NJ	7.6400
2039832	04:16:44	20947	NYC DOS	AU8041	NY	5604017	NULL	10	MN03, NEW YORK, NY	6.9700
2039833	04:17:24	20947	NYC DOS	AU7964	NY	603746	NULL	10	MN03, NEW YORK, NY	9.9800
2039834	04:20:05	6759	SUBURBAN DISPOSAL CORP	XCVR46	NJ	825	NULL	10	East Orange City - 0705, ESSEX, NJ	17.6500
2039835	04:22:12	2884	LOUIS T. ROSELLE, INC -	XDNV26	NJ	877	204599	10	Ivington Township - 0709, ESSEX, NJ	12.9400

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 18-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039836	04:27:55	20381	IESI CORPORATION	43456PC	NJ	10220	240681	27	International - 9900, NEW YORK, NY	8.6600
2039837	04:29:09	20947	NYC DOS	AW5373	NY	604048	NULL	10	MN03, NEW YORK, NY	11.5300
2039838	04:33:02	6759	SUBURBAN DISPOSAL CORP	XCVR36	NJ	822	NULL	10	Belleville Township - 0701, ESSEX, NJ	9.2000
2039839	04:33:26	20947	NYC DOS	R27914	NY	7937	NULL	10	MN03, NEW YORK, NY	10.3700
2039840	04:36:09	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	13.8500
2039841	04:36:22	28907	WASTE INDUSTRIES	XL674Y	NJ	269	NULL	10	Livingston Township - 0710, ESSEX, NJ	8.7900
2039842	04:41:07	20947	NYC DOS	AU7859	NY	4991	NULL	10	MN04, NEW YORK, NY	7.6100
2039843	04:43:51	18571	INTERSTATE WASTE SERVICES	AS278R	NY	389	218301	10	Livingston Township - 0710, ESSEX, NJ	8.7900
2039844	04:45:37	20947	NYC DOS	AU7894	NY	7455	NULL	10	MN04, NEW YORK, NY	9.7500
2039845	04:50:03	17273	WASTE MGT OF NEW JERSEY	AU172R	NJ	9318	245797	10	Short Hills, ESSEX, NJ	7.2200
2039846	04:53:50	3660	GAETA RECYCLING	XDHG56	NJ	10405	NULL	10	Wyckoff Twp - 0270, BERGEN, NJ	14.3400
2039847	04:54:42	17273	WASTE MGT OF NEW JERSEY	AN608N	NJ	9270	NULL	10	Maplewood Township - 0711, ESSEX, NJ	11.4600
2039848	05:03:21	3660	GAETA RECYCLING	XV526K	NJ	10436	NULL	10	Wyckoff Twp - 0270, BERGEN, NJ	13.5900
2039849	05:06:29	6759	SUBURBAN DISPOSAL CORP	XE521J	NJ	702	NULL	10	Irvington Township - 0709, ESSEX, NJ	10.5000
2039850	05:14:15	2884	LOUIS T. ROSELLE, INC.-	AN826C	NJ	766	204702	10	Bloomfield Township - 0702, ESSEX, NJ	4.9600
2039852	05:19:46	3660	GAETA RECYCLING	XFEM31	NJ	18712	NULL	10	Franklin Lakes - 0220, BERGEN, NJ	16.0400
2039853	05:26:37	28907	WASTE INDUSTRIES	XR563W	NJ	12627	NULL	10	Verona Borough - 0720, ESSEX, NJ	13.9600
2039854	05:27:24	2931	T. FARESE & SONS INC	XV877Z	NJ	10301	NULL	10	Passaic City - 1607, PASSAIC, NJ	9.4000
2039856	05:30:33	6759	SUBURBAN DISPOSAL CORP	AN824C	NJ	851	NULL	10	Oakland Boro - 0242, BERGEN, NJ	10.9300
2039857	05:33:02	20947	NYC DOS	AD5502	NY	604193	704593	10	MN03, NEW YORK, NY	6.4800
2039858	05:34:15	2931	T. FARESE & SONS INC	XFAD18	NJ	10240	271742	10	Passaic City - 1607, PASSAIC, NJ	2.5000
2039860	05:37:18	2931	T. FARESE & SONS INC	XGGX42	NJ	24870	241292	10	Little Falls - 1605, PASSAIC, NJ	8.2500
2039862	05:45:40	2884	LOUIS T. ROSELLE, INC.-	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	12.3300
2039863	05:46:19	2884	LOUIS T. ROSELLE, INC.-	XX659X	NJ	870	204678	10	Newark City - 0714, ESSEX, NJ	1.1400
2039864	05:50:00	6759	SUBURBAN DISPOSAL CORP	XDNLJ26	NJ	874	NULL	10	Glen Ridge - 0708, ESSEX, NJ	15.0500
2039866	05:53:56	8262	F. BASSO JR. RUBBISH REMOVAL	XGJR56	NJ	6803	NULL	10	North Caldwell Township - 0715, ESSEX, NJ	14.6000
2039867	05:54:33	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY65	NJ	6787	NULL	10	Newark City - 0714, ESSEX, NJ	13.6500
2039868	05:55:28	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	241510	10	Orange, City Of - 0717, ESSEX, NJ	3.1600
2039869	05:57:16	9330	CALI CARTING	XY135H	NJ	6291	NULL	10	Elmwood Park - 0213, BERGEN, NJ	8.8200
2039871	06:00:28	18571	INTERSTATE WASTE	AU621J	NJ	24348	217026	27	International - 9900, NEW YORK, NY	9.3900
2039872	06:01:54	2931	T. FARESE & SONS INC	XATB21	NJ	10256	240938	10	East Orange City - 0705, ESSEX, NJ	0.2500
2039875	06:05:13	17273	WASTE MGT OF NEW JERSEY	AS867P	NJ	9745	NULL	10	Maplewood Township - 0711, ESSEX, NJ	8.8400
2039876	06:10:16	9330	CALI CARTING	XR859N	NJ	6255	NULL	10	Caldwell Borough - 0703, ESSEX, NJ	15.0400
2039877	06:11:39	2931	T. FARESE & SONS INC	XFNG30	NJ	18482	266079	10	Rutherford Borough - 0256, BERGEN, NJ	1.7100
2039879	06:13:47	20947	NYC DOS	AU8259	NY	605452	NULL	10	MN07, NEW YORK, NY	10.2600
2039880	06:17:48	17273	WASTE MGT OF NEW JERSEY	AN603P	NJ	9278	NULL	10	Maplewood Township - 0711, ESSEX, NJ	14.4700
2039881	06:20:11	17273	WASTE MANAGEMENT	AU224K	NJ	9927	245508	27	International - 9900, NEW YORK, NY	3.0200
2039882	06:26:10	6759	SUBURBAN DISPOSAL CORP	XELF77	NJ	892	NULL	10	Fairfield Borough - 0707, ESSEX, NJ	17.6000
2039885	06:31:15	6759	SUBURBAN DISPOSAL CORP	XN894R	NJ	735	NULL	10	West Orange Township - 0722, ESSEX, NJ	17.6900
2039886	06:33:58	2931	T. FARESE & SONS INC	XGGX22	NJ	24875	NULL	10	Essex Fells Borough - 0706, ESSEX, NJ	6.2900
2039887	06:35:12	17273	WASTE MGT OF NEW JERSEY	AU172R	NJ	9318	245780	10	Short Hills, ESSEX, NJ	6.6400
2039888	06:35:49	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256574	10	Newark City - 0714, ESSEX, NJ	1.6200
2039889	06:36:54	1154	M&M SANITATION	AR602G	NJ	1129	NULL	10	New York - 3000, NEW YORK, NY	5.5600
2039890	06:37:52	2884	LOUIS T. ROSELLE, INC.-	XCXB78	NJ	760	NULL	10	West Orange Township - 0722, ESSEX, NJ	16.8300
2039891	06:38:44	18571	INTERSTATE WASTE SERVICES	AU174F	NY	23586	NULL	10	Orange, City Of - 0717, ESSEX, NJ	9.9700
2039892	06:39:01	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	12.6100
2039895	06:48:56	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	NULL	10	East Orange City - 0705, ESSEX, NJ	7.0200

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Division of Solid and Hazardous Waste
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FACILITY NAME: COVANTA ESSEX

DATE: 18-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039896	06:49:57	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	258884	10	Clifton City - 1602, PASSAIC, NJ	1.0900
2039898	07:00:34	2884	LOUIS T. ROSELLE, INC.	XAVA69	NJ	874A	204975	10	Montclair Township - 0713, ESSEX, NJ	3.9200
2039899	07:02:53	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Newark City - 0714, ESSEX, NJ	8.6900
2039901	07:08:17	20947	NYC DOS	AW5077	NY	604050	703192	10	MN10, NEW YORK, NY	7.1800
2039902	07:09:52	3660	GAEA RECYCLING	XGDE79	NJ	23856	256487	10	Fairfield Borough - 0707, ESSEX, NJ	4.6800
2039903	07:10:21	20947	NYC DOS	AZ9294	NY	20947	703227	10	MN03, NEW YORK, NY	8.9800
2039904	07:14:21	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218441	10	Newark City - 0714, ESSEX, NJ	5.4400
2039905	07:15:54	32797	INTER-REGIONAL DISPOSAL	AU675M	NJ	10965	NULL	10	New York - 3000, NEW YORK, NY	20.1400
2039906	07:20:10	20947	NYC DOS	AZ9289	NY	605754	703160	10	MN10, NEW YORK, NY	8.2200
2039907	07:21:52	4152	NEWARK SANITATION	MG86991	NJ	1752	NULL	10	Newark City - 0714, ESSEX, NJ	3.5000
2039908	07:26:37	17273	WASTE MANAGEMENT	AU222K	NJ	9925	246483	27	International - 9900, NEW YORK, NY	9.7900
2039909	07:30:14	5778	MONTCLAIR DEPT OF PUBLIC WORKS	MG57847	NJ	601610MON	NULL	10	Montclair Township - 0713, ESSEX, NJ	1.6700
2039910	07:31:35	20947	NYC DOS	BA1486	NY	605751	704600	10	MN03, NEW YORK, NY	7.2400
2039911	07:36:36	32797	INTER-REGIONAL DISPOSAL	AU637X	NJ	10964	NULL	10	New York - 3000, NEW YORK, NY	16.1300
2039912	07:38:02	32797	INTER-REGIONAL DISPOSAL	AU600L	NJ	10966	NULL	10	New York - 3000, NEW YORK, NY	15.0600
2039914	07:48:02	17273	WASTE MANAGEMENT	AU224K	NJ	9927	245504	27	International - 9900, NEW YORK, NY	3.0200
2039915	07:49:51	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	241358	10	Clifton City - 1602, PASSAIC, NJ	5.0800
2039916	07:51:08	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	258852	10	Newark City - 0714, ESSEX, NJ	4.6300
2039917	08:05:38	2931	T. FARESE & SONS INC	XGGK42	NJ	24870	266127	27	Elmwood Park - 0211, BERGEN, NJ	8.4000
2039919	08:09:21	2884	LOUIS T. ROSELLE, INC.	AN826C	NJ	766	204574	10	Livingston Township - 0710, ESSEX, NJ	3.1800
2039920	08:10:33	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	NULL	10	Livingston Township - 0710, ESSEX, NJ	13.3200
2039921	08:10:44	20947	NYC DOS	BA1129	NY	605753	7031074	10	MN10, NEW YORK, NY	7.2800
2039922	08:16:47	9330	CALI CARTING	XDCX97	NJ	6285	NULL	10	Newark City - 0714, ESSEX, NJ	12.4900
2039923	08:17:10	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256551	10	Newark City - 0714, ESSEX, NJ	3.0400
2039925	08:32:10	20947	NYC DOS	AU7899	NY	7649	NULL	10	MN02, NEW YORK, NY	7.0300
2039926	08:36:59	6759	SUBURBAN DISPOSAL CORP	ZOBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	17.2000
2039927	08:42:49	20947	NYC DOS	AU8739	NY	604191	703264	10	MN03, NEW YORK, NY	8.8400
2039928	08:43:58	20947	NYC DOS	AZ8019	NY	605654	NULL	10	MN09, NEW YORK, NY	7.9000
2039929	08:54:16	18571	INTERSTATE WASTE	AU257P	NJ	25413	NULL	10	Passaic City - 1607, PASSAIC, NJ	15.3900
2039930	08:55:26	20947	NYC DOS	AZ8663	NY	20947	NULL	10	MN04, NEW YORK, NY	14.1200
2039931	08:56:01	20947	NYC DOS	AU8010	NY	7775	NULL	10	MN09, NEW YORK, NY	11.9100
2039932	08:57:00	20947	NYC DOS	AU8008	NY	603801	NULL	10	MN09, NEW YORK, NY	11.9800
2039933	08:57:33	6759	SUBURBAN DISPOSAL CORP	XCVR46	NJ	825	NULL	10	East Orange City - 0705, ESSEX, NJ	16.6300
2039934	09:00:27	20947	NYC DOS	AZ8018	NY	605655	NULL	10	MN09, NEW YORK, NY	11.1700
2039935	09:10:16	20947	NYC DOS	AZ5179	NY	605520	NULL	10	MN09, NEW YORK, NY	8.9400
2039936	09:10:45	20947	NYC DOS	AZ9519	NY	606074	NULL	10	MN09, NEW YORK, NY	10.5400
2039937	09:13:27	18571	INTERSTATE WASTE	AP319U	NJ	444	NULL	10	Passaic City - 1607, PASSAIC, NJ	21.2100
2039938	09:14:44	6759	SUBURBAN DISPOSAL CORP	XCKM64	NJ	804	NULL	10	East Orange City - 0705, ESSEX, NJ	16.3300
2039939	09:15:15	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	6.6100
2039940	09:16:52	20947	NYC DOS	AE1895	NY	604340	NULL	10	MN04, NEW YORK, NY	16.6300
2039941	09:18:10	20947	NYC DOS	AW4205	NY	604082	NULL	10	MN02, NEW YORK, NY	7.4700
2039942	09:24:34	20947	NYC DOS	AZ1804	NY	605444	NULL	10	MN04, NEW YORK, NY	10.2000
2039943	09:26:19	17273	WASTE MGT OF NEW JERSEY	AS728Y	NJ	9764	NULL	10	Newark City - 0714, ESSEX, NJ	12.1500
2039945	09:31:17	6759	SUBURBAN DISPOSAL CORP	X3648BV	NJ	783	NULL	10	Irvington Township - 0709, ESSEX, NJ	16.8800
2039946	09:33:00	20947	NYC DOS	AW4226	NY	604080	NULL	10	MN02, NEW YORK, NY	10.0000
2039947	09:35:17	20947	NYC DOS	AU8511	NY	20947	NULL	10	MN09, NEW YORK, NY	11.3100
2039948	09:36:22	09369	GARY GRAY	AT920A	NJ	1004	204757	27	Hackettstown Town - 2108, WARREN, NJ	1.7500

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 18-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2039950	09:40:18	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218443	10	Irvington Township - 0709, ESSEX, NJ	3.9400
2039951	09:41:52	20947	NYC DOS	AW5077	NY	604050	703194	10	MN10, NEW YORK, NY	4.8200
2039952	09:44:35	20947	NYC DOS	BA1977	NY	605908	NULL	10	MN04, NEW YORK, NY	8.9500
2039953	09:46:02	3660	GAETA RECYCLING	XAPH27	NJ	10375	NULL	10	Newark City - 0714, ESSEX, NJ	9.4100
2039954	09:46:40	6759	SUBURBAN DISPOSAL CORP	XHGM99	NJ	26723	NULL	10	Fairfield Borough - 0707, ESSEX, NJ	13.7500
2039955	09:50:26	20947	NYC DOS	AU8013	NY	8512	NULL	10	MN09, NEW YORK, NY	10.5200
2039956	09:53:27	8262	F. BASSO JR. RUBBISH REMOVAL	XHJD57	NJ	6815	NULL	10	Newark City - 0714, ESSEX, NJ	6.2900
2039957	09:56:36	6759	SUBURBAN DISPOSAL CORP	XS174K	NJ	894	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	16.4700
2039958	10:00:03	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY65	NJ	6787	NULL	10	Newark City - 0714, ESSEX, NJ	4.6700
2039959	10:01:32	20947	NYC DOS	BA2246	NY	605835	NULL	10	MN08, NEW YORK, NY	11.9700
2039960	10:01:44	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	801	NULL	10	Belleville Township - 0701, ESSEX, NJ	18.8900
2039961	10:02:54	20947	NYC DOS	AZ3600	NY	605528	NULL	10	MN08, NEW YORK, NY	12.2300
2039962	10:03:29	20947	NYC DOS	R38020	NY	8491	NULL	10	MN02, NEW YORK, NY	7.9700
2039963	10:06:57	20947	NYC DOS	AZ9294	NY	20947	703226	10	MN03, NEW YORK, NY	9.9400
2039964	10:08:01	20947	NYC DOS	AU7859	NY	4991	NULL	10	MN04, NEW YORK, NY	12.8700
2039965	10:10:35	2986	ALLEGRO SANITATION	XFUA65	NJ	22117	NULL	10	Newark City - 0714, ESSEX, NJ	10.1100
2039966	10:11:07	18571	INTERSTATE WASTE	AU948P	NJ	25814	NULL	10	Passaic City - 1607, PASSAIC, NJ	19.3000
2039967	10:11:40	18571	INTERSTATE WASTE	AU547P	NJ	25465	NULL	10	Passaic City - 1607, PASSAIC, NJ	19.7300
2039968	10:12:42	20947	NYC DOS	AZ1843	NY	605438	NULL	10	MN04, NEW YORK, NY	11.5300
2039969	10:13:55	17273	WASTE MANAGEMENT	AU222K	NJ	9925	24681	27	International - 9900, NEW YORK, NY	8.3600
2039971	10:15:13	2884	LOUIS T. ROSELLE, INC -	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	5.5400
2039972	10:16:55	2931	T. FARESE & SONS INC	XHES31	NJ	26555	NULL	10	Clifton City - 1602, PASSAIC, NJ	13.6100
2039973	10:18:47	9330	CALI CARTING	XDYL17	NJ	8271	NULL	10	Newark City - 0714, ESSEX, NJ	20.3800
2039974	10:19:48	20947	NYC DOS	BA2300	NY	605833	NULL	10	MN04, NEW YORK, NY	13.4800
2039975	10:21:04	9330	CALI CARTING	XW449Z	NJ	6264	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	14.3100
2039976	10:26:23	20947	NYC DOS	AU8009	NY	7662	NULL	10	MN09, NEW YORK, NY	10.6300
2039977	10:27:10	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY51	NJ	6786	NULL	10	Nutley Township - 0716, ESSEX, NJ	16.1400
2039978	10:27:53	34100	ACTION CARTING ENVIRONMENTAL	AN687R	NJ	3499	212861	27	International - 9900, NEW YORK, NY	11.1400
2039979	10:29:08	8262	F. BASSO JR. RUBBISH REMOVAL	XGZA48	NJ	6806	NULL	10	Nutley Township - 0716, ESSEX, NJ	18.2300
2039980	10:30:32	18571	INTERSTATE WASTE SERVICES	AU174F	NY	23588	NULL	10	Orange, City Of - 0717, ESSEX, NJ	7.6900
2039981	10:30:38	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	NULL	10	Belleville Township - 0701, ESSEX, NJ	16.1600
2039982	10:31:31	4152	NEWARK SANITATION	MG98219	NJ	6309	NULL	10	Newark City - 0714, ESSEX, NJ	15.5600
2039983	10:33:13	20947	NYC DOS	BA1438	NY	20947	NULL	10	MN04, NEW YORK, NY	14.2900
2039985	10:35:49	6759	SUBURBAN DISPOSAL CORP	AP175E	NJ	778	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	13.8000
2039986	10:35:56	8262	F. BASSO JR. RUBBISH REMOVAL	XFNW31	NJ	6775	NULL	10	Nutley Township - 0716, ESSEX, NJ	15.9700
2039987	10:37:21	4500	JOSEPH SMENTKOWSKI	XX622N	NJ	14766	NULL	10	Orange, City Of - 0717, ESSEX, NJ	20.4700
2039988	10:39:42	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	4.6200
2039989	10:43:33	2884	LOUIS T. ROSELLE, INC -	XDNV26	NJ	877	204999	10	Orange, City Of - 0717, ESSEX, NJ	5.8900
2039990	10:44:07	20947	NYC DOS	BA1129	NY	605753	703103	10	MN10, NEW YORK, NY	9.9800
2039992	10:47:59	8262	BASSO/LITTLE FALLS	XEVJ26	NJ	6789	NULL	10	Little Falls - 1605, PASSAIC, NJ	14.2800
2039993	10:48:30	4152	NEWARK SANITATION	13640MG	NJ	9291	NULL	10	Newark City - 0714, ESSEX, NJ	4.5500
2039994	10:50:21	2884	LOUIS T. ROSELLE, INC -	XCVR11	NJ	860	205011	10	West Orange Township - 0722, ESSEX, NJ	10.4800
2039995	10:50:27	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	NULL	10	Irvington Township - 0709, ESSEX, NJ	19.3800
2039998	10:55:19	18571	INTERSTATE WASTE SERVICES	AT890W	NY	17007	NULL	10	Newark City - 0714, ESSEX, NJ	13.5500
2039999	11:00:59	6759	SUBURBAN DISPOSAL CORP	XEMT59	NJ	888	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	18.0800
2040000	11:01:08	8262	F. BASSO JR. RUBBISH REMOVAL	XGJS14	NJ	6085	NULL	10	Cedar Grove - 0704, ESSEX, NJ	10.7800
2040001	11:02:16	20947	NYC DOS	AU8011	NY	8404	NULL	10	MN09, NEW YORK, NY	9.3100

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 18-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2040002	11:03:14	8653	ACTION CARTING ENVIRONMENTAL	AT139HJ	NJ	4402	24148	27	Teterboro Boro - 0262, BERGEN, NJ	11.1500
2040003	11:04:52	20947	NYC DOS	AU8739	NY	604191	704666	10	MN03, NEW YORK, NY	6.3500
2040004	11:06:40	32797	INTER-REGIONAL DISPOSAL	AU599L	NJ	10967	NULL	10	New York - 3000, NEW YORK, NY	14.9100
2040005	11:08:31	36344	COMMERCIAL DISTRICT SERVICES LLC	X2125U	NJ	12856	12856	10	Newark City - 0714, ESSEX, NJ	0.6400
2040006	11:20:53	18571	INTERSTATE WASTE SERVICES	AS278R	NY	389	218303	10	Livingston Township - 0710, ESSEX, NJ	2.1200
2040007	11:20:59	6759	SUBURBAN DISPOSAL CORP	XCVR36	NJ	822	NULL	10	Belleville Township - 0701, ESSEX, NJ	17.7800
2040008	11:22:59	10734	SOUTH ORANGE - DPW	12487MG	NJ	604736	704979	10	South Orange Village - 0719, ESSEX, NJ	4.7900
2040009	11:25:23	4152	NEWARK SANITATION	34870MG	NJ	704274	NULL	10	Newark City - 0714, ESSEX, NJ	14.6700
2040010	11:26:50	2931	T FARESE & SONS INC	XV877Z	NJ	10301	NULL	10	Passaic City - 1607, PASSAIC, NJ	11.0100
2040011	11:30:22	8262	F BASSO JR. RUBBISH REMOVAL	XDCY13	NJ	6781	NULL	10	Newark City - 0714, ESSEX, NJ	16.6100
2040012	11:31:55	8262	F BASSO JR. RUBBISH REMOVAL	X1208P	NJ	6780	NULL	10	Newark City - 0714, ESSEX, NJ	14.1900
2040013	11:33:22	10734	SOUTH ORANGE DISPOSAL COMPANY	XHCUB8	NJ	4603	NULL	10	South Orange Village - 0719, ESSEX, NJ	10.2000
2040014	11:35:36	6759	SUBURBAN DISPOSAL CORP	XAAX62	NJ	781	NULL	10	Irvington Township - 0709, ESSEX, NJ	16.5900
2040015	11:38:55	32797	INTER-REGIONAL DISPOSAL	AT4449	NJ	10944	NULL	10	New York - 3000, NEW YORK, NY	13.3600
2040016	11:40:06	6759	SUBURBAN DISPOSAL CORP	XCTW45	NJ	866	NULL	10	West Orange Township - 0722, ESSEX, NJ	14.8000
2040017	11:43:13	4500	JOSEPH SMENTKOWSKI	XEJH35	NJ	14770	NULL	10	Orange, City Of - 0717, ESSEX, NJ	20.2800
2040019	11:46:48	36344	COMMERCIAL DISTRICT SERVICES LLC	XG124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.2700
2040020	11:54:11	4152	NEWARK SANITATION	MG-74634	NJ	6307	NULL	10	Newark City - 0714, ESSEX, NJ	13.7700
2040021	11:55:49	2931	T FARESE & SONS INC	XW720L	NJ	10277	NULL	10	Clifton City - 1602, PASSAIC, NJ	13.5100
2040022	11:56:54	8262	F BASSO JR. RUBBISH REMOVAL	XBFN86	NJ	6792	NULL	10	Newark City - 0714, ESSEX, NJ	16.7700
2040024	11:59:59	5778	MONTCLAIR DEPT OF PUBLIC WORKS	MG97672	NJ	601617	NULL	10	Montclair Township - 0713, ESSEX, NJ	13.5900
2040025	12:02:49	4152	NEWARK SANITATION	13637MG	NJ	4152	NULL	10	Newark City - 0714, ESSEX, NJ	14.2900
2040026	12:04:14	4152	NEWARK SANITATION	MG13641	NJ	603027	NULL	10	Newark City - 0714, ESSEX, NJ	15.9800
2040027	12:05:30	36344	COMMERCIAL DISTRICT SERVICES LLC	XU713U	NJ	12853	12853	10	Newark City - 0714, ESSEX, NJ	0.3400
2040029	12:11:46	3660	GAETA RECYCLING	XFXN54	NJ	10416	NULL	10	Newark City - 0714, ESSEX, NJ	15.2000
2040031	12:13:08	18571	INTERSTATE WASTE	AT683M	NJ	350	NULL	10	Passaic City - 1607, PASSAIC, NJ	18.4400
2040032	12:14:51	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	NULL	10	East Orange City - 0705, ESSEX, NJ	17.9300
2040033	12:18:44	8262	F BASSO JR. RUBBISH REMOVAL	XGZA49	NJ	6808	NULL	10	Newark City - 0714, ESSEX, NJ	13.8600
2040034	12:19:23	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714, ESSEX, NJ	12.9200
2040035	12:20:12	2931	T FARESE & SONS INC	XBEE35	NJ	10297	NULL	10	Clifton City - 1602, PASSAIC, NJ	12.8300
2040037	12:30:23	18571	INTERSTATE WASTE SERVICES	AM217K	NY	4426	219372	10	Fairfax Borough - 0217, BERGEN, NJ	3.3400
2040038	12:31:48	4152	NEWARK SANITATION	34869MG	NJ	704274	NULL	10	Newark City - 0714, ESSEX, NJ	13.9700
2040039	12:33:47	2931	T FARESE & SONS INC	XBEE36	NJ	10298	NULL	10	Passaic City - 1607, PASSAIC, NJ	7.9200
2040040	12:35:49	8262	F BASSO JR. RUBBISH REMOVAL	XF142S	NJ	6797	NULL	10	Newark City - 0714, ESSEX, NJ	13.7400
2040041	12:37:42	2884	LOUIS T. ROSELLE, INC -	XX659X	NJ	870	275106	10	Maplewood Township - 0711, ESSEX, NJ	3.3300
2040042	12:39:00	8262	F BASSO JR. RUBBISH REMOVAL	XELE17	NJ	6788	NULL	10	Newark City - 0714, ESSEX, NJ	12.3800
2040044	12:44:29	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15374MG	NJ	601598MON	NULL	10	Montclair Township - 0713, ESSEX, NJ	15.6300
2040045	12:48:16	8262	F BASSO JR. RUBBISH REMOVAL	XCLC64	NJ	7734	NULL	10	Newark City - 0714, ESSEX, NJ	15.6300
2040046	12:48:54	4152	NEWARK SANITATION	MG31118	NJ	1714	NULL	10	Newark City - 0714, ESSEX, NJ	12.7200
2040047	12:51:59	6759	SUBURBAN DISPOSAL CORP	XHGN10	NJ	930	NULL	10	West Orange Township - 0722, ESSEX, NJ	12.5100
2040048	12:54:28	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15359MG	NJ	601596MON	NULL	10	Montclair Township - 0713, ESSEX, NJ	12.8500
2040049	12:54:47	4152	NEWARK SANITATION	MG14497	NJ	6604844	NULL	10	Newark City - 0714, ESSEX, NJ	15.7900
2040050	13:00:56	8653	ACTION CARTING ENVIRONMENTAL	AT139HJ	NJ	4402	218626	27	Teterboro Boro - 0262, BERGEN, NJ	10.6800
2040052	13:04:59	6759	SUBURBAN DISPOSAL CORP	X3648BV	NJ	783	NULL	10	Irvington Township - 0709, ESSEX, NJ	14.6900
2040054	13:08:49	8262	F BASSO JR. RUBBISH REMOVAL	XELC12	NJ	6795	NULL	10	Newark City - 0714, ESSEX, NJ	13.0900
2040055	13:09:54	20947	NYC DOS	AZ6612	NY	605601	NULL	10	MN01, NEW YORK, NY	13.4900
2040056	13:10:27	20947	NYC DOS	AX2805	NY	603894	NULL	10	MN01, NEW YORK, NY	11.4100

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Division of Solid and Hazardous Waste
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FACILITY NAME: COVANTA ESSEX

DATE: 18-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2040057	13:11:58	6759	SUBURBAN DISPOSAL CORP	XCJW47	NJ	797	NULL	10	West Orange Township - 0722, ESSEX, NJ	16.7000
2040058	13:12:19	6759	SUBURBAN DISPOSAL CORP	AP175E	NJ	778	NULL	10	West Orange Township - 0722, ESSEX, NJ	15.4100
2040059	13:14:10	4152	NEWARK SANITATION	13638MG	NJ	9289	NULL	10	Newark City - 0714, ESSEX, NJ	14.3400
2040060	13:18:46	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15373MG	NJ	601597	NULL	10	Montclair Township - 0713, ESSEX, NJ	12.1100
2040062	13:24:11	6759	SUBURBAN DISPOSAL CORP	XDBV13	NJ	878	NULL	10	West Orange Township - 0722, ESSEX, NJ	18.8400
2040063	13:25:59	8262	F. BASSO JR. RUBBISH REMOVAL	XGJN36	NJ	6801	NULL	10	Newark City - 0714, ESSEX, NJ	16.7100
2040064	13:26:17	8262	F. BASSO JR. RUBBISH REMOVAL	XHJD57	NJ	6815	NULL	10	Newark City - 0714, ESSEX, NJ	5.7300
2040065	13:28:03	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	NULL	10	Fairfield Borough - 0707, ESSEX, NJ	11.1700
2040066	13:28:40	6759	SUBURBAN DISPOSAL CORP	XDNU26	NJ	874	NULL	10	Glen Ridge - 0708, ESSEX, NJ	9.9500
2040068	13:35:30	8262	F. BASSO JR. RUBBISH REMOVAL	XGV857	NJ	6814	NULL	10	Newark City - 0714, ESSEX, NJ	15.4300
2040069	13:36:54	4152	NEWARK SANITATION	MG38081	NJ	1724	NULL	10	Newark City - 0714, ESSEX, NJ	11.6700
2040070	13:37:38	2931	T. FARESE & SONS INC	XHPW27	NJ	9009	258800	10	Clifton City - 1602, PASSAIC, NJ	4.7400
2040072	13:42:17	6759	SUBURBAN DISPOSAL CORP	XCVR46	NJ	825	NULL	10	East Orange City - 0705, ESSEX, NJ	13.5800
2040073	13:43:07	18571	INTERSTATE WASTE	AU257P	NJ	25413	NULL	10	Passaic City - 1607, PASSAIC, NJ	12.9300
2040074	13:46:01	4152	NEWARK SANITATION	13639MG	NJ	4152	NULL	10	Newark City - 0714, ESSEX, NJ	14.9800
2040075	13:47:40	4152	NEWARK SANITATION	MG64612	NJ	1741	NULL	10	Newark City - 0714, ESSEX, NJ	15.4700
2040076	13:51:26	4152	NEWARK SANITATION	MG64614	NJ	1743	NULL	10	Newark City - 0714, ESSEX, NJ	13.3800
2040078	13:55:16	8653	ACTION CARTING ENVIRONMENTAL	AT956Y	NJ	4458	202069	27	Wayne Twp - 1614, PASSAIC, NJ	10.7500
2040079	14:02:40	4152	NEWARK SANITATION	14499MG	NJ	604846	NULL	10	Newark City - 0714, ESSEX, NJ	10.5800
2040080	14:03:32	18571	INTERSTATE WASTE SERVICES	AS278R	NY	389	218302	10	Livingston Township - 0710, ESSEX, NJ	6.4200
2040081	14:04:46	4152	NEWARK SANITATION	MG-64609	NJ	1739	NULL	10	Newark City - 0714, ESSEX, NJ	15.1400
2040082	14:07:18	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	868	NULL	10	Oakland Boro - 0242, BERGEN, NJ	17.9100
2040083	14:08:36	8262	F. BASSO JR. RUBBISH REMOVAL	XT370N	NJ	6793	NULL	10	Newark City - 0714, ESSEX, NJ	16.6800
2040084	14:10:48	6759	SUBURBAN DISPOSAL CORP	AN824C	NJ	851	NULL	10	Oakland Boro - 0242, BERGEN, NJ	17.1500
2040085	14:13:29	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY51	NJ	6786	NULL	10	Nutley Township - 0716, ESSEX, NJ	9.1000
2040087	14:16:40	8262	F. BASSO JR. RUBBISH REMOVAL	XFNW31	NJ	6775	NULL	10	Nutley Township - 0716, ESSEX, NJ	9.3400
2040088	14:17:27	9330	CALI CARTING	XDYL17	NJ	6271	NULL	10	Newark City - 0714, ESSEX, NJ	9.2300
2040089	14:19:57	9330	CALI CARTING	XDCX97	NJ	6285	NULL	10	Newark City - 0714, ESSEX, NJ	9.8900
2040090	14:23:29	8262	F. BASSO JR. RUBBISH REMOVAL	XGZA48	NJ	6806	NULL	10	Nutley Township - 0716, ESSEX, NJ	11.4200
2040091	14:24:33	20219	COAST TO COAST	ZJR3067	NJ	9149	NULL	27	International - 9900, NEW YORK, NY	0.4400
2040093	14:29:22	18571	INTERSTATE WASTE	AP319U	NJ	444	NULL	10	Passaic City - 1607, PASSAIC, NJ	8.5300
2040095	14:36:13	2931	T. FARESE & SONS INC	XBPZ58	NJ	10295	258799	10	Passaic City - 1607, PASSAIC, NJ	3.5100
2040096	14:37:45	28907	WASTE INDUSTRIES	XE158E	NJ	12613	NULL	10	Livingston Township - 0710, ESSEX, NJ	17.0600
2040097	14:38:47	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714, ESSEX, NJ	1.8400
2040098	14:40:02	28907	WASTE INDUSTRIES	XD629R	NJ	12618	NULL	10	Livingston Township - 0710, ESSEX, NJ	18.0500
2040099	14:41:04	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	NULL	10	Irvington Township - 0709, ESSEX, NJ	11.1800
2040100	14:42:20	3660	GAETA RECYCLING	XEXN55	NJ	10417	25633	10	Montclair Township - 0713, ESSEX, NJ	6.5800
2040102	14:50:39	28907	WASTE INDUSTRIES	XR562W	NJ	17286	NULL	10	Livingston Township - 0710, ESSEX, NJ	15.5900
2040104	14:54:36	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	10.9700
2040106	14:58:05	17273	WASTE MGT OF NEW JERSEY	AN536T	NJ	9439	212389	10	Fairfield Borough - 0707, ESSEX, NJ	4.6900
2040107	15:01:31	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	NULL	10	Belleville Township - 0701, ESSEX, NJ	9.8400
2040108	15:02:29	6759	SUBURBAN DISPOSAL CORP	XELF77	NJ	892	NULL	10	Fairfield Borough - 0707, ESSEX, NJ	14.8400
2040109	15:04:48	28907	WASTE INDUSTRIES	XR605W	NJ	12629	NULL	10	Verona Borough - 0720, ESSEX, NJ	13.8200
2040110	15:07:12	28907	WASTE INDUSTRIES	XH507D	NJ	265	NULL	10	Livingston Township - 0710, ESSEX, NJ	14.4000
2040111	15:08:01	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	801	NULL	10	Belleville Township - 0701, ESSEX, NJ	16.1100
2040112	15:10:13	9330	CALI CARTING	XW449Z	NJ	6264	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	7.8000
2040113	15:14:16	6759	SUBURBAN DISPOSAL CORP	XAAX62	NJ	781	NULL	10	Irvington Township - 0709, ESSEX, NJ	7.4600

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 18-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2040114	15:15:40	4152	NEWARK SANITATION	13637MG	NJ	4152	NULL	10	Newark City - 0714 ESSEX, NJ	4.5400
2040115	15:15:46	36344	COMMERCIAL DISTRICT SERVICES LLC	XUJ713U	NJ	12853	12853	10	Newark City - 0714 ESSEX, NJ	0.4700
2040116	15:17:44	7847	GIORDANO TRUCKING	XBKA72	NJ	3082	NULL	10	Milburn Township - 0712, ESSEX, NJ	18.2900
2040117	15:23:15	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218088	10	Livingston Township - 0710, ESSEX, NJ	3.4000
2040120	16:17:35	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY65	NJ	6787	NULL	10	Newark City - 0714, ESSEX, NJ	12.8500
2040121	16:31:26	3660	GAETA RECYCLING	XS228W	NJ	10428	NULL	10	Franklin Lakes - 0220, BERGEN, NJ	12.1200
2040122	16:52:25	20947	NYC DOS	AZ6611	NY	605600	NULL	10	MN01, NEW YORK, NY	13.8300
2040123	17:16:13	32797	INTER-REGIONAL DISPOSAL	AS585K	NJ	10962	25836	10	New York - 3000, NEW YORK, NY	7.5800
2040124	17:18:34	20947	NYC DOS	AU7861	NY	604211	NULL	10	MN04, NEW YORK, NY	7.3900
2040125	17:19:04	20947	NYC DOS	AU8458	NY	605459	NULL	10	MN03, NEW YORK, NY	10.5500
2040126	17:25:31	20947	NYC DOS	AU8264	NY	20947	NULL	10	MN02, NEW YORK, NY	4.9400
2040127	17:26:46	20947	NYC DOS	AU7172	NY	7468	NULL	10	MN07, NEW YORK, NY	9.2600
2040128	17:27:50	20947	NYC DOS	AZ7898	NY	605652	NULL	10	MN01, NEW YORK, NY	12.2400
2040129	17:29:49	20947	NYC DOS	AW6940	NY	9776	NULL	10	MN01, NEW YORK, NY	4.9400
2040130	17:31:25	20947	NYC DOS	AU7020	NY	605296	NULL	10	MN07, NEW YORK, NY	13.4600
2040131	17:33:01	20947	NYC DOS	AU7904	NY	603743	NULL	10	MN04, NEW YORK, NY	10.5500
2040132	17:37:44	20947	NYC DOS	AU7958	NY	603789	NULL	10	MN07, NEW YORK, NY	10.2600
2040133	17:38:11	20947	NYC DOS	AU7963	NY	603752	NULL	10	MN07, NEW YORK, NY	12.4000
2040134	17:48:28	17273	COAST TO COAST	ZJR3067	NJ	9149	NULL	27	International - 9900, NEW YORK, NY	1.2200
2040135	18:00:20	20947	NYC DOS	AU7831	NY	603745	NULL	10	MN03, NEW YORK, NY	10.3600
2040136	18:04:48	20947	NYC DOS	R27914	NY	7937	NULL	10	MN12, NEW YORK, NY	8.8600
2040137	18:06:37	20947	NYC DOS	AU8435	NY	605451	NULL	10	MN12, NEW YORK, NY	10.3700
2040138	18:11:34	20947	NYC DOS	AW5079	NY	604059	NULL	10	MN08, NEW YORK, NY	9.5500
2040139	18:22:16	20947	NYC DOS	AD5277	NY	604269	NULL	10	MN10, NEW YORK, NY	11.0900
2040140	18:45:20	20947	NYC DOS	AU7928	NY	603778	NULL	10	MN03, NEW YORK, NY	12.3800
2040141	19:05:00	20947	NYC DOS	AD5143	NY	603603	NULL	10	MN01, NEW YORK, NY	12.3100
2040142	19:08:07	20947	NYC DOS	AD5826	NY	604270	NULL	10	MN02, NEW YORK, NY	10.4500
2040143	19:17:36	17273	WASTE MANAGEMENT	AU420B	NJ	9450	246426	27	International - 9900, NEW YORK, NY	10.8400
2040144	19:23:38	20947	NYC DOS	AE1156	NY	604152	NULL	10	MN04, NEW YORK, NY	11.7700
2040145	19:26:17	20947	NYC DOS	AD5380	NY	9203	NULL	10	MN01, NEW YORK, NY	8.8900
2040146	19:28:46	20947	NYC DOS	AU8025	NY	7663	NULL	10	MN10, NEW YORK, NY	8.4500
2040147	19:35:05	20947	NYC DOS	AZ9638	NY	605729	NULL	10	MN03, NEW YORK, NY	12.5300
2040148	19:36:11	20947	NYC DOS	AE1193	NY	9450	NULL	10	MN08, NEW YORK, NY	9.5300
2040149	19:41:07	20947	NYC DOS	AU8217	NY	604893	NULL	10	MN07, NEW YORK, NY	11.5000
2040150	19:49:23	20947	NYC DOS	AD5261	NY	603608	NULL	10	MN07, NEW YORK, NY	11.5400
2040151	19:57:57	20947	NYC DOS	AZ5181	NY	20947	NULL	10	MN07, NEW YORK, NY	9.7900
2040152	20:00:37	20947	NYC DOS	AW4868	NY	604057	NULL	10	MN09, NEW YORK, NY	6.4700
2040153	20:05:03	20947	NYC DOS	AZ1578	NY	605623	NULL	10	MN07, NEW YORK, NY	11.4500
2040154	20:05:57	20947	NYC DOS	AZ1577	NY	20947	NULL	10	MN07, NEW YORK, NY	12.3500
2040155	20:11:19	20947	NYC DOS	BB5160	NY	606178	NULL	10	MN02, NEW YORK, NY	11.3900
2040156	20:13:07	20947	NYC DOS	AW4960	NY	604075	NULL	10	MN02, NEW YORK, NY	11.4800
2040157	20:14:54	20947	NYC DOS	AZ3426	NY	20947	NULL	10	MN03, NEW YORK, NY	10.7200
2040158	20:18:44	20947	NYC DOS	R48491	NY	9082	NULL	10	MN10, NEW YORK, NY	10.6700
2040159	20:20:18	20947	NYC DOS	BB4767	NY	606187	NULL	10	MN10, NEW YORK, NY	10.1600
2040160	20:23:23	20947	NYC DOS	AU7840	NY	603627	NULL	10	MN03, NEW YORK, NY	11.4300
2040161	20:25:02	20947	NYC DOS	AU7951	NY	604097	NULL	10	MN07, NEW YORK, NY	11.2700
2040162	20:26:51	20947	NYC DOS	AU7342	NY	603639	NULL	10	MN07, NEW YORK, NY	12.0600

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 18-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality County State)	Tons
2040163	20:33:51	32797	INTER-REGIONAL DISPOSAL	AT413K	NJ	10958	258385	10	New York - 3000 NEW YORK, NY	4.3000
2040164	20:34:41	20947	NYC DOS	AZ4137	NY	605467	NULL	10	MN03, NEW YORK, NY	11.7400
2040165	20:38:02	20947	NYC DOS	AD5704	NY	604252	NULL	10	MN07, NEW YORK, NY	10.7700
2040166	20:41:50	20947	NYC DOS	AD5601	NY	8837	NULL	10	MN02, NEW YORK, NY	13.5300
2040167	20:43:56	20947	NYC DOS	AZ4103	NY	605469	NULL	10	MN12, NEW YORK, NY	14.4300
2040168	20:47:08	20947	NYC DOS	AU8098	NY	603777	NULL	10	MN12, NEW YORK, NY	10.8400
2040169	20:49:30	20947	NYC DOS	AU8467	NY	605897	NULL	10	MN10, NEW YORK, NY	9.4100
2040170	20:50:26	20947	NYC DOS	AD5537	NY	604170	NULL	10	MN12, NEW YORK, NY	8.8800
2040171	20:53:49	20947	NYC DOS	AW4262	NY	604079	NULL	10	MN03, NEW YORK, NY	10.5600
2040172	20:55:58	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714 ESSEX, NJ	1.5100
2040173	21:00:01	20947	NYC DOS	AZ4316	NY	605466	NULL	10	MN02, NEW YORK, NY	11.2600
2040174	21:06:55	4152	NEWARK SANITATION	MG-64609	NJ	1739	NULL	10	Newark City - 0714 ESSEX, NJ	2.5200
2040175	21:12:43	20947	NYC DOS	AU7961	NY	603755	NULL	10	MN07, NEW YORK, NY	10.5000
2040176	21:16:36	20947	NYC DOS	AZ4035	NY	605397	NULL	10	MN12, NEW YORK, NY	11.1300
2040177	21:18:11	20947	NYC DOS	AU7800	NY	603684	NULL	10	MN02, NEW YORK, NY	7.9500
2040178	21:19:24	20947	NYC DOS	AU7810	NY	603664	NULL	10	MN02, NEW YORK, NY	10.8300
2040179	21:25:53	20947	NYC DOS	BB5420	NY	20947	NULL	10	MN10, NEW YORK, NY	10.9300
2040180	21:27:34	20947	NYC DOS	AZ8761	NY	605747	NULL	10	MN12, NEW YORK, NY	10.2000
2040181	21:28:55	20947	NYC DOS	AZ8667	NY	605738	NULL	10	MN07, NEW YORK, NY	11.5800
2040182	21:33:30	20947	NYC DOS	AW9222	NY	605905	NULL	10	MN10, NEW YORK, NY	11.7700
2040183	21:36:02	20947	NYC DOS	AU8498	NY	605906	NULL	10	MN12, NEW YORK, NY	11.1600
2040184	21:37:14	20947	NYC DOS	AU7807	NY	603727	NULL	10	MN12, NEW YORK, NY	1.4500
2040185	21:45:25	20947	NYC DOS	AZ1849	NY	603443	NULL	10	MN07, NEW YORK, NY	10.7000
2040186	22:26:19	1154	M&M SANITATION	AR603G	NJ	98	NULL	10	New York - 3000, NEW YORK, NY	7.8600
2040187	22:32:12	1154	M&M SANITATION	AP437X	NJ	101	NULL	10	New York - 3000, NEW YORK, NY	9.3100
2040188	23:01:48	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Elmwood Park - 0213, BERGEN, NJ	14.4100
2040189	23:50:56	2931	T. FARESE & SONS INC	XBP259	NJ	10296	273484	10	Maywood Boro - 0234, BERGEN, NJ	9.7700
Total Tons Received									4,205.1900	

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13

FACILITY NAME: COVANTA ESSEX

DATE: 19-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2040190	00:00:49	20947	NYC DOS	AW5078	NY	9624	703250	10	MN03, NEW YORK, NY	7.9700
2040191	00:01:57	20947	NYC DOS	AU9919	NY	604159	704643	10	MN10, NEW YORK, NY	8.0100
2040192	00:04:57	20947	NYC DOS	AU8013	NY	8512	NULL	10	MN10, NEW YORK, NY	14.3700
2040193	00:05:54	20947	NYC DOS	AW5636	NY	604053	704625	10	MN10, NEW YORK, NY	6.8100
2040194	00:08:15	20947	NYC DOS	AZ9554	NY	605742	NULL	10	MN10, NEW YORK, NY	11.3900
2040195	00:08:35	20947	NYC DOS	AW5077	NY	604050	703188	10	MN10, NEW YORK, NY	6.5400
2040196	00:11:13	20947	NYC DOS	AZ9289	NY	605754	703122	10	MN10, NEW YORK, NY	8.2500
2040197	00:12:01	20947	NYC DOS	BA1129	NY	605753	703164	10	MN10, NEW YORK, NY	3.6100
2040198	00:14:22	20947	NYC DOS	AW4752	NY	604072	NULL	10	MN04, NEW YORK, NY	4.9000
2040199	00:14:52	20947	NYC DOS	AZ8766	NY	605744	NULL	10	MN03, NEW YORK, NY	9.7900
2040200	00:17:44	20947	NYC DOS	AZ4023	NY	605379	NULL	10	MN07, NEW YORK, NY	13.1200
2040201	00:18:13	20947	NYC DOS	BB6918	NY	606248	NULL	10	MN07, NEW YORK, NY	10.6100
2040202	00:20:23	20947	NYC DOS	BB2675	NY	606269	NULL	10	MN10, NEW YORK, NY	8.3200
2040203	00:21:19	20947	NYC DOS	BA1534	NY	605734	NULL	10	MN07, NEW YORK, NY	11.1200
2040204	00:24:36	20947	NYC DOS	AZ9294	NY	20947	703263	10	MN03, NEW YORK, NY	7.1300
2040205	00:25:26	20947	NYC DOS	AZ1846	NY	605441	NULL	10	MN07, NEW YORK, NY	10.6500
2040206	00:26:31	20947	NYC DOS	AU7868	NY	604331	NULL	10	MN04, NEW YORK, NY	5.7300
2040207	00:27:18	20947	NYC DOS	AU7805	NY	603762	NULL	10	MN02, NEW YORK, NY	7.3300
2040208	00:34:29	20947	NYC DOS	AU8099	NY	603775	NULL	10	MN12, NEW YORK, NY	11.7500
2040209	00:35:00	20947	NYC DOS	AU9738	NY	604160	703229	10	MN03, NEW YORK, NY	9.8100
2040210	00:37:31	20947	NYC DOS	AW4211	NY	604081	NULL	10	MN12, NEW YORK, NY	12.2700
2040211	00:48:47	6759	SUBURBAN DISPOSAL CORP	AP175E	NJ	777	NULL	10	Irvington Township - 0709, ESSEX, NJ	15.6400
2040212	00:50:23	20947	NYC DOS	AU7964	NY	603746	NULL	10	MN03, NEW YORK, NY	10.9900
2040213	01:00:17	20947	NYC DOS	AD5502	NY	604193	704600	10	MN03, NEW YORK, NY	7.2300
2040214	01:02:37	20947	NYC DOS	AZ4137	NY	608524	NULL	10	MN12, NEW YORK, NY	10.7600
2040215	01:07:30	20947	NYC DOS	AZ24136	NY	605522	NULL	10	MN12, NEW YORK, NY	12.2000
2040216	01:14:45	20947	NYC DOS	AU8094	NY	603768	NULL	10	MN12, NEW YORK, NY	12.7300
2040217	01:26:43	20947	NYC DOS	AU7895	NY	5136	NULL	10	MN01, NEW YORK, NY	7.1200
2040218	01:30:14	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Hackensack City - 0223, BERGEN, NJ	14.0200
2040219	01:30:52	20947	NYC DOS	BA1486	NY	605751	703084	10	MN03, NEW YORK, NY	6.7900
2040220	01:31:54	20947	NYC DOS	AW5636	NY	604053	703208	10	MN10, NEW YORK, NY	6.6100
2040221	01:39:17	20947	NYC DOS	AW5078	NY	9624	703246	10	MN03, NEW YORK, NY	8.7900
2040222	01:41:39	20947	NYC DOS	AW5077	NY	604050	703189	10	MN10, NEW YORK, NY	6.8600
2040223	01:43:27	20947	NYC DOS	AU8035	NY	603636	NULL	10	MN12, NEW YORK, NY	10.3700
2040224	01:48:04	20947	NYC DOS	AZ9289	NY	605754	703119	10	MN10, NEW YORK, NY	5.7400
2040225	01:54:41	20947	NYC DOS	BA1129	NY	605753	703136	10	MN10, NEW YORK, NY	9.8400
2040226	01:57:41	20947	NYC DOS	AD5424	NY	603643	NULL	10	MN12, NEW YORK, NY	11.1200
2040227	02:10:32	20947	NYC DOS	AU8506	NY	605903	NULL	10	MN12, NEW YORK, NY	11.1600
2040228	02:11:46	20947	NYC DOS	AU9738	NY	604160	704655	10	MN03, NEW YORK, NY	6.9600
2040229	02:14:16	20947	NYC DOS	AZ9294	NY	20947	703288	10	MN03, NEW YORK, NY	9.8300
2040230	02:20:01	20947	NYC DOS	AU7966	NY	603649	NULL	10	MN07, NEW YORK, NY	5.6200
2040231	02:27:09	7847	GIORDANO COMPANY	XCLH69	NJ	3175	NULL	10	Newark City - 0714, ESSEX, NJ	1.3300
2040232	02:28:44	20947	NYC DOS	AW4205	NY	604082	NULL	10	MN02, NEW YORK, NY	8.7100
2040233	02:34:36	20947	NYC DOS	AW5279	NY	604052	NULL	10	MN02, NEW YORK, NY	7.8000
2040234	02:41:46	20947	NYC DOS	AU7951	NY	604097	NULL	10	MN07, NEW YORK, NY	10.7100
2040235	02:44:43	20947	NYC DOS	AU7936	NY	603623	NULL	10	MN04, NEW YORK, NY	3.1000
2040236	02:45:56	20947	NYC DOS	AU80333	NY	603669	NULL	10	MN10, NEW YORK, NY	4.3600
2040237	02:47:03	20947	NYC DOS	AZ3426	NY	20947	NULL	10	MN03, NEW YORK, NY	8.7100
2040238	02:51:48	2931	T. FARESE & SONS INC	XGGW10	NJ	2931	300592	10	East Rutherford Borough - 0211, BERGEN, NJ	11.0000

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 19-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2040239	02:52:05	20947	NYC DOS	AD5537	NY	604170	NULL	10	MN12, NEW YORK, NY	7.3100
2040240	03:03:01	20947	NYC DOS	AU7950	NY	604111	NULL	10	MN07, NEW YORK, NY	8.2600
2040241	03:05:58	17273	WASTE MANAGEMENT	AU222K	NJ	9925	246483	27	International - 9900, NEW YORK, NY	12.3300
2040242	03:09:48	2931	T. FARESE & SONS INC	XBP259	NJ	10296	241118	10	LODI - 0231, BERGEN, NJ	5.4000
2040243	03:10:37	18571	INTERSTATE WASTE SERVICES	AS279J	NY	26249	NULL	10	Fairfield Borough - 0707, ESSEX, NJ	4.0900
2040244	03:12:07	20947	NYC DOS	AD5502	NY	604193	703266	10	MN03, NEW YORK, NY	6.8500
2040245	03:17:16	20947	NYC DOS	AZ4137	NY	605467	NULL	10	MN03, NEW YORK, NY	10.4500
2040246	03:19:27	18571	INTERSTATE WASTE SERVICES	AS976G	NY	489	NULL	10	Orange, City Of - 0717, ESSEX, NJ	13.0900
2040247	03:23:18	20947	NYC DOS	AU7029	NY	603687	NULL	10	MN12, NEW YORK, NY	9.3700
2040248	03:27:14	32797	INTER-REGIONAL DISPOSAL	AU599L	NJ	10967	NULL	10	New York - 3000, NEW YORK, NY	15.1600
2040249	03:30:29	20947	NYC DOS	AU7831	NY	603745	NULL	10	MN04, NEW YORK, NY	13.6100
2040250	03:35:14	20947	NYC DOS	AU9919	NY	604159	703195	10	MN10, NEW YORK, NY	5.8400
2040251	03:36:08	20947	NYC DOS	AZ4035	NY	605397	NULL	10	MN12, NEW YORK, NY	7.4400
2040252	03:37:26	20947	NYC DOS	AW5077	NY	604050	704591	10	MN10, NEW YORK, NY	7.0100
2040253	03:40:07	20947	NYC DOS	AU7928	NY	603778	NULL	10	MN10, NEW YORK, NY	9.6800
2040254	03:40:34	20947	NYC DOS	AW6145	NY	604307	NULL	10	MN12, NEW YORK, NY	7.5600
2040255	03:44:22	20947	NYC DOS	AW5636	NY	604053	703209	10	MN10, NEW YORK, NY	6.8500
2040256	03:45:18	20947	NYC DOS	AU8519	NY	605904	NULL	10	MN12, NEW YORK, NY	9.7100
2040257	03:49:57	8262	F. BASSO JR. RUBBISH REMOVAL	XGJ514	NJ	6085	NULL	10	Cedar Grove - 0704, ESSEX, NJ	5.0400
2040258	03:50:17	20947	NYC DOS	BA1129	NY	605753	703165	10	MN10, NEW YORK, NY	6.9300
2040259	03:53:18	20947	NYC DOS	AZ9638	NY	605729	NULL	10	MN04, NEW YORK, NY	10.2100
2040260	03:54:59	2884	LOUIS T. ROSELLE, INC. -	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	7.9500
2040261	03:57:59	32797	INTER-REGIONAL DISPOSAL	AT740C	NJ	10961	NULL	10	New York - 3000, NEW YORK, NY	10.6800
2040262	04:00:23	20947	NYC DOS	AU7873	NY	603620	NULL	10	MN03, NEW YORK, NY	7.8700
2040263	04:02:14	2884	LOUIS T. ROSELLE, INC. -	XHGN95	NJ	26698	278137	10	Cedar Grove - 0704, ESSEX, NJ	3.7700
2040264	04:03:11	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	NULL	10	East Orange City - 0705, ESSEX, NJ	12.4700
2040265	04:04:56	20947	NYC DOS	AU7963	NY	603752	NULL	10	MN07, NEW YORK, NY	10.1700
2040266	04:05:33	1154	M&M SANITATION	AP705K	NJ	1124	NULL	10	New York - 3000, NEW YORK, NY	11.4700
2040267	04:10:07	20947	NYC DOS	AU7857	NY	604244	NULL	10	MN04, NEW YORK, NY	8.3300
2040268	04:10:36	6759	SUBURBAN DISPOSAL CORP	XCVR36	NJ	822	NULL	10	Belleville Township - 0701, ESSEX, NJ	10.9800
2040269	04:12:15	2931	T. FARESE & SONS INC	XGNK79	NJ	24872	NULL	10	Newark City - 0714, ESSEX, NJ	1.0900
2040270	04:16:26	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Totowa Boro - 1612, PASSAIC, NJ	14.9300
2040271	04:18:11	2931	T. FARESE & SONS INC	XBP259	NJ	10296	258885	10	Newark City - 0714, ESSEX, NJ	4.3900
2040272	04:22:27	17273	WASTE MANAGEMENT	AS393P	NJ	9740	245502	27	International - 9900, NEW YORK, NY	6.4800
2040273	04:27:20	2931	T. FARESE & SONS INC	XFNG30	NJ	18482	268251	10	Clifton City - 1602, PASSAIC, NJ	4.4300
2040274	04:31:31	20947	NYC DOS	AW4226	NY	604080	NULL	10	MN02, NEW YORK, NY	8.7000
2040275	04:32:16	20947	NYC DOS	AU8443	NY	605899	NULL	10	MN12, NEW YORK, NY	9.1500
2040276	04:33:14	20947	NYC DOS	AW5079	NY	604059	NULL	10	MN12, NEW YORK, NY	7.9900
2040277	04:34:10	6759	SUBURBAN DISPOSAL CORP	AP175E	NJ	778	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	9.6500
2040278	04:51:31	17273	WASTE MGT OF NEW JERSEY	AN608N	NJ	9270	NULL	10	Maplewood Township - 0711, ESSEX, NJ	7.3500
2040279	04:52:15	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	11.4100
2040280	04:58:56	2931	T. FARESE & SONS INC	XBP259	NJ	10296	258886	10	Newark City - 0714, ESSEX, NJ	3.3900
2040281	04:59:11	20947	NYC DOS	AZ4036	NY	605446	NULL	10	MN12, NEW YORK, NY	11.5900
2040282	05:01:51	2884	LOUIS T. ROSELLE, INC. -	XAVA69	NJ	874A	204996	10	Short Hills, ESSEX, NJ	3.2100
2040283	05:07:57	20947	NYC DOS	AD5502	NY	604193	703268	10	MN03, NEW YORK, NY	11.2100
2040284	05:10:19	26174	ADVANCED CONTAINER SERVICE	XBHG90	NJ	10188	240228	10	Paramus Borough - 0246, BERGEN, NJ	5.9200
2040285	05:11:26	28907	WASTE INDUSTRIES	XR563W	NJ	12627	NULL	10	Verona Borough - 0720, ESSEX, NJ	14.5500
2040286	05:14:44	6759	SUBURBAN DISPOSAL CORP	XU447Z	NJ	838	NULL	10	East Orange City - 0705, ESSEX, NJ	17.2900
2040287	05:15:40	8262	BASSO/LITTLE FALLS	X81A17	NJ	6776	NULL	10	Little Falls - 1605, PASSAIC, NJ	14.0900

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7.26-2.13**

FACILITY NAME: **COVANTA ESSEX**

DATE: **19-Jun-2019**

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2040288	05:16:45	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	18.3500
2040289	05:26:51	2931	T. FARESE & SONS INC	XFAD18	NJ	10240	241225	10	Passaic City - 1607, PASSAIC, NJ	0.5200
2040290	05:27:34	3660	GAETA RECYCLING	XFEM31	NJ	18712	NULL	10	Franklin Lakes - 0220, BERGEN, NJ	14.4700
2040291	05:28:45	2884	LOUIS T. ROSELLE, INC -	XAVX70	NJ	875	258143	10	Irvington Township - 0709, ESSEX, NJ	5.4400
2040292	05:29:15	3660	GAETA RECYCLING	XZ531F	NJ	10448	NULL	10	Wyckoff Twp - 0270, BERGEN, NJ	12.0500
2040293	05:31:53	2931	T. FARESE & SONS INC	XZ414D	NJ	10284	NULL	10	Essex Fells Borough - 0706, ESSEX, NJ	6.6200
2040294	05:32:31	7847	GIORDANO COMPANY	XFAJ29	NJ	3074	210682	10	East Orange City - 0705, ESSEX, NJ	3.4400
2040296	05:37:21	9330	CALI CARTING	XDLW76	NJ	0286	NULL	10	Caldwell Borough - 0703, ESSEX, NJ	8.5000
2040297	05:39:29	17273	WASTE MANAGEMENT	AU222K	NJ	9925	246426	27	International - 9900, NEW YORK, NY	5.4700
2040299	05:44:48	3660	GAETA RECYCLING	AG730XN45H	NJ	10422	NULL	10	Wyckoff Twp - 0270, BERGEN, NJ	12.6800
2040300	05:45:22	8262	F. BASSO JR. RUBBISH REMOVAL	XGJR56	NJ	6803	NULL	10	North Caldwell Township - 0715, ESSEX, NJ	13.6800
2040301	05:48:06	2884	LOUIS T. ROSELLE, INC. -	XDBV13	NJ	878	NULL	10	Livingston Township - 0710, ESSEX, NJ	1.4300
2040303	05:58:10	2931	T. FARESE & SONS INC	XV877Z	NJ	10301	NULL	10	Passaic City - 1607, PASSAIC, NJ	9.9100
2040305	06:00:56	6759	SUBURBAN DISPOSAL CORP	XS174K	NJ	894	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	12.3700
2040306	06:01:25	17273	WASTE MGT OF NEW JERSEY	AS867P	NJ	9745	NULL	10	Maplewood Township - 0711, ESSEX, NJ	6.9200
2040307	06:04:52	18571	INTERSTATE WASTE SERVICES	AS278R	NY	389	218308	10	Livingston Township - 0710, ESSEX, NJ	4.0200
2040309	06:09:47	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	240984	10	Clifton City - 1602, PASSAIC, NJ	0.9900
2040310	06:11:46	18571	INTERSTATE WASTE	AU547P	NJ	25465	NULL	10	Passaic City - 1607, PASSAIC, NJ	13.2500
2040311	06:15:21	2884	LOUIS T. ROSELLE, INC. -	XCXB78	NJ	760	NULL	10	West Orange Township - 0722, ESSEX, NJ	16.1300
2040312	06:16:08	18571	INTERSTATE WASTE	AU621J	NJ	24348	217026	27	International - 9900, NEW YORK, NY	9.6900
2040313	06:19:24	9330	CALI CARTING	XY134H	NJ	6262	NULL	10	Caldwell Borough - 0703, ESSEX, NJ	17.7800
2040314	06:20:33	4500	JOSEPH SMENTKOWSKI	XEJN37	NJ	14794	NULL	10	Roseland Borough - 0718, ESSEX, NJ	12.4300
2040315	06:22:25	32797	INTER-REGIONAL DISPOSAL	AU636X	NJ	10963	NULL	10	New York - 3000, NEW YORK, NY	17.9900
2040318	06:31:15	2931	T. FARESE & SONS INC	XBPZ59	NJ	10296	266155	10	Carlstadt Borough - 0205, BERGEN, NJ	0.9100
2040319	06:31:50	2931	T. FARESE & SONS INC	XATB21	NJ	10256	240931	10	Clifton City - 1602, PASSAIC, NJ	1.3300
2040320	06:37:08	32797	INTER-REGIONAL DISPOSAL	AT616M	NJ	10945	NULL	10	New York - 3000, NEW YORK, NY	16.8200
2040321	06:40:31	26174	ADVANCED CONTAINER SERVICE	XBHG90	NJ	10188	240333	10	Paramus Borough - 0246, BERGEN, NJ	13.4500
2040323	06:47:56	1154	M&M SANITATION	AU134G	NJ	107	NULL	10	New York - 3000, NEW YORK, NY	8.9600
2040324	06:49:19	2931	T. FARESE & SONS INC	XBEE36	NJ	10298	NULL	10	Passaic City - 1607, PASSAIC, NJ	3.5000
2040325	06:57:46	20947	NYC DOS	AW5078	NY	9624	703233	10	MN03, NEW YORK, NY	5.8400
2040326	06:57:56	6759	SUBURBAN DISPOSAL CORP	XCRV50	NJ	787	NULL	10	Irvington Township - 0709, ESSEX, NJ	11.0900
2040328	07:03:41	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	258852	10	Newark City - 0714, ESSEX, NJ	4.7600
2040329	07:11:14	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	NULL	10	Livingston Township - 0710, ESSEX, NJ	15.6500
2040330	07:11:54	18571	INTERSTATE WASTE SERVICES	AU695T	NY	26129	NULL	10	Orange, City Of - 0717, ESSEX, NJ	16.0300
2040331	07:15:02	32797	INTER-REGIONAL DISPOSAL	AU637X	NJ	10964	NULL	10	New York - 3000, NEW YORK, NY	16.1200
2040332	07:17:56	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	WOODLAND PARK, PASSAIC, NJ	15.4500
2040333	07:19:41	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218441	10	Newark City - 0714, ESSEX, NJ	5.2900
2040334	07:25:48	2931	T. FARESE & SONS INC	XEJA93	NJ	10254	232779	10	Clifton City - 1602, PASSAIC, NJ	0.6100
2040338	07:50:33	32797	INTER-REGIONAL DISPOSAL	AS225L	NJ	10949	NULL	10	New York - 3000, NEW YORK, NY	15.9500
2040339	07:52:14	3660	GAETA RECYCLING	XHGZ99	NJ	26438	256673	27	International - 9900, NEW YORK, NY	0.2100
2040340	07:53:11	20947	NYC DOS	BA1129	NY	605753	7034669	10	MN10, NEW YORK, NY	6.8900
2040341	07:54:14	2884	LOUIS T. ROSELLE, INC. -	XDBV13	NJ	878	204615	10	Livingston Township - 0710, ESSEX, NJ	3.9100
2040342	07:55:38	18571	INTERSTATE WASTE SERVICES	AT890W	NY	17007	NULL	10	Newark City - 0714, ESSEX, NJ	13.3800
2040343	07:58:02	32797	INTER-REGIONAL DISPOSAL	AU600L	NJ	10966	NULL	10	New York - 3000, NEW YORK, NY	17.8600
2040344	08:07:58	2884	LOUIS T. ROSELLE, INC. -	X2438D	NJ	861	268929	10	Maplewood Township - 0711, ESSEX, NJ	12.4600
2040345	08:08:50	2884	LOUIS T. ROSELLE, INC. -	X2438D	NJ	861	268929	10	Livingston Township - 0710, ESSEX, NJ	12.4600
2040346	08:10:58	9330	CALI CARTING	XDYL17	NJ	6271	NULL	10	Newark City - 0714, ESSEX, NJ	12.4700
2040347	08:13:45	20947	NYC DOS	AU7867	NY	603800	NULL	10	MN04, NEW YORK, NY	14.4000
2040348	08:14:27	3660	GAETA RECYCLING	AN651P	NJ	10910	256766	10	Fairfield Borough - 0707, ESSEX, NJ	4.0100

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 19-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2040349	08:17:07	18571	INTERSTATE WASTE	AU621J	NJ	24348	218704	27	International - 9900, NEW YORK, NY	0.3600
2040350	08:17:53	2931	T. FARESE & SONS INC	XBP259	NJ	10296	275857	10	Rutherford Borough - 0256, BERGEN, NJ	4.0900
2040351	08:23:31	09369	GARY GRAY	AT920A	NJ	1004	204851	27	Hackettstown Town - 2108, WARREN, NJ	1.6900
2040352	08:30:26	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	NULL	10	Irvington Township - 0709, ESSEX, NJ	20.0600
2040353	08:33:39	20947	NYC DOS	AU9919	NY	604159	703154	10	MN10, NEW YORK, NY	8.7300
2040354	08:33:59	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	2588536	10	Newark City - 0714, ESSEX, NJ	2.5100
2040355	08:35:13	32797	INTER-REGIONAL DISPOSAL	AT4449	NJ	10944	NULL	10	New York - 3000, NEW YORK, NY	14.3200
2040356	08:37:12	20947	NYC DOS	AZ5179	NY	605520	NULL	10	MN09, NEW YORK, NY	6.8800
2040357	08:39:04	4152	NEWARK SANITATION	13640MG	NJ	9291	NULL	10	Newark City - 0714, ESSEX, NJ	6.3100
2040358	08:41:35	9330	CALI CARTING	XDCX97	NJ	6285	NULL	10	Newark City - 0714, ESSEX, NJ	13.5800
2040359	08:41:51	2931	T. FARESE & SONS INC	XBP258	NJ	10295	240952	10	Paterson City - 1608, PASSAIC, NJ	15.1300
2040360	08:48:05	5778	MONTCLAIR DEPT OF PUBLIC WORKS	MG71948	NJ	601612	NULL	10	Montclair Township - 0713, ESSEX, NJ	13.5900
2040361	08:50:59	20947	NYC DOS	AZ1804	NY	605444	NULL	10	MN04, NEW YORK, NY	6.8900
2040362	08:52:35	20947	NYC DOS	AZ9519	NY	606074	NULL	10	MN09, NEW YORK, NY	10.8400
2040363	08:58:13	20947	NYC DOS	AU8511	NY	20947	NULL	10	MN09, NEW YORK, NY	9.7500
2040365	09:00:22	20947	NYC DOS	AZ3600	NY	605528	NULL	10	MN09, NEW YORK, NY	11.3500
2040366	09:02:41	20947	NYC DOS	AU8011	NY	8404	NULL	10	MN09, NEW YORK, NY	7.4400
2040367	09:04:19	20947	NYC DOS	AZ8019	NY	605654	NULL	10	MN09, NEW YORK, NY	10.9100
2040368	09:07:25	17273	WASTE MANAGEMENT	AU224K	NJ	9927	245508	27	International - 9900, NEW YORK, NY	3.0300
2040369	09:08:42	20947	NYC DOS	AU8010	NY	7775	NULL	10	MN09, NEW YORK, NY	11.7900
2040370	09:15:01	2931	T. FARESE & SONS INC	XGGX23	NJ	24874	NULL	10	Newark City - 0714, ESSEX, NJ	1.8300
2040371	09:16:46	20947	NYC DOS	AW5078	NY	9624	704638	10	MN03, NEW YORK, NY	5.8500
2040372	09:18:30	20947	NYC DOS	BA2246	NY	605835	NULL	10	MN08, NEW YORK, NY	12.4700
2040373	09:19:45	20947	NYC DOS	AZ8018	NY	605655	NULL	10	MN09, NEW YORK, NY	11.9800
2040374	09:25:40	20947	NYC DOS	BA2300	NY	605833	NULL	10	MN04, NEW YORK, NY	9.1900
2040375	09:33:27	1154	M&M SANITATION	AS506A	NJ	1130	NULL	10	New York - 3000, NEW YORK, NY	2.5600
2040376	09:35:28	2884	LOUIS T. ROSELLE, INC.	XAVA69	NJ	874A	258081	10	Verona Borough - 0720, ESSEX, NJ	1.6700
2040377	09:35:35	4152	NEWARK SANITATION	MG24115	NJ	1736	NULL	10	Newark City - 0714, ESSEX, NJ	14.6700
2040378	09:41:24	4152	NEWARK SANITATION	MG14497	NJ	6604844	NULL	10	Newark City - 0714, ESSEX, NJ	4.3100
2040379	09:44:33	2884	LOUIS T. ROSELLE, INC.	XFUN15	NJ	920	NULL	10	Newark City - 0714, ESSEX, NJ	7.9300
2040380	09:48:03	32797	INTER-REGIONAL DISPOSAL	AT413K	NJ	10958	258188	10	New York - 3000, NEW YORK, NY	6.9700
2040381	09:49:17	20947	NYC DOS	AE1695	NY	604340	NULL	10	MN04, NEW YORK, NY	10.2500
2040382	09:50:42	4152	NEWARK SANITATION	MG-64609	NJ	1739	NULL	10	Newark City - 0714, ESSEX, NJ	1.8100
2040383	09:54:03	6759	SUBURBAN DISPOSAL CORP	XCVR46	NJ	825	NULL	10	East Orange City - 0705, ESSEX, NJ	18.0300
2040384	09:57:34	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.8800
2040385	10:00:53	20947	NYC DOS	AZ8663	NY	20947	NULL	10	MN04, NEW YORK, NY	11.4100
2040386	10:02:15	4152	NEWARK SANITATION	14499MG	NJ	604846	NULL	10	Newark City - 0714, ESSEX, NJ	2.3300
2040387	10:04:25	4152	NEWARK SANITATION	24112MG	NJ	1737	NULL	10	Newark City - 0714, ESSEX, NJ	7.8300
2040388	10:05:45	2931	T. FARESE & SONS INC	XBNW27	NJ	10233	2415014	10	Newark City - 0714, ESSEX, NJ	0.8500
2040389	10:06:24	17273	WASTE MGT OF NEW JERSEY	AS728Y	NJ	9764	NULL	10	Newark City - 0714, ESSEX, NJ	18.2800
2040390	10:08:02	6759	SUBURBAN DISPOSAL CORP	XDBV73	NJ	878	NULL	10	West Orange Township - 0722, ESSEX, NJ	2.3200
2040391	10:12:24	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	NULL	10	East Orange City - 0705, ESSEX, NJ	14.4600
2040392	10:14:02	4152	NEWARK SANITATION	MG38081	NJ	1724	NULL	10	Newark City - 0714, ESSEX, NJ	3.2400
2040393	10:17:16	20947	NYC DOS	AU8008	NY	603801	NULL	10	MN09, NEW YORK, NY	14.5000
2040394	10:21:01	1154	M&M SANITATION	AP705K	NJ	1124	NULL	10	New York - 3000, NEW YORK, NY	7.9100
2040396	10:23:22	20947	NYC DOS	BA1129	NY	605753	703105	10	MN10, NEW YORK, NY	3.5400
2040397	10:25:48	6759	SUBURBAN DISPOSAL CORP	XCKM64	NJ	804	NULL	10	East Orange City - 0705, ESSEX, NJ	18.1400
2040398	10:28:38	20947	NYC DOS	BA1977	NY	605908	NULL	10	MN04, NEW YORK, NY	8.7000
2040399	10:30:40	2931	T. FARESE & SONS INC	XHES31	NJ	26555	NULL	10	Clifton City - 1602, PASSAIC, NJ	17.2800

New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13

FACILITY NAME: COVANTA ESSEX

DATE: 19-Jun-2019

FACILITY NUMBER:

133546

Ticket No	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2040400	10:32:00	6759	SUBURBAN DISPOSAL CORP	XCTW45	NJ	866	NULL	10	West Orange Township - 0722, ESSEX, NJ	12.2000
2040401	10:33:17	5778	MONTCLAIR DEPT OF PUBLIC WORKS	MG92241	NJ	601603	NULL	10	Montclair Township - 0713, ESSEX, NJ	16.7400
2040402	10:38:41	6759	SUBURBAN DISPOSAL CORP	X36488V	NJ	783	NULL	10	Irvington Township - 0709, ESSEX, NJ	17.6200
2040404	10:40:00	2931	T. FARESE & SONS INC	X2414D	NJ	10284	NULL	10	Essex Fells Borough - 0706, ESSEX, NJ	1.9300
2040405	10:41:05	2931	T. FARESE & SONS INC	XHPW27	NJ	9009	258799	10	Clifton City - 1602, PASSAIC, NJ	4.5300
2040406	10:41:45	4152	NEWARK SANITATION	MG13641	NJ	603027	NULL	10	Newark City - 0714, ESSEX, NJ	6.5600
2040408	10:57:58	2884	LOUIS T. ROSELLE, INC.	X2438D	NJ	861	205027	10	West Orange Township - 0722, ESSEX, NJ	14.4200
2040409	11:04:20	18571	INTERSTATE WASTE SERVICES	AU234F	NY	23584	NULL	10	Newark City - 0714, ESSEX, NJ	10.4800
2040410	11:04:27	4152	NEWARK SANITATION	MG64605	NJ	1735	NULL	10	Newark City - 0714, ESSEX, NJ	2.4400
2040411	11:08:30	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Newark City - 0714, ESSEX, NJ	13.8400
2040412	11:09:19	18571	INTERSTATE WASTE SERVICES	AM217K	NY	4426	218971	10	West Caldwell Borough - 0721, ESSEX, NJ	7.4700
2040413	11:11:25	17273	WASTE MGT OF NEW JERSEY	AN603P	NJ	9278	NULL	10	Maplewood Township - 0711, ESSEX, NJ	7.5400
2040414	11:11:30	36344	COMMERCIAL DISTRICT SERVICES LLC	X2125U	NJ	12856	12856	10	Newark City - 0714, ESSEX, NJ	0.9300
2040415	11:13:36	32797	INTER-REGIONAL DISPOSAL	AU601A	NJ	10937	NULL	10	New York - 3000, NEW YORK, NY	9.1700
2040416	11:16:14	2931	T. FARESE & SONS INC	XBEE35	NJ	10297	NULL	10	Clifton City - 1602, PASSAIC, NJ	8.6600
2040417	11:16:22	2931	T. FARESE & SONS INC	XBPZ58	NJ	10295	240932	10	Passaic City - 1607, PASSAIC, NJ	11.1200
2040419	11:19:20	1154	M&M SANITATION	AR603G	NJ	98	NULL	10	Newark City - 0714, ESSEX, NJ	3.9200
2040420	11:22:04	18571	INTERSTATE WASTE SERVICES	AP327U	NY	4337	218154	10	Newark City - 0714, ESSEX, NJ	8.1600
2040421	11:26:08	6759	SUBURBAN DISPOSAL CORP	XEMT59	NJ	888	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	19.9900
2040423	11:27:44	20947	NYC DOS	AE1156	NY	604152	NULL	10	MN04, NEW YORK, NY	11.6000
2040424	11:31:02	18571	INTERSTATE WASTE SERVICES	AS278R	NY	389	218428	10	Belleville Township - 0701, ESSEX, NJ	7.0700
2040425	11:34:34	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	17.2200
2040426	11:35:03	09369	GARY GRAY	AT920A	NJ	1004	204704	27	Hackettstown Town - 2108, WARREN, NJ	1.9200
2040427	11:36:08	9330	CALI CARTING	XW449Z	NJ	6264	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	17.3600
2040429	11:42:44	3660	GAETA RECYCLING	XFXN54	NJ	10416	NULL	10	Newark City - 0714, ESSEX, NJ	13.3800
2040430	11:43:29	2986	ALLEGRO SANITATION	XFUA65	NJ	22117	NULL	10	Newark City - 0714, ESSEX, NJ	11.6100
2040431	11:47:22	2884	LOUIS T. ROSELLE, INC.	XV995W	NJ	774	275096	10	Newark City - 0714, ESSEX, NJ	1.9400
2040432	11:51:08	6759	SUBURBAN DISPOSAL CORP	AP175E	NJ	778	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	18.5000
2040434	11:55:37	4500	JOSEPH SMENTKOWSKI	XEJH35	NJ	14770	NULL	10	Orange City Of - 0717, ESSEX, NJ	15.3800
2040435	12:00:52	18571	INTERSTATE WASTE	AL711Z	NJ	4417	NULL	10	Passaic City - 1607, PASSAIC, NJ	15.3200
2040436	12:02:32	1154	M&M SANITATION	AP437X	NJ	101	NULL	10	New York - 3000, NEW YORK, NY	2.4400
2040438	12:08:38	36344	COMMERCIAL DISTRICT SERVICES LLC	XU713U	NJ	12853	12853	10	Newark City - 0714, ESSEX, NJ	0.3700
2040439	12:09:24	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.2600
2040441	12:18:13	26174	ADVANCED CONTAINER SERVICE	XBHG90	NJ	10188	240347	10	Paramus Borough - 0246, BERGEN, NJ	3.7600
2040442	12:20:12	18571	INTERSTATE WASTE	AP319U	NJ	444	NULL	10	Passaic City - 1607, PASSAIC, NJ	19.9900
2040443	12:24:36	18571	INTERSTATE WASTE	AU547P	NJ	25465	NULL	10	Passaic City - 1607, PASSAIC, NJ	18.0500
2040445	12:26:42	4152	NEWARK SANITATION	MG-76012	NJ	1726	NULL	10	Newark City - 0714, ESSEX, NJ	10.3700
2040446	12:29:11	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	NULL	10	Fairfield Borough - 0707, ESSEX, NJ	10.4700
2040447	12:34:34	32797	INTER-REGIONAL DISPOSAL	AT4449	NJ	10944	NULL	10	New York - 3000, NEW YORK, NY	6.7900
2040449	12:36:42	28907	WASTE INDUSTRIES	XE158E	NJ	12613	NULL	10	Livingston Township - 0710, ESSEX, NJ	13.4200
2040450	12:39:23	28907	WASTE INDUSTRIES	XD629R	NJ	12618	NULL	10	Livingston Township - 0710, ESSEX, NJ	13.8500
2040451	12:45:00	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218929	10	East Orange City - 0705, ESSEX, NJ	3.8900
2040453	12:49:37	7847	GIORDANO TRUCKING	XBKA72	NJ	3082	NULL	10	Milburn Township - 0712, ESSEX, NJ	13.7300
2040454	12:51:16	10734	SOUTH ORANGE DISPOSAL COMPANY	XW793S	NJ	404	NULL	10	South Orange Village - 0719, ESSEX, NJ	11.3100
2040455	12:54:15	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	NULL	10	Irvington Township - 0709, ESSEX, NJ	12.2900
2040457	12:57:59	2931	T. FARESE & SONS INC	XGNK79	NJ	24872	NULL	10	Newark City - 0714, ESSEX, NJ	1.5500
2040458	13:00:00	6759	SUBURBAN DISPOSAL CORP	XCJW47	NJ	797	NULL	10	West Orange Township - 0722, ESSEX, NJ	15.0700
2040459	13:00:51	17273	WASTE MGT OF NEW JERSEY	AS366B	NJ	9811	245977	10	Newark City - 0714, ESSEX, NJ	6.8400
2040460	13:03:37	6759	SUBURBAN DISPOSAL CORP	XBUD65	NJ	893	NULL	10	West Orange Township - 0722, ESSEX, NJ	12.4500

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N.J.A.C. 7:26-2.13**

FACILITY NAME: COVANTA ESSEX

DATE: 19-Jun-2019

FACILITY NUMBER:

133546

Ticket No.	Time	NJDEP Reg. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality, County, State)	Tons
2040461	13:04:42	28907	WASTE INDUSTRIES	XL675Y	NJ	268	NULL	10	Livingston Township - 0710, ESSEX, NJ	11.7100
2040463	13:09:31	20947	NYC DOS	AZ1843	NY	605438	NULL	10	MN04, NEW YORK, NY	12.2000
2040464	13:12:20	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218450	10	Newark City - 0714, ESSEX, NJ	3.2500
2040465	13:13:47	6759	SUBURBAN DISPOSAL CORP	XCVR32	NJ	818	NULL	10	Glen Ridge - 0708, ESSEX, NJ	13.3900
2040466	13:18:37	6759	SUBURBAN DISPOSAL CORP	XCKM64	NJ	804	NULL	10	East Orange City - 0705, ESSEX, NJ	6.4400
2040467	13:21:40	4500	JOSEPH SMENTKOWSKI	XAAU30	NJ	14759	NULL	10	Orange, City Of - 0717, ESSEX, NJ	16.9900
2040468	13:27:07	2931	T. FARESE & SONS INC	XDVJ78	NJ	10263	NULL	10	Clifton City - 1602, PASSAIC, NJ	15.7200
2040469	13:28:48	9330	CALI CARTING	XDCX97	NJ	6285	NULL	10	Newark City - 0714, ESSEX, NJ	6.4200
2040470	13:33:10	28907	WASTE INDUSTRIES	XL674Y	NJ	269	NULL	10	Livingston Township - 0710, ESSEX, NJ	15.3100
2040473	13:49:10	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4326	219447	10	West Orange Township - 0722, ESSEX, NJ	7.5200
2040474	13:50:20	18571	INTERSTATE WASTE SERVICES	AU695T	NY	26129	NULL	10	Montclair Township - 0713, ESSEX, NJ	15.5600
2040475	13:51:15	6759	SUBURBAN DISPOSAL CORP	XCVR57	NJ	853	NULL	10	West Orange Township - 0722, ESSEX, NJ	15.6000
2040476	13:52:56	9330	CALI CARTING	XDC269	NJ	6759	NULL	10	West Caldwell Borough - 0721, ESSEX, NJ	7.9600
2040479	14:25:07	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218774	10	East Orange City - 0705, ESSEX, NJ	2.8500
2040480	14:35:44	7847	GIORDANO TRUCKING	XAWX27	NJ	3083	NULL	10	Millburn Township - 0712, ESSEX, NJ	15.4400
2040481	14:42:57	36344	COMMERCIAL DISTRICT SERVICES LLC	XU713U	NJ	12853	12853	10	Newark City - 0714, ESSEX, NJ	0.2800
2040482	14:47:47	36344	COMMERCIAL DISTRICT SERVICES LLC	X2125U	NJ	12856	12856	10	Newark City - 0714, ESSEX, NJ	0.2500
2040483	14:52:46	18571	INTERSTATE WASTE SERVICES	AN908E	NY	4438	218455	10	Newark City - 0714, ESSEX, NJ	3.4500
2040484	14:53:59	32797	INTER-REGIONAL DISPOSAL	AT616M	NJ	10945	NULL	10	New York - 3000, NEW YORK, NY	9.0600
2040485	15:00:01	6759	SUBURBAN DISPOSAL CORP	XCVR43	NJ	778	NULL	10	Bloomfield Township - 0702, ESSEX, NJ	7.8700
2040486	15:10:16	18571	INTERSTATE WASTE SERVICES	AS278R	NY	389	218301	10	Livingston Township - 0710, ESSEX, NJ	7.4000
2040487	15:18:48	17273	WASTE MANAGEMENT	AS366B	PA	9811	245918	10	Newark City - 0714, ESSEX, NJ	1.4600
2040488	15:34:34	18571	INTERSTATE WASTE	AU948P	NJ	25614	NULL	10	Passaic City - 1607, PASSAIC, NJ	10.1600
2040489	15:36:10	2931	T. FARESE & SONS INC	XASX80	NJ	10288	NULL	10	Clifton City - 1602, PASSAIC, NJ	5.6000
2040490	15:38:30	18571	INTERSTATE WASTE	AP319U	NJ	444	NULL	10	Passaic City - 1607, PASSAIC, NJ	5.6900
2040491	15:40:01	18571	INTERSTATE WASTE	AU547P	NJ	25465	NULL	10	Passaic City - 1607, PASSAIC, NJ	9.2900
2040492	15:44:17	18571	INTERSTATE WASTE	AL711Z	NJ	4417	NULL	10	Passaic City - 1607, PASSAIC, NJ	10.6800
2040493	16:01:16	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218410	10	East Orange City - 0705, ESSEX, NJ	1.8500
2040494	17:21:45	20947	NYC DOS	AW4960	NY	604075	NULL	10	MN02, NEW YORK, NY	10.8400
2040495	17:32:17	20947	NYC DOS	AD5826	NY	604270	NULL	10	MN02, NEW YORK, NY	11.1600
2040496	17:43:00	20947	NYC DOS	BB4767	NY	606187	NULL	10	MN10, NEW YORK, NY	13.8100
2040497	18:05:58	20947	NYC DOS	AZ1577	NY	20947	NULL	10	MN07, NEW YORK, NY	9.3100
2040498	18:06:59	20947	NYC DOS	AU7831	NY	603745	NULL	10	MN03, NEW YORK, NY	10.7500
2040499	18:17:12	32797	INTER-REGIONAL DISPOSAL	AU601A	NJ	10937	NULL	10	New York - 3000, NEW YORK, NY	7.2000
2040500	18:57:16	20947	NYC DOS	AZ4137	NY	608524	NULL	10	MN12, NEW YORK, NY	13.4100
2040501	19:17:12	20947	NYC DOS	BB7252	NY	606247	NULL	10	MN02, NEW YORK, NY	1.1900
2040502	19:31:05	32797	INTER-REGIONAL DISPOSAL	AT826Y	NJ	10940	258385	10	New York - 3000, NEW YORK, NY	3.6800
2040503	19:33:16	17273	WASTE MANAGEMENT	AU420B	NJ	9450	246483	27	International - 9900, NEW YORK, NY	11.1800
2040504	19:34:28	20947	NYC DOS	AW4226	NY	604080	NULL	10	MN02, NEW YORK, NY	9.9200
2040505	19:45:35	20947	NYC DOS	AZ1846	NY	605441	NULL	10	MN07, NEW YORK, NY	11.5300
2040506	19:50:57	20947	NYC DOS	AZ5181	NY	20947	NULL	10	MN07, NEW YORK, NY	9.4000
2040507	19:51:52	20947	NYC DOS	AU7904	NY	603743	NULL	10	MN07, NEW YORK, NY	10.1900
2040508	19:55:02	20947	NYC DOS	BB267S	NY	606269	NULL	10	MN10, NEW YORK, NY	13.1800
2040509	19:57:16	20947	NYC DOS	AX2805	NY	603894	NULL	10	MN01, NEW YORK, NY	12.0100
2040510	20:03:04	20947	NYC DOS	AW4205	NY	604082	NULL	10	MN02, NEW YORK, NY	9.8400
2040511	20:04:05	20947	NYC DOS	AU7869	NY	603758	NULL	10	MN04, NEW YORK, NY	6.3600
2040512	20:06:31	20947	NYC DOS	BA1797	NY	605830	NULL	10	MN03, NEW YORK, NY	16.8900
2040513	20:14:25	20947	NYC DOS	AW5279	NY	604052	NULL	10	MN02, NEW YORK, NY	12.8100
2040514	20:20:47	20947	NYC DOS	BB5420	NY	20947	NULL	10	MN10, NEW YORK, NY	13.0300

**New Jersey Department of Environmental Protection
Division of Solid and Hazardous Waste
DAILY RECORD OF WASTES RECEIVED
N. J. A. C. 7-26-2.13**

FACILITY NAME: **COVANTA ESSEX**

DATE: **19-Jun-2019**

FACILITY NUMBER:

133546

Ticket No	Time	NJDEP Reg No.	Hauler	License Plate No	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Municipality County State)	Tons
2040515	20:27:08	20947	NYC DOS	AZ5551	NY	604056	NULL	10	MN09, NEW YORK, NY	8.6700
2040516	20:30:42	20947	NYC DOS	AD5260	NY	604328	NULL	10	MN04, NEW YORK, NY	8.5000
2040517	20:36:35	20947	NYC DOS	AU8458	NY	605459	NULL	10	MN03, NEW YORK, NY	13.5900
2040518	20:41:29	20947	NYC DOS	AZ8766	NY	605744	NULL	10	MN03, NEW YORK, NY	14.0200
2040519	20:42:54	20947	NYC DOS	AU7840	NY	603627	NULL	10	MN03, NEW YORK, NY	12.2100
2040520	20:49:01	20947	NYC DOS	AW4211	NY	604081	NULL	10	MN12, NEW YORK, NY	12.6100
2040521	20:50:35	20947	NYC DOS	AW4262	NY	604079	NULL	10	MN03, NEW YORK, NY	4.5700
2040522	20:54:19	20947	NYC DOS	AZ24136	NY	605522	NULL	10	MN12, NEW YORK, NY	12.5400
2040523	20:54:40	20947	NYC DOS	AZ1849	NY	603443	NULL	10	MN07, NEW YORK, NY	9.0100
2040524	20:56:00	20947	NYC DOS	BA1534	NY	605734	NULL	10	MN07, NEW YORK, NY	10.0400
2040525	21:00:42	20947	NYC DOS	AU8095	NY	603792	NULL	10	MN12, NEW YORK, NY	8.1100
2040526	21:02:00	20947	NYC DOS	AD5704	NY	604252	NULL	10	MN07, NEW YORK, NY	11.7600
2040527	21:12:01	4152	NEWARK SANITATION	MG83815	NJ	1738	NULL	10	Newark City - 0714, ESSEX, NJ	12.3900
2040528	21:12:29	20947	NYC DOS	AU8025	NY	7663	NULL	10	MN07, NEW YORK, NY	12.5100
2040529	21:15:14	4152	NEWARK SANITATION	MG24115	NJ	1736	NULL	10	Newark City - 0714, ESSEX, NJ	6.3700
2040530	21:16:56	21408	GAETA INTERIOR DEMOLITION	43844PC	NY	6199	263611	10	New York - 3000, NEW YORK, NY	6.0500
2040531	21:17:48	20947	NYC DOS	AD5143	NY	603603	NULL	10	MN01, NEW YORK, NY	15.1200
2040532	21:19:11	4152	NEWARK SANITATION	MG64605	NJ	1735	NULL	10	Newark City - 0714, ESSEX, NJ	1.0400
2040533	21:21:02	20947	NYC DOS	AWG145	NY	604307	NULL	10	MN12, NEW YORK, NY	10.3700
2040534	21:32:44	20947	NYC DOS	BA1131	NY	605735	NULL	10	MN07, NEW YORK, NY	9.0800
2040535	21:38:05	20947	NYC DOS	AU7025	NY	603776	NULL	10	MN12, NEW YORK, NY	13.2400
2040536	21:49:27	20947	NYC DOS	AZ4036	NY	605446	NULL	10	MN12, NEW YORK, NY	12.3600
2040537	21:53:42	20947	NYC DOS	AU7828	NY	603761	NULL	10	MN03, NEW YORK, NY	6.2800
2040538	22:07:11	20947	NYC DOS	AU7172	NY	7468	NULL	10	MN02, NEW YORK, NY	6.2000
2040539	22:42:01	2931	T. FARESE & SONS INC	XX875G	NJ	10282	NULL	10	Hackensack City - 0223, BERGEN, NJ	12.5500
2040540	22:43:47	17273	WASTE MGT OF NEW JERSEY	AU4208	NJ	9450	212450	10	Newark City - 0714, ESSEX, NJ	1.8600
2040541	23:24:34	32797	INTER-REGIONAL DISPOSAL	AU944G	NJ	10938	NULL	10	New York - 3000, NEW YORK, NY	9.6700
2040542	23:49:26	2931	T. FARESE & SONS INC	XBP259	NJ	10296	241501	10	LODI - 0231, BERGEN, NJ	4.5200
2040543	23:49:48	17273	WASTE MGT OF NEW JERSEY	AU4208	NJ	9450	213926	10	Newark City - 0714, ESSEX, NJ	1.3900
Total Tons Received									2,972.1000	

Inbound Waste Received at Covanta Essex Facility
 ECUA
 4001170 / NJIT - 4001170

	Date	Ticket #	Truck Decal	Origin	Tons
	6/14/2019	2038885	9300	2215	5.68
	6/17/2019	2039669	9452	2215	0.81
4001170 / NJIT - 4001170					6.49
4001171 / ALLEGRO SANITATION CORP - 4001171					
	6/14/2019	2038891	22117	2215	13.75
	6/15/2019	2039197	15629	2215	8.04
	6/17/2019	2039573	22117	2215	11.40
	6/18/2019	2039965	22117	2215	10.11
	6/19/2019	2040430	22117	2215	11.61
4001171 / ALLEGRO SANITATION CORP - 4001171					54.91
4001711 / RUTGERS UNIVERSITY - 4001711					
	6/14/2019	2038811	18482	2215	0.75
	6/14/2019	2038859	10233	2215	2.76
	6/14/2019	2038869	18482	2215	3.74
	6/14/2019	2039010	10233	2215	0.84
	6/15/2019	2039189	10233	2215	2.56
	6/17/2019	2039354	10301	2215	12.71
	6/17/2019	2039414	10240	2215	1.04
	6/17/2019	2039472	10254	2215	0.08
	6/17/2019	2039568	10233	2215	2.14
	6/19/2019	2040354	10233	2215	2.51
	6/19/2019	2040388	10233	2215	0.85
4001711 / RUTGERS UNIVERSITY - 4001711					29.98
4001712 / DEFARIA BROTHERS - 4001712					
	6/14/2019	2038796	18482	2215	4.51
	6/14/2019	2038815	10296	2215	3.50
	6/14/2019	2038827	10296	2215	3.14
	6/14/2019	2038831	10256	2119	0.53
	6/14/2019	2038847	18482	2215	5.54
	6/14/2019	2038853	26555	2215	10.35
	6/14/2019	2038856	10254	2215	5.94
	6/14/2019	2038879	10282	2215	13.71
	6/14/2019	2038983	18482	2215	4.60
	6/15/2019	2039205	10233	2215	4.90
	6/15/2019	2039247	10233	2215	3.97
	6/17/2019	2039445	10296	2215	4.59
	6/17/2019	2039466	10296	2215	3.62
	6/17/2019	2039613	10254	2215	1.38
	6/18/2019	2039868	10233	2233	3.16
	6/18/2019	2039872	10256	2119	0.25
	6/18/2019	2039899	10282	2215	8.69
	6/19/2019	2040271	10296	2215	4.39
	6/19/2019	2040280	10296	2215	3.39
	6/19/2019	2040411	10282	2215	13.84
4001712 / DEFARIA BROTHERS - 4001712					104.00
4001727 / WASTE MANAGEMENT - 4001727					
	6/14/2019	2038785	9450	2215	0.32
	6/14/2019	2038865	9710	2174	12.32
	6/14/2019	2038867	9476	9537	4.09
	6/14/2019	2038875	9798	2215	11.59
	6/14/2019	2039000	9710	2315	5.73
	6/17/2019	2039430	9710	2174	10.37
	6/17/2019	2039475	9764	2215	20.20
	6/17/2019	2039547	9710	2315	9.87
	6/17/2019	2039636	9710	2124	5.72
	6/18/2019	2039845	9318	9537	7.22
	6/18/2019	2039887	9318	9537	6.64
	6/18/2019	2039920	9710	2174	13.32
	6/18/2019	2039943	9764	2215	12.15
	6/18/2019	2040065	9710	2124	11.17

	Date	Ticket #	Truck Decal	Origin	Tons
	6/19/2019	2040329	9710	2174	15.65
	6/19/2019	2040389	9764	2215	18.28
	6/19/2019	2040446	9710	2124	10.47
	6/19/2019	2040540	9450	2215	1.86
	6/19/2019	2040543	9450	2215	1.39
4001727 / WASTE MANAGEMENT - 4001727					144.31
4001940 / ESSEX FELLS - 4001940					
	6/14/2019	2038988	10284	2123	11.43
	6/18/2019	2039886	24875	2123	6.29
	6/19/2019	2040293	10284	2123	6.62
	6/19/2019	2040404	10284	2123	1.93
4001940 / ESSEX FELLS - 4001940					14.84
4001961 / IWS -ST. BARNABAS SYSTEMS - 4001961					
	6/14/2019	2038948	389	2174	7.46
	6/15/2019	2039183	389	2174	7.63
	6/18/2019	2039843	389	2174	8.79
	6/18/2019	2040080	389	2174	6.42
	6/19/2019	2040486	389	2174	7.40
	6/20/2019	2040823	389	2174	7.20
4001961 / IWS -ST. BARNABAS SYSTEMS - 4001961					44.90
4001966 / WMNJ-ED VOC SCHOOLS - 4001966					
	6/14/2019	2038979	9300	2215	10.88
	6/17/2019	2039437	3426	2315	5.16
	6/19/2019	2040459	9811	2215	6.84
4001966 / WMNJ-ED VOC SCHOOLS - 4001966					22.88
4001967 / UMDNJ - 4001967					
	6/14/2019	2038835	10233	2215	4.48
	6/15/2019	2039178	10233	2215	4.80
	6/17/2019	2039470	10233	2215	5.63
	6/18/2019	2039916	10233	2215	4.63
	6/19/2019	2040328	10233	2215	4.76
4001967 / UMDNJ - 4001967					24.30
4002310 / INTERSTATE WASTE SERVICES / CS - 4002310					
	6/14/2019	2038798	23586	2119	12.43
	6/14/2019	2038829	23584	2215	13.62
	6/14/2019	2038849	23586	2318	12.84
	6/14/2019	2038850	23584	2215	0.62
	6/14/2019	2038860	4438	2215	5.19
	6/14/2019	2038864	4450	2070	5.76
	6/14/2019	2038874	24348	2215	9.39
	6/14/2019	2038880	4337	2215	7.52
	6/14/2019	2038905	4450	2070	1.92
	6/14/2019	2038910	4438	2158	3.08
	6/14/2019	2038929	23586	2233	11.52
	6/14/2019	2038944	23584	2215	7.88
	6/14/2019	2038951	4450	2119	1.46
	6/14/2019	2038958	17007	2215	16.45
	6/14/2019	2038970	367	2119	1.49
	6/14/2019	2038995	4450	2119	0.94
	6/14/2019	2039017	367	2119	0.80
	6/14/2019	2039028	4337	2215	7.36
	6/14/2019	2039035	4416	2124	1.30
	6/14/2019	2039048	4438	2215	3.23
	6/15/2019	2039153	489	2233	13.26
	6/15/2019	2039155	389	2215	5.23
	6/15/2019	2039160	26675	2190	3.41
	6/15/2019	2039174	23584	2215	11.82
	6/15/2019	2039181	26675	2190	3.61
	6/15/2019	2039203	23584	2215	4.56
	6/15/2019	2039211	414	2124	11.50
	6/15/2019	2039212	4337	2215	2.09
	6/17/2019	2039384	489	2233	13.27
	6/17/2019	2039392	23584	2215	12.42

Date	Ticket #	Truck	Decal	Origin	Tons
6/17/2019	2039405	26249		2089	8.73
6/17/2019	2039436	23586		2119	12.21
6/17/2019	2039461	4438		2215	6.32
6/17/2019	2039476	4337		2215	6.91
6/17/2019	2039479	512		2124	2.94
6/17/2019	2039492	4450		2070	7.15
6/17/2019	2039495	17007		2215	13.32
6/17/2019	2039511	23584		2215	11.83
6/17/2019	2039515	26676		2315	6.89
6/17/2019	2039521	476		2078	11.03
6/17/2019	2039542	23586		2197	12.87
6/17/2019	2039622	23586		2233	10.47
6/17/2019	2039663	4450		2070	2.72
6/17/2019	2039670	4438		2215	2.54
6/18/2019	2039796	23586		2233	9.53
6/18/2019	2039805	26249		2089	5.58
6/18/2019	2039813	489		2233	18.72
6/18/2019	2039818	17007		2215	13.48
6/18/2019	2039891	23586		2233	9.97
6/18/2019	2039892	23584		2215	12.61
6/18/2019	2039904	4438		2215	5.44
6/18/2019	2039950	4438		2158	3.94
6/18/2019	2039980	23586		2233	7.69
6/18/2019	2039988	23584		2215	4.62
6/18/2019	2039998	17007		2215	13.55
6/18/2019	2040006	389		2174	2.12
6/18/2019	2040117	4450		2174	3.40
6/19/2019	2040243	26249		2124	4.09
6/19/2019	2040246	489		2233	13.09
6/19/2019	2040279	23584		2215	11.41
6/19/2019	2040307	389		2174	4.02
6/19/2019	2040330	26129		2233	16.03
6/19/2019	2040333	4438		2215	5.29
6/19/2019	2040342	17007		2215	13.38
6/19/2019	2040409	23584		2215	10.48
6/19/2019	2040412	4426		2315	7.47
6/19/2019	2040420	4337		2215	8.16
6/19/2019	2040424	389		2070	7.07
6/19/2019	2040451	4450		2119	3.89
6/19/2019	2040464	4438		2215	3.25
6/19/2019	2040473	4326		2318	7.52
6/19/2019	2040474	26129		2197	15.56
6/19/2019	2040479	4450		2119	2.85
6/19/2019	2040483	4438		2215	3.45
6/19/2019	2040493	4450		2119	1.85
4002310 / INTERSTATE WASTE SERVICES / CS - 4002310					571.41
4002701 / NUTLEY, TOWN OF - 4002701					
6/14/2019	2038956	6806		2225	18.21
6/14/2019	2038957	6786		2225	15.49
6/14/2019	2038982	6775		2225	17.44
6/17/2019	2039539	6775		2225	15.12
6/17/2019	2039550	6806		2225	18.78
6/17/2019	2039561	6786		2225	17.30
6/17/2019	2039640	6786		2225	5.12
6/17/2019	2039656	6806		2225	10.80
6/17/2019	2039657	6775		2225	9.56
6/18/2019	2039977	6786		2225	16.14
6/18/2019	2039979	6806		2225	18.23
6/18/2019	2039986	6775		2225	15.97
6/18/2019	2040085	6786		2225	9.10
6/18/2019	2040087	6775		2225	9.34
6/18/2019	2040090	6806		2225	11.42
4002701 / NUTLEY, TOWN OF - 4002701					208.02

	Date	Ticket #	Truck Decal	Origin	Tons
4002850 / MAPLEWOOD R - 4002850					
	6/14/2019	2038840	9745	2180	5.54
	6/14/2019	2039038	9278	2180	4.55
	6/14/2019	2039039	9270	2180	10.05
	6/18/2019	2039847	9270	2180	11.46
	6/18/2019	2039875	9745	2180	8.84
	6/18/2019	2039880	9278	2180	14.47
	6/19/2019	2040278	9270	2180	7.35
	6/19/2019	2040306	9745	2180	6.92
	6/19/2019	2040413	9278	2180	7.54
4002850 / MAPLEWOOD R - 4002850					
4003360 / LOUIS T. ROSELLE, INC. - 4003360					
	6/14/2019	2038812	26698	2124	11.87
	6/14/2019	2038828	874	9537	2.56
	6/14/2019	2038839	920	2215	11.14
	6/14/2019	2038894	920	2215	4.16
	6/14/2019	2038924	875	2215	1.29
	6/14/2019	2038926	760	2318	16.01
	6/14/2019	2038953	766	2318	2.38
	6/14/2019	2039012	878	2318	14.94
	6/15/2019	2039161	920	2215	10.13
	6/15/2019	2039163	760	2318	12.24
	6/15/2019	2039173	859	2318	3.54
	6/15/2019	2039187	874A	2197	3.33
	6/15/2019	2039199	920	2215	6.47
	6/15/2019	2039209	874A	2302	2.26
	6/15/2019	2039253	766	2119	9.35
	6/15/2019	2039256	879	2233	9.88
	6/17/2019	2039398	26698	2095	5.62
	6/17/2019	2039412	26698	2215	2.52
	6/17/2019	2039413	920	2215	14.06
	6/17/2019	2039440	870	2215	9.06
	6/17/2019	2039463	766	9537	3.78
	6/17/2019	2039499	760	2318	16.71
	6/17/2019	2039534	766	2302	1.43
	6/17/2019	2039535	920	2215	9.86
	6/17/2019	2039538	870	2119	11.44
	6/18/2019	2039835	877	2158	12.94
	6/18/2019	2039850	766	2078	4.96
	6/18/2019	2039862	920	2215	12.33
	6/18/2019	2039863	870	2215	1.14
	6/18/2019	2039890	760	2318	16.83
	6/18/2019	2039898	874A	2197	3.92
	6/18/2019	2039919	766	2174	3.18
	6/18/2019	2039971	920	2215	5.54
	6/18/2019	2039989	877	2233	5.89
	6/18/2019	2039994	860	2318	10.48
	6/18/2019	2040041	870	2180	3.33
	6/19/2019	2040260	920	2215	7.95
	6/19/2019	2040263	26698	2095	3.77
	6/19/2019	2040282	874A	9537	3.21
	6/19/2019	2040291	875	2158	5.44
	6/19/2019	2040301	878	2174	1.43
	6/19/2019	2040311	760	2318	16.13
	6/19/2019	2040341	878	2174	3.91
	6/19/2019	2040344	861	2180	12.46
	6/19/2019	2040345	861	2174	12.46
	6/19/2019	2040376	874A	2302	1.67
	6/19/2019	2040379	920	2215	7.93
	6/19/2019	2040408	861	2318	14.42
	6/19/2019	2040431	774	2215	1.94
4003360 / LOUIS T. ROSELLE, INC. - 4003360					
4003470 / SUBURBAN DISPOSAL/EO - 4003470					

	Date	Ticket #	Truck Decal	Origin	Tons
	6/14/2019	2038814	815	2119	13.08
	6/14/2019	2038823	813	2119	9.92
	6/14/2019	2038825	769	2119	9.28
	6/14/2019	2038826	816	2119	7.66
	6/14/2019	2038843	821	2119	5.31
	6/14/2019	2038882	815	2119	17.64
	6/14/2019	2038899	813	2119	16.88
	6/14/2019	2038913	825A	2119	16.04
	6/14/2019	2039040	825A	2119	12.30
	6/15/2019	2039158	813	2119	14.79
	6/15/2019	2039162	769	2119	16.38
	6/15/2019	2039165	816	2119	8.30
	6/15/2019	2039196	813	2119	10.25
	6/15/2019	2039238	771	2119	18.54
	6/15/2019	2039251	830	2119	13.01
	6/17/2019	2039410	813	2119	11.39
	6/17/2019	2039477	825A	2119	17.30
	6/17/2019	2039502	813	2119	15.46
	6/17/2019	2039504	815	2119	18.09
	6/17/2019	2039662	815	2119	13.18
	6/17/2019	2039665	838	2119	10.67
	6/18/2019	2039834	825A	2119	17.65
	6/18/2019	2039840	813	2119	13.85
	6/18/2019	2039895	815	2119	7.02
	6/18/2019	2039926	813	2119	17.20
	6/18/2019	2039933	825A	2119	16.63
	6/18/2019	2039938	804	2119	16.33
	6/18/2019	2040032	815	2119	17.93
	6/18/2019	2040072	825A	2119	13.58
	6/19/2019	2040264	815	2119	12.47
	6/19/2019	2040286	838	2119	17.29
	6/19/2019	2040288	813	2119	18.35
	6/19/2019	2040383	825A	2119	18.03
	6/19/2019	2040391	813	2119	14.46
	6/19/2019	2040397	804	2119	18.14
	6/19/2019	2040466	804	2119	6.44
4003470 / SUBURBAN DISPOSAL/EO - 4003470					500.84
4003521 / SOUTH ORANGE DISPOSAL CO. - 4003521					
	6/14/2019	2039020	4604	2287	12.20
	6/17/2019	2039597	4603	2287	9.63
	6/18/2019	2040013	4603	2287	10.20
	6/19/2019	2040454	4604	2287	11.31
4003521 / SOUTH ORANGE DISPOSAL CO. - 4003521					43.34
4003660 / GAETA RECYCLING INC. - 4003660					
	6/14/2019	2038878	10366	2215	1.54
	6/14/2019	2038916	10366	2215	4.08
	6/14/2019	2038968	23856	2197	6.09
	6/14/2019	2039033	10375	2215	13.84
	6/17/2019	2039674	10416	2215	16.43
	6/18/2019	2039888	26438	2215	1.62
	6/18/2019	2039902	23856	2124	4.68
	6/18/2019	2039923	26438	2215	3.04
	6/18/2019	2039953	10375	2215	9.41
	6/18/2019	2040029	10416	2215	15.20
	6/18/2019	2040100	10417	2197	6.58
	6/19/2019	2040348	10910	2124	4.01
	6/19/2019	2040429	10416	2215	13.38
4003660 / GAETA RECYCLING INC. - 4003660					99.90
4003750 / WM - PSE&G - 4003750					
	6/19/2019	2040487	9811	2215	1.46
4003750 / WM - PSE&G - 4003750					1.46
4003761 / SUBURBAN / W. ORANGE - 4003761					
	6/14/2019	2038971	797	2318	15.34

	Date	Ticket #	Truck Decal	Origin	Tons
	6/14/2019	2038978	866	2318	14.90
	6/14/2019	2039019	806	2318	16.10
	6/15/2019	2039213	866	2318	10.43
	6/15/2019	2039227	797	2318	15.29
	6/15/2019	2039245	930	2318	9.50
	6/15/2019	2039250	911	2318	16.69
	6/15/2019	2039254	806	2318	11.86
	6/15/2019	2039272	911	2318	2.10
	6/17/2019	2039426	857	2318	9.84
	6/17/2019	2039603	806	2318	18.47
	6/17/2019	2039617	866	2318	18.22
	6/17/2019	2039623	878	2318	17.82
	6/17/2019	2039648	797	2318	16.96
	6/18/2019	2039885	735	2318	17.69
	6/18/2019	2040016	866	2318	14.80
	6/18/2019	2040047	930	2318	12.51
	6/18/2019	2040057	797	2318	16.70
	6/18/2019	2040058	778	2318	15.41
	6/18/2019	2040062	878	2318	18.84
	6/19/2019	2040390	878A	2318	2.32
	6/19/2019	2040400	866	2318	12.20
	6/19/2019	2040458	797	2318	15.07
	6/19/2019	2040460	893	2318	12.45
	6/19/2019	2040475	853	2318	15.60
4003761 / SUBURBAN / W. ORANGE - 4003761					347.11
4003768 / LIVINGSTON - 4003768					
	6/14/2019	2039022	17035	2174	11.53
	6/14/2019	2039024	12618	2174	11.87
	6/14/2019	2039025	12629	2174	13.22
	6/15/2019	2039258	11509	2174	12.62
	6/15/2019	2039267	17035	2174	15.50
	6/15/2019	2039268	12629	2174	10.77
	6/17/2019	2039638	12618	2174	13.88
	6/17/2019	2039645	12629	2174	17.16
	6/17/2019	2039686	12613	2174	16.33
	6/18/2019	2039841	269	2174	8.79
	6/18/2019	2040096	12613	2174	17.06
	6/18/2019	2040098	12618	2174	18.05
	6/18/2019	2040102	17286	2174	15.59
	6/18/2019	2040110	265	2174	14.40
	6/19/2019	2040449	12613	2174	13.42
	6/19/2019	2040450	12618	2174	13.85
	6/19/2019	2040461	268	2174	11.71
	6/19/2019	2040470	269	2174	15.31
4003768 / LIVINGSTON - 4003768					251.06
4004042 / ROSELAND - 4004042					
	6/14/2019	2038980	14794	2267	11.12
	6/17/2019	2039621	14766	2267	13.36
	6/19/2019	2040314	14794	2267	12.43
4004042 / ROSELAND - 4004042					36.91
4007006 / BORO OF N. CALDWELL					
	6/14/2019	2038832	6803	2219	14.59
	6/15/2019	2039193	6803	2219	12.04
	6/18/2019	2039866	6803	2219	14.60
	6/19/2019	2040300	6803	2219	13.58
4007006 / BORO OF N. CALDWELL					54.81
4007011 / BELLEVILLE - 4007011					
	6/14/2019	2038818	822	2070	7.52
	6/14/2019	2038821	824	2070	10.21
	6/14/2019	2038903	801	2070	15.01
	6/14/2019	2038906	822	2070	12.27
	6/14/2019	2038955	824	2070	14.81
	6/14/2019	2039047	801	2070	16.13

	Date	Ticket #	Truck Decal	Origin	Tons
	6/15/2019	2039159	824	2070	10.73
	6/15/2019	2039176	822	2070	14.83
	6/17/2019	2039524	801	2070	16.42
	6/17/2019	2039530	824	2070	15.64
	6/17/2019	2039566	822	2070	18.40
	6/17/2019	2039654	824	2070	11.19
	6/17/2019	2039675	801	2070	18.74
	6/18/2019	2039838	822	2070	9.20
	6/18/2019	2039960	801	2070	18.89
	6/18/2019	2039981	824	2070	16.16
	6/18/2019	2040007	822	2070	17.78
	6/18/2019	2040107	824	2070	9.84
	6/18/2019	2040111	801	2070	16.11
	6/19/2019	2040268	822	2070	10.98
4007011 / BELLEVILLE - 4007011					280.86
4007020 / BLOOMFIELD - 4007020					
	6/14/2019	2038918	894	2078	12.00
	6/14/2019	2038930	778	2078	15.25
	6/14/2019	2038950	888	2078	14.76
	6/14/2019	2039042	778	2078	9.53
	6/15/2019	2039168	894	2078	11.61
	6/15/2019	2039171	888	2078	5.92
	6/15/2019	2039246	823	2078	15.04
	6/15/2019	2039259	793	2078	15.02
	6/15/2019	2039262	778	2078	17.91
	6/17/2019	2039574	894	2078	16.53
	6/17/2019	2039616	888	2078	17.94
	6/17/2019	2039618	778	2078	20.44
	6/18/2019	2039957	894	2078	16.47
	6/18/2019	2039985	778	2078	13.80
	6/18/2019	2039999	888	2078	18.08
	6/19/2019	2040277	778	2078	9.65
	6/19/2019	2040305	894	2078	12.37
	6/19/2019	2040421	888	2078	19.89
	6/19/2019	2040432	778	2078	18.50
	6/19/2019	2040485	778	2078	7.87
4007020 / BLOOMFIELD - 4007020					288.58
4007031 / CALDWELL - 4007031					
	6/15/2019	2039229	13186	2089	18.81
	6/18/2019	2039876	6255	2089	15.04
	6/19/2019	2040296	6286	2089	8.50
	6/19/2019	2040313	6262	2089	17.78
4007031 / CALDWELL - 4007031					60.13
4007070 / FAIRFIELD - 4007070					
	6/14/2019	2039023	892	2124	14.25
	6/18/2019	2039882	892	2124	17.60
	6/18/2019	2039954	26723	2124	13.75
	6/18/2019	2040106	9439	2124	4.69
	6/18/2019	2040108	892	2124	14.84
4007070 / FAIRFIELD - 4007070					65.13
4007081 / GLEN RIDGE - 4007081					
	6/14/2019	2038817	807	2138	6.58
	6/14/2019	2038993	807	2138	8.54
	6/17/2019	2039428	874	2138	14.05
	6/18/2019	2039864	874	2138	15.05
	6/18/2019	2040066	874	2138	9.95
	6/19/2019	2040465	818	2138	13.39
4007081 / GLEN RIDGE - 4007081					67.56
4007090 / IRVINGTON - 4007090					
	6/14/2019	2038890	781	2158	14.21
	6/14/2019	2038893	783	2158	14.19
	6/14/2019	2038907	790	2158	15.54
	6/14/2019	2038963	769	2158	15.90

	Date	Ticket #	Truck Decal	Origin	Tons
	6/14/2019	2039006	790	2158	10.14
	6/15/2019	2039172	783	2158	14.23
	6/15/2019	2039239	781	2158	9.31
	6/15/2019	2039240	856	2158	17.70
	6/15/2019	2039248	790	2158	5.58
	6/15/2019	2039261	783	2158	14.61
	6/15/2019	2039265	894	2158	13.13
	6/15/2019	2039270	820	2158	16.97
	6/15/2019	2039273	834	2158	5.92
	6/17/2019	2039420	818	2158	7.37
	6/17/2019	2039510	783	2158	16.55
	6/17/2019	2039552	790	2158	19.58
	6/17/2019	2039559	781	2158	16.36
	6/17/2019	2039582	702	2158	15.15
	6/17/2019	2039585	820	2158	15.94
	6/17/2019	2039629	781	2158	9.07
	6/17/2019	2039635	790	2158	8.00
	6/18/2019	2039849	702	2158	10.50
	6/18/2019	2039945	783	2158	16.88
	6/18/2019	2039995	790	2158	19.38
	6/18/2019	2040014	781	2158	16.59
	6/18/2019	2040052	783	2158	14.69
	6/18/2019	2040099	790	2158	11.18
	6/18/2019	2040113	781	2158	7.46
	6/19/2019	2040211	777	2158	15.64
	6/19/2019	2040326	787	2158	11.09
	6/19/2019	2040352	790	2158	20.06
	6/19/2019	2040402	783	2158	17.62
	6/19/2019	2040455	790	2158	12.29
4007090 / IRVINGTON - 4007090					448.83
4007120 / MILLBURN - 4007130					
	6/14/2019	2039008	3082	2190	11.83
	6/15/2019	2039260	3082	2190	9.70
	6/15/2019	2039269	3073	2190	12.62
	6/17/2019	2039606	3083	2190	16.39
	6/17/2019	2039612	3082	2190	13.74
	6/18/2019	2040116	3082	2190	18.29
	6/19/2019	2040453	3082	2190	13.73
	6/19/2019	2040480	3083	2190	15.44
4007120 / MILLBURN - 4007130					111.74
4007130 / MONTCLAIR - 4007130					
	6/14/2019	2038925	601598MON	2197	13.39
	6/14/2019	2038939	601617MON	2197	7.10
	6/14/2019	2038952	606045MON	2197	13.65
	6/14/2019	2038962	601607MON	2197	15.47
	6/14/2019	2038969	601596MON	2197	10.99
	6/17/2019	2039543	601612MON	2197	14.60
	6/17/2019	2039571	601598MON	2197	7.99
	6/17/2019	2039572	606045MON	2197	14.35
	6/17/2019	2039575	601617MON	2197	14.02
	6/17/2019	2039599	601596MON	2197	11.66
	6/17/2019	2039604	601597MON	2197	11.40
	6/18/2019	2039909	601610MON	2197	1.67
	6/18/2019	2040024	601617MON	2197	13.59
	6/18/2019	2040044	601598MON	2197	15.63
	6/18/2019	2040048	601596MON	2197	12.85
	6/18/2019	2040060	601597MON	2197	12.11
	6/19/2019	2040360	601612MON	2197	13.59
	6/19/2019	2040401	601603MON	2197	16.74
4007130 / MONTCLAIR - 4007130					220.80
4007141 / NEWARK SANITATION - 4007141					
	6/14/2019	2038895	23905CDS	2215	0.51
	6/14/2019	2038917	2677NWK	2215	9.56

Date	Ticket #	Truck Decal	Origin	Tons
6/14/2019	2038923	2692NWK	2215	8.99
6/14/2019	2038931	2671NWK	2215	7.27
6/14/2019	2038932	6815	2215	8.89
6/14/2019	2038933	6781	2215	11.79
6/14/2019	2038940	6780	2215	10.67
6/14/2019	2038946	2556NWK	2215	8.07
6/14/2019	2038949	2678NWK	2215	8.76
6/14/2019	2038959	2672NWK	2215	8.19
6/14/2019	2038960	2588NWK	2215	0.78
6/14/2019	2038961	6793	2215	11.66
6/14/2019	2038964	6800	2215	15.83
6/14/2019	2038965	2588NWK	2215	11.74
6/14/2019	2038967	2683NWK	2215	11.43
6/14/2019	2038972	2676NWK	2215	8.62
6/14/2019	2038974	2589NWK	2215	11.10
6/14/2019	2038975	6797	2215	10.92
6/14/2019	2038976	23905CDS	2215	0.49
6/14/2019	2038977	2560NWK	2215	6.09
6/14/2019	2038984	2685NWK	2215	10.66
6/14/2019	2038985	7734	2215	13.15
6/14/2019	2038986	6808	2215	12.29
6/14/2019	2038990	2687NWK	2215	15.57
6/14/2019	2038992	6792	2215	15.24
6/14/2019	2038996	8482CDS	2215	0.46
6/14/2019	2038998	6788	2215	8.93
6/14/2019	2039003	2691NWK	2215	10.67
6/14/2019	2039007	8481CDS	2215	0.61
6/14/2019	2039011	2684NWK	2215	9.86
6/14/2019	2039014	6814	2215	16.17
6/14/2019	2039015	2673NWK	2215	13.32
6/14/2019	2039018	6787	2215	11.72
6/14/2019	2039021	6795	2215	10.57
6/14/2019	2039026	2686NWK	2215	10.50
6/14/2019	2039034	2688NWK	2215	10.15
6/14/2019	2039072	2673NWK	2215	2.40
6/14/2019	2039073	2676NWK	2215	1.49
6/14/2019	2039089	2678NWK	2215	2.14
6/15/2019	2039237	23905CDS	2215	0.49
6/15/2019	2039264	23905CDS	2215	0.51
6/15/2019	2039266	8482CDS	2215	0.46
6/15/2019	2039275	2678NWK	2215	1.48
6/15/2019	2039321	2678NWK	2215	0.25
6/15/2019	2039325	2673NWK	2215	0.59
6/17/2019	2039517	2673NWK	2215	9.07
6/17/2019	2039518	8481CDS	2215	0.52
6/17/2019	2039523	23905CDS	2215	0.30
6/17/2019	2039540	2687NWK	2215	17.03
6/17/2019	2039551	2671NWK	2215	11.33
6/17/2019	2039553	6780	2215	14.66
6/17/2019	2039557	6814	2215	10.01
6/17/2019	2039560	6792	2215	15.75
6/17/2019	2039564	2556NWK	2215	17.24
6/17/2019	2039569	6815	2215	9.22
6/17/2019	2039578	23905CDS	2215	0.41
6/17/2019	2039579	2589NWK	2215	16.79
6/17/2019	2039580	6795	2215	14.66
6/17/2019	2039581	8485CDS	2215	0.40
6/17/2019	2039584	2686NWK	2215	15.84
6/17/2019	2039586	2685NWK	2215	15.72
6/17/2019	2039588	6781	2215	16.42
6/17/2019	2039591	2684NWK	2215	15.81
6/17/2019	2039592	8481CDS	2215	0.45
6/17/2019	2039593	2691NWK	2215	12.61

Date	Ticket #	Truck Decal	Origin	Tons
6/17/2019	2039598	2692NWK	2215	17.29
6/17/2019	2039601	2672NWK	2215	11.37
6/17/2019	2039602	2688NWK	2215	15.81
6/17/2019	2039610	23905CDS	2215	0.51
6/17/2019	2039611	6793	2215	11.42
6/17/2019	2039619	7734	2215	19.51
6/17/2019	2039624	2683NWK	2215	16.05
6/17/2019	2039625	6788	2215	14.60
6/17/2019	2039627	6787	2215	2.79
6/17/2019	2039634	6797	2215	14.33
6/17/2019	2039644	8481CDS	2215	0.32
6/17/2019	2039647	6814	2215	5.91
6/17/2019	2039653	23905CDS	2215	0.32
6/17/2019	2039659	2676NWK	2215	16.06
6/17/2019	2039661	2677NWK	2215	14.64
6/17/2019	2039667	2692NWK	2215	4.10
6/17/2019	2039676	8485CDS	2215	0.39
6/17/2019	2039677	2673NWK	2215	11.76
6/17/2019	2039685	2678NWK	2215	17.39
6/17/2019	2039729	2673NWK	2215	9.69
6/17/2019	2039733	2589NWK	2215	2.58
6/17/2019	2039735	2670NWK	2215	6.38
6/18/2019	2039867	6787	2215	13.65
6/18/2019	2039907	2560NWK	2215	3.50
6/18/2019	2039939	23905CDS	2215	0.61
6/18/2019	2039956	6815	2215	6.29
6/18/2019	2039958	6787	2215	4.67
6/18/2019	2039982	2674NWK	2215	15.56
6/18/2019	2039993	2686NWK	2215	4.55
6/18/2019	2040005	12856CDS	2215	0.64
6/18/2019	2040009	2692NWK	2215	14.67
6/18/2019	2040011	6781	2215	16.61
6/18/2019	2040012	6780	2215	14.19
6/18/2019	2040019	23905CDS	2215	0.27
6/18/2019	2040020	2588NWK	2215	13.77
6/18/2019	2040022	6792	2215	16.77
6/18/2019	2040025	2683NWK	2215	14.29
6/18/2019	2040026	2687NWK	2215	15.98
6/18/2019	2040027	12853CDS	2215	0.34
6/18/2019	2040033	6808	2215	13.86
6/18/2019	2040034	2673NWK	2215	12.92
6/18/2019	2040038	2691NWK	2215	13.97
6/18/2019	2040040	6797	2215	13.74
6/18/2019	2040042	6788	2215	12.38
6/18/2019	2040045	7734	2215	15.63
6/18/2019	2040046	2589NWK	2215	12.72
6/18/2019	2040049	2688NWK	2215	15.79
6/18/2019	2040054	6795	2215	13.09
6/18/2019	2040059	2684NWK	2215	14.34
6/18/2019	2040063	6801	2215	16.71
6/18/2019	2040064	6815	2215	5.73
6/18/2019	2040068	6814	2215	15.43
6/18/2019	2040069	2551NWK	2215	11.67
6/18/2019	2040074	2685NWK	2215	14.98
6/18/2019	2040075	2676NWK	2215	15.47
6/18/2019	2040076	2678NWK	2215	13.38
6/18/2019	2040079	2690NWK	2215	10.56
6/18/2019	2040081	2679NWK	2215	15.14
6/18/2019	2040083	6793	2215	16.68
6/18/2019	2040097	2673NWK	2215	1.84
6/18/2019	2040114	2683NWK	2215	4.54
6/18/2019	2040115	12853CDS	2215	0.47
6/18/2019	2040120	6787	2215	12.85

	Date	Ticket #	Truck Decal	Origin	Tons
	6/18/2019	2040172	2673NWK	2215	1.51
	6/18/2019	2040174	2679NWK	2215	2.52
	6/19/2019	2040357	2686NWK	2215	6.31
	6/19/2019	2040377	2670NWK	2215	14.67
	6/19/2019	2040378	2688NWK	2215	4.31
	6/19/2019	2040382	2679NWK	2215	1.81
	6/19/2019	2040384	23905CDS	2215	0.88
	6/19/2019	2040386	2690NWK	2215	2.33
	6/19/2019	2040387	2672NWK	2215	7.83
	6/19/2019	2040392	2551NWK	2215	3.24
	6/19/2019	2040406	2687NWK	2215	6.56
	6/19/2019	2040410	2671NWK	2215	2.44
	6/19/2019	2040414	12856CDS	2215	0.93
	6/19/2019	2040438	12853CDS	2215	0.37
	6/19/2019	2040439	23905CDS	2215	0.26
	6/19/2019	2040445	2523NWK	2215	10.37
	6/19/2019	2040481	12853CDS	2215	0.28
	6/19/2019	2040482	12856CDS	2215	0.25
	6/19/2019	2040527	2673NWK	2215	12.39
	6/19/2019	2040529	2670NWK	2215	6.37
	6/19/2019	2040532	2671NWK	2215	1.04
4007141 / NEWARK SANITATION - 4007141					1,315.42
4007170 / ORANGE - 4007170					
	6/14/2019	2038947	14770	2233	16.86
	6/15/2019	2039177	14759	2233	16.11
	6/15/2019	2039235	22126	2233	12.86
	6/15/2019	2039249	14770	2233	13.46
	6/17/2019	2039429	14770	2233	22.64
	6/17/2019	2039577	14793	2233	12.08
	6/17/2019	2039587	14794	2233	12.25
	6/17/2019	2039639	14770	2233	6.54
	6/18/2019	2039987	14766	2233	20.47
	6/18/2019	2040017	14770	2233	20.28
	6/19/2019	2040434	14770	2233	15.38
	6/19/2019	2040467	14759	2233	16.99
4007170 / ORANGE - 4007170					185.92
4007190 / SOUTH ORANGE - DPW - 4007190					
	6/18/2019	2040008	604736	2287	4.79
4007190 / SOUTH ORANGE - DPW - 4007190					4.79
4007200 / VERONA - 4007200					
	6/14/2019	2039009	17285	2302	11.08
	6/14/2019	2039030	17032	2302	10.50
	6/17/2019	2039651	12625	2302	14.03
	6/18/2019	2039853	12627	2302	13.96
	6/18/2019	2040109	12629	2302	13.82
	6/19/2019	2040285	12627	2302	14.55
4007200 / VERONA - 4007200					77.94
4007210 / W. CALDWELL - 4007210					
	6/14/2019	2039013	13184	2315	14.55
	6/15/2019	2039271	13202	2315	17.58
	6/17/2019	2039541	6264	2315	15.39
	6/17/2019	2039652	6264	2315	7.40
	6/18/2019	2039975	6264	2315	14.31
	6/18/2019	2040112	6264	2315	7.80
	6/19/2019	2040427	6264	2315	17.36
	6/19/2019	2040476	6251	2315	7.96
4007210 / W. CALDWELL - 4007210					102.35
4007800 / ESSEX COUNTY PARKS DEPT. - 4007800					
	6/14/2019	2039049	24872	2215	2.05
	6/15/2019	2039215	24874	2215	2.21
	6/17/2019	2039481	24874	2215	2.23
	6/17/2019	2039626	24872	2215	1.56
	6/19/2019	2040269	24872	2215	1.09

	Date	Ticket #	Truck Decal	Origin	Tons
	6/19/2019	2040370	24874	2215	1.83
	6/19/2019	2040457	24872	2215	1.55
4007800 / ESSEX COUNTY PARKS DEPT. - 4007800					12.52
4007847 / GIORDANO CO - 4007847					
	6/14/2019	2038836	3074	2119	3.23
	6/17/2019	2039357	3175	2215	2.35
	6/17/2019	2039419	3088	2215	2.87
	6/17/2019	2039423	3074	2119	2.41
	6/19/2019	2040231	3175	2215	1.33
	6/19/2019	2040294	3074	2119	3.44
4007847 / GIORDANO CO - 4007847					15.63
4008262 / CEDAR GROVE-4008262					
	6/14/2019	2038802	6805	2095	17.78
	6/15/2019	2039152	6805	2095	14.95
	6/17/2019	2039388	6805	2095	12.95
	6/17/2019	2039600	6801	2095	15.00
	6/18/2019	2039831	6801	2095	7.64
	6/18/2019	2040000	6805	2095	10.78
	6/19/2019	2040257	6805	2095	5.04
4008262 / CEDAR GROVE-4008262					84.14
4009030 / CALI CARTING- COMMERCIAL 4009030					
	6/14/2019	2038848	13170	2215	2.77
	6/14/2019	2038866	13170	2215	2.67
	6/14/2019	2038896	13163	2215	13.63
	6/14/2019	2038908	13177	2215	15.62
	6/14/2019	2039027	13162	2215	12.14
	6/14/2019	2039031	13163	2215	3.89
	6/15/2019	2039188	13163	2215	8.99
	6/15/2019	2039195	13177	2215	15.46
	6/17/2019	2039512	6285	2215	16.87
	6/17/2019	2039633	6271	2215	20.11
	6/17/2019	2039649	6285	2215	12.13
	6/18/2019	2039922	6285	2215	12.49
	6/18/2019	2039973	6271	2215	20.38
	6/18/2019	2040088	6271	2215	9.23
	6/18/2019	2040089	6285	2215	9.89
	6/19/2019	2040346	6271	2215	12.47
	6/19/2019	2040358	6285	2215	13.58
	6/19/2019	2040469	6285	2215	6.42
4009030 / CALI CARTING- COMMERCIAL 4009030					208.74
8000376 / IESI CORPORATION - 8000376 - APHIS					
	6/18/2019	2039836	10220	2157	8.66
8000376 / IESI CORPORATION - 8000376					8.66
8000416 / INTER-REGIONAL DISPOSAL					
	6/15/2019	2039169	10961	2214	11.22
	6/17/2019	2039433	10964	2214	21.80
	6/17/2019	2039482	10963	2214	16.35
	6/17/2019	2039498	10944	2214	13.42
	6/17/2019	2039630	10964	2214	2.75
	6/17/2019	2039632	10966	2214	8.22
	6/17/2019	2039709	10958	2214	3.15
	6/17/2019	2039736	10967	2214	16.09
	6/18/2019	2039816	10961	2214	9.53
	6/18/2019	2039905	10965	2214	20.14
	6/18/2019	2039911	10964	2214	16.13
	6/18/2019	2039912	10966	2214	15.06
	6/18/2019	2040004	10967	2214	14.91
	6/18/2019	2040015	10944	2214	13.36
	6/18/2019	2040123	10962	2214	7.58
	6/18/2019	2040163	10958	2214	4.30
	6/19/2019	2040248	10967	2214	15.16
	6/19/2019	2040261	10961	2214	10.68

	Date	Ticket #	Truck Decal	Origin	Tons
	6/19/2019	2040315	10963	2214	17.99
	6/19/2019	2040320	10945	2214	16.82
	6/19/2019	2040331	10964	2214	16.12
	6/19/2019	2040338	10949	2214	15.95
	6/19/2019	2040343	10966	2214	17.86
	6/19/2019	2040355	10944	2214	14.32
	6/19/2019	2040380	10958	2214	6.97
	6/19/2019	2040415	10937	2214	9.17
	6/19/2019	2040447	10944	2214	6.79
	6/19/2019	2040484	10945	2214	9.06
	6/19/2019	2040499	10937	2214	7.20
	6/19/2019	2040502	10940	2214	3.68
	6/19/2019	2040541	10938	2214	9.67
8000416 / INTER-REGIONAL DISPOSAL					371.45
8000716 / INTERSTATE WASTE - MSW					
	6/18/2019	2040037	4426	2022	3.34
8000716 / INTERSTATE WASTE - MSW					3.34
8000736M / M&M SANITATION (MSW)					
	6/15/2019	2039175	1130	2214	13.66
	6/15/2019	2039204	098	2214	3.87
	6/15/2019	2039231	1132	2214	11.06
	6/15/2019	2039244	108	2214	6.26
	6/15/2019	2039252	1124	2214	10.25
	6/17/2019	2039335	1130	2214	11.51
	6/17/2019	2039442	1124	2214	12.46
	6/17/2019	2039448	101	2214	9.96
	6/17/2019	2039458	1129	2214	6.26
	6/17/2019	2039459	108	2214	12.33
	6/17/2019	2039589	1130	2214	5.19
	6/18/2019	2039804	1129	2214	11.62
	6/18/2019	2039889	1129	2214	5.56
	6/18/2019	2040186	98	2214	7.86
	6/18/2019	2040187	101	2214	9.31
	6/19/2019	2040266	1124	2214	11.47
	6/19/2019	2040323	107	2214	8.96
	6/19/2019	2040375	1130	2214	2.56
	6/19/2019	2040394	1124	2214	7.91
	6/19/2019	2040419	98	2214	3.92
	6/19/2019	2040436	101	2214	2.44
8000736M / M&M SANITATION (MSW)					174.42
8000749 / FLAG CONTAINER SERVICE					
	6/14/2019	2038780	13756	2214	17.96
	6/15/2019	2039118	25663	2214	9.70
8000749 / FLAG CONTAINER SERVICE					27.66
8000755 / FLASH RECYCLING CORP.					
	6/15/2019	2039140	1203	2214	11.58
	6/17/2019	2039358	1203	2214	13.55
	6/17/2019	2039360	1202	2214	12.05
8000755 / FLASH RECYCLING CORP.					37.18
8000782 / GAETA INTERIOR DEMOLITION					
	6/14/2019	2039087	6195	2214	7.29
	6/17/2019	2039739	6199	2214	8.36
	6/19/2019	2040530	6199	2214	6.05
8000782 / GAETA INTERIOR DEMOLITION					21.70
8000794 / T. FARESE					
	6/14/2019	2038772	10282	2018	14.53
	6/14/2019	2038991	26555	2105	12.81
	6/14/2019	2039004	10277	2105	16.33
	6/14/2019	2039016	10297	2105	18.14
	6/14/2019	2039029	10301	2238	8.82
	6/14/2019	2039046	10292	2105	8.04
	6/15/2019	2039141	10246	2105	2.00
	6/15/2019	2039170	10240	2238	9.81

Date	Ticket #	Truck Decal	Origin	Tons
6/15/2019	2039191	10254	2105	3.30
6/15/2019	2039198	18814	2238	14.84
6/15/2019	2039200	10254	2105	0.67
6/15/2019	2039220	24870	2313	3.58
6/15/2019	2039242	10292	2105	16.08
6/17/2019	2039328	10296	3376	2.05
6/17/2019	2039355	10296	2024	5.39
6/17/2019	2039381	10296	2028	4.18
6/17/2019	2039395	10254	2105	1.40
6/17/2019	2039403	10296	2271	3.62
6/17/2019	2039411	18482	2271	5.66
6/17/2019	2039415	10254	2105	1.42
6/17/2019	2039417	10301	2238	11.30
6/17/2019	2039418	10296	2010	1.15
6/17/2019	2039422	10256	2105	12.61
6/17/2019	2039435	10240	2238	3.21
6/17/2019	2039439	10254	2105	2.38
6/17/2019	2039452	26555	2105	10.88
6/17/2019	2039500	10301	2238	11.10
6/17/2019	2039514	10254	2105	3.57
6/17/2019	2039536	10277	2105	13.71
6/17/2019	2039548	23462	2271	3.01
6/17/2019	2039590	26555	2105	9.44
6/17/2019	2039594	10292	2105	18.96
6/17/2019	2039605	24320	2105	14.42
6/17/2019	2039641	10297	2105	19.73
6/17/2019	2039680	10288	2105	11.74
6/17/2019	2039741	10282	2028	14.46
6/18/2019	2039795	10298	2238	9.25
6/18/2019	2039803	10282	2297	12.51
6/18/2019	2039807	18482	2105	5.49
6/18/2019	2039820	10254	2105	0.34
6/18/2019	2039829	26555	2105	14.75
6/18/2019	2039854	10301	2238	9.40
6/18/2019	2039858	10240	2238	2.50
6/18/2019	2039860	24870	2172	8.25
6/18/2019	2039877	18482	2271	1.71
6/18/2019	2039896	10254	2105	1.09
6/18/2019	2039915	10254	2105	5.08
6/18/2019	2039972	26555	2105	13.61
6/18/2019	2040010	10301	2238	11.01
6/18/2019	2040021	10277	2105	13.51
6/18/2019	2040035	10297	2105	12.83
6/18/2019	2040039	10298	2238	7.92
6/18/2019	2040070	9009	2105	4.74
6/18/2019	2040095	10295	2238	3.51
6/18/2019	2040188	10282	2018	14.41
6/18/2019	2040189	10296	2184	9.77
6/19/2019	2040218	10282	2028	14.02
6/19/2019	2040238	24376	2016	11.00
6/19/2019	2040242	10296	3376	5.40
6/19/2019	2040270	10282	2297	14.93
6/19/2019	2040273	18482	2105	4.43
6/19/2019	2040289	10240	2238	0.52
6/19/2019	2040303	10301	2238	9.91
6/19/2019	2040309	10254	2105	0.99
6/19/2019	2040318	10296	2010	0.91
6/19/2019	2040319	10256	2105	1.33
6/19/2019	2040324	10298	2238	3.50
6/19/2019	2040332	10282	16075	15.45
6/19/2019	2040334	10254	2105	0.61
6/19/2019	2040350	10296	2271	4.09
6/19/2019	2040359	10295	2240	15.13

	Date	Ticket #	Truck Decal	Origin	Tons
	6/19/2019	2040399	26555	2105	17.28
	6/19/2019	2040405	9009	2105	4.53
	6/19/2019	2040416	10297	2105	8.66
	6/19/2019	2040417	10295	2238	11.12
	6/19/2019	2040468	10263	2105	15.72
	6/19/2019	2040489	10288	2105	5.60
	6/19/2019	2040539	10282	2028	12.55
	6/19/2019	2040542	10296	3376	4.52
8000794 / T. FARESE					658.22
8000818 / C4R - WASTE SERVICES					
	6/14/2019	2038987	512	2105	8.16
	6/18/2019	2040002	4402	2295	11.15
	6/18/2019	2040050	4402	2295	10.68
	6/18/2019	2040078	4458	2313	10.75
8000818 / C4R - WASTE SERVICES					32.58
8000824 / T. FARESE & SONS MARCAL 11038					
	6/17/2019	2039643	24870	2018	8.72
	6/18/2019	2039917	24870	2018	8.40
8000824 / T. FARESE & SONS MARCAL 11038					17.12
8000830 / GAETA RECYCLING 11758 - APHIS					
	6/14/2019	2038834	10394	2157	0.15
	6/14/2019	2038855	26438	2157	2.24
	6/14/2019	2038954	26438	2157	4.80
	6/14/2019	2038994	26438	2157	0.24
	6/14/2019	2039041	26438	2157	0.25
	6/17/2019	2039421	10394	2157	0.17
	6/17/2019	2039451	10394	2157	0.11
	6/17/2019	2039519	26438	2157	2.75
	6/17/2019	2039556	26438	2157	5.00
	6/17/2019	2039596	26438	2157	0.41
	6/17/2019	2039664	26438	2157	0.19
	6/19/2019	2040339	26438	2157	0.21
8000830 / GAETA RECYCLING 11758					16.52
8000832 / WASTE MGMT. UNITED AIRLINES 11749 - APHIS					
	6/14/2019	2038846	9739	2157	3.31
	6/14/2019	2038870	9739	2157	6.70
	6/14/2019	2038898	9739	2157	3.04
	6/14/2019	2038928	9434	2157	12.59
	6/14/2019	2038997	9434	2157	12.26
	6/14/2019	2039053	9450	2157	8.22
	6/15/2019	2039143	9927	2157	2.82
	6/15/2019	2039164	9927	2157	6.42
	6/15/2019	2039166	9925	2157	9.69
	6/15/2019	2039179	9925	2157	5.19
	6/15/2019	2039217	9925	2157	7.21
	6/15/2019	2039276	9739	2157	9.10
	6/15/2019	2039294	9739	2157	4.73
	6/17/2019	2039341	9925	2157	10.55
	6/17/2019	2039378	9740	2157	6.37
	6/17/2019	2039379	9927	2157	7.72
	6/17/2019	2039409	9740	2157	5.80
	6/17/2019	2039457	9927	2157	6.00
	6/17/2019	2039554	9927	2157	11.73
	6/17/2019	2039614	9927	2157	14.14
	6/17/2019	2039695	9450	2157	11.69
	6/18/2019	2039821	9740	2157	6.99
	6/18/2019	2039881	9927	2157	3.02
	6/18/2019	2039908	9925	2157	9.79
	6/18/2019	2039914	9927	2157	3.02
	6/18/2019	2039969	9925	2157	8.36
	6/18/2019	2040143	9450	2157	10.84
	6/19/2019	2040241	9925	2157	12.33
	6/19/2019	2040272	9740	2157	6.48

	Date	Ticket #	Truck	Decal	Origin	Tons
	6/19/2019	2040297	9925		2157	5.47
	6/19/2019	2040368	9927		2157	3.03
	6/19/2019	2040503	9450		2157	11.18
8000832 / WASTE MGMT. UNITED AIRLINES 11749						245.79
8000833 / T. FARESE #12222 - APHIS						
	6/14/2019	2038912	10233		2157	0.21
	6/17/2019	2039522	10233		2157	0.00
8000833 / T. FARESE #12222						0.21
8000835 / INTERSTATE WASTE APHIS 12585						
	6/14/2019	2038852	24348		2157	9.14
	6/14/2019	2038989	24348		2157	0.28
	6/15/2019	2039184	24348		2157	9.37
	6/15/2019	2039274	4369		2157	2.69
	6/17/2019	2039454	24348		2157	13.39
	6/18/2019	2039871	24348		2157	9.39
	6/19/2019	2040312	24348		2157	9.69
	6/19/2019	2040349	24348		2157	0.36
8000835 / INTERSTATE WASTE APHIS 12585						54.31
8000843 / CITY OF PASSAIC						
	6/14/2019	2038792	25614		2238	11.16
	6/14/2019	2038806	25413		2238	12.55
	6/14/2019	2038938	25413		2238	13.61
	6/14/2019	2038981	25614		2238	17.78
	6/14/2019	2039001	444		2238	14.64
	6/14/2019	2039032	25413		2238	7.95
	6/14/2019	2039043	25614		2238	4.48
	6/15/2019	2039149	25465		2238	16.20
	6/15/2019	2039201	25413		2238	14.53
	6/15/2019	2039216	4439		2238	16.64
	6/15/2019	2039243	25614		2238	19.00
	6/15/2019	2039255	444		2238	16.43
	6/15/2019	2039257	25465		2238	18.83
	6/15/2019	2039263	25413		2238	7.68
	6/17/2019	2039424	25614		2238	6.98
	6/17/2019	2039549	25413		2238	12.92
	6/17/2019	2039567	25465		2238	17.89
	6/17/2019	2039620	350		2238	18.35
	6/17/2019	2039628	25614		2238	17.53
	6/17/2019	2039658	25413		2238	9.45
	6/17/2019	2039672	444		2238	18.79
	6/17/2019	2039679	25465		2238	13.78
	6/17/2019	2039683	25614		2238	4.87
	6/18/2019	2039929	25413		2238	15.39
	6/18/2019	2039937	444		2238	21.21
	6/18/2019	2039966	25614		2238	19.30
	6/18/2019	2039967	25465		2238	19.73
	6/18/2019	2040031	350		2238	18.44
	6/18/2019	2040073	25413		2238	12.93
	6/18/2019	2040093	444		2238	8.53
	6/18/2019	2040104	25614		2238	10.97
	6/19/2019	2040310	25465		2238	13.25
	6/19/2019	2040425	25614		2238	17.22
	6/19/2019	2040435	4417		2238	15.32
	6/19/2019	2040442	444		2238	19.99
	6/19/2019	2040443	25465		2238	18.05
	6/19/2019	2040488	25614		2238	10.16
	6/19/2019	2040490	444		2238	5.69
	6/19/2019	2040491	25465		2238	9.29
	6/19/2019	2040492	4417		2238	10.68
8000843 / CITY OF PASSAIC						558.19
8000849 / ACTION CART-FED RES NY 13253						
	6/17/2019	2039668	26432		2016	10.00
8000849 / ACTION CART-FED RES NY 13253						10.00

	Date	Ticket #	Truck Decal	Origin	Tons
8000850 / LOUIS T. ROSELLE	6/17/2019	2039609	766	2076	2.07
8000850 / LOUIS T. ROSELLE					2.07
8000851 / WM ROYAL CARIBBEAN DRY WASTE 13529	6/14/2019	2039070	9286	2069	6.43
	6/14/2019	2039084	9286	2069	1.47
	6/14/2019	2039090	9286	2069	3.58
	6/15/2019	2039311	9746	2069	9.14
	6/15/2019	2039323	9746	2069	7.69
	6/17/2019	2039740	9286	2069	7.60
	6/18/2019	2039759	9286	2069	6.44
8000851 / WM ROYAL CARIBBEAN DRY WASTE 13529					42.35
8000852 / WM ROYAL CARIBBEAN APHIS 13528	6/14/2019	2039005	9286	2157	3.58
	6/14/2019	2039054	9286	2157	5.86
	6/15/2019	2039293	9746	2157	2.87
	6/17/2019	2039696	9286	2157	4.35
	6/17/2019	2039719	9286	2157	3.38
8000852 / WM ROYAL CARIBBEAN APHIS 13528					20.04
8000853 / BASSO-LITTLE FALLS	6/14/2019	2038935	6789	2172	15.19
	6/14/2019	2038966	6776	2172	10.60
	6/17/2019	2039562	6789	2172	14.03
	6/17/2019	2039576	6776	2172	11.75
	6/18/2019	2039992	6789	2172	14.28
	6/19/2019	2040287	6776	2172	14.09
8000853 / BASSO-LITTLE FALLS					79.94
8000854 / COAST TO COAST SERVICES 9954	6/14/2019	2039044	9149	2157	0.82
	6/14/2019	2039045	9149	2157	0.09
	6/15/2019	2039277	9149	2157	1.77
	6/18/2019	2040091	9149	2157	0.44
	6/18/2019	2040134	9149	2157	1.22
8000854 / COAST TO COAST SERVICES 9954					4.34
8000861 / ACTION CARTING #12209	6/18/2019	2039978	3499	2157	11.14
8000861 / ACTION CARTING #12209					11.14
8000864 / CALI/EP	6/18/2019	2039817	6270	2018	9.78
	6/18/2019	2039869	6291	2018	8.82
8000864 / CALI/EP					18.60
8000866 / ADVANCED CONTAINER SERVICE	6/19/2019	2040284	10188	2235	5.92
	6/19/2019	2040321	10188	2235	13.45
	6/19/2019	2040441	10188	2235	3.76
8000866 / ADVANCED CONTAINER SERVICE					23.13
8000875 / BOROUGH OF FRANKLIN LAKES - ESSEX	6/15/2019	2039167	18712	2025	6.21
	6/15/2019	2039226	10401	2025	15.68
	6/17/2019	2039681	10428	2025	13.05
	6/18/2019	2039852	18712	2025	16.04
	6/18/2019	2040121	10428	2025	12.12
	6/19/2019	2040290	18712	2025	14.47
8000875 / BOROUGH OF FRANKLIN LAKES - ESSEX					77.57
8000876 / BOROUGH OF OAKLAND	6/14/2019	2039036	868	2226	11.58
	6/14/2019	2039037	26723	2226	12.47
	6/17/2019	2039416	851	2226	7.00
	6/17/2019	2039666	868	2226	15.96
	6/18/2019	2039856	851	2226	10.93
	6/18/2019	2040082	868	2226	17.91
	6/18/2019	2040084	851	2226	17.15
8000876 / BOROUGH OF OAKLAND					93.00

	Date	Ticket #	Truck Decal	Origin	Tons
8000877 / TWSP OF WYCKOFF - ESSEX					
	6/17/2019	2039427	10440	2328	12.52
	6/17/2019	2039443	10426	2328	4.74
	6/17/2019	2039447	10448	2328	11.57
	6/17/2019	2039464	10445	2328	4.68
	6/18/2019	2039846	10405	2328	14.34
	6/18/2019	2039848	10436	2328	13.59
	6/19/2019	2040292	10448	2328	12.05
	6/19/2019	2040299	10422	2328	12.68
8000877 / TWSP OF WYCKOFF - ESSEX					86.17
8000891 / NORTHSTAR MARS COMPACTOR 13420					
	6/18/2019	2039948	1004	2140	1.75
	6/19/2019	2040351	1004	2140	1.69
	6/19/2019	2040426	1004	2140	1.92
8000891 / NORTHSTAR MARS COMPACTOR 13420					5.36
8000893 / NORTHSTAR MARS PACKER TRASH13420P					
	6/14/2019	2038892	1003	2140	8.86
8000893 / NORTHSTAR MARS PACKER TRASH13420P					8.86
8000903 / IESI Waste Connetions of NY Inc 13149 - APHIS					
	6/18/2019	2039836	10220	2157	8.66
8000903 / IESI Waste Connetions of NY Inc 13149					8.66
8999999 / NYC DOS					
	6/14/2019	2038760	23Y 203	1985	7.26
	6/14/2019	2038761	23Y 103	1985	6.89
	6/14/2019	2038762	25DN737	1985	10.95
	6/14/2019	2038763	23Y 403	1985	3.34
	6/14/2019	2038764	25DN001	1979	12.59
	6/14/2019	2038765	25DN525	1976	13.28
	6/14/2019	2038766	25DN401	1982	12.89
	6/14/2019	2038767	23Y 202	1978	5.22
	6/14/2019	2038768	23Z 103	1985	6.66
	6/14/2019	2038769	25DN601	1982	10.35
	6/14/2019	2038770	23Y 402	1978	8.73
	6/14/2019	2038771	25DD908	1982	13.14
	6/14/2019	2038773	25DD541	1978	13.96
	6/14/2019	2038774	25DN025	1982	10.21
	6/14/2019	2038775	25DD211	1979	13.04
	6/14/2019	2038776	23Y 404	1985	7.96
	6/14/2019	2038777	25DF224	1982	10.21
	6/14/2019	2038778	25DD535	1987	13.08
	6/14/2019	2038779	25DD214	1987	10.25
	6/14/2019	2038781	23Y 403	1985	9.21
	6/14/2019	2038782	25DN108	1978	10.15
	6/14/2019	2038783	23Y 401	1978	6.07
	6/14/2019	2038784	23Y 402	1978	8.35
	6/14/2019	2038786	25DD798	1982	10.34
	6/14/2019	2038787	23Y 203	1985	4.15
	6/14/2019	2038788	25DD613	1982	10.58
	6/14/2019	2038789	23Z 103	1985	7.10
	6/14/2019	2038790	25DD219	1985	5.83
	6/14/2019	2038791	23Y 202	1978	0.92
	6/14/2019	2038793	25DD594	1987	11.71
	6/14/2019	2038794	25DE418	1976	2.47
	6/14/2019	2038795	23Y 404	1985	5.15
	6/14/2019	2038797	25DF153	1982	11.70
	6/14/2019	2038799	25DD708	1977	8.33
	6/14/2019	2038801	25DN730	1977	9.85
	6/14/2019	2038803	23Z 103	1985	8.43
	6/14/2019	2038804	23Y 103	1985	4.50
	6/14/2019	2038805	23Y 203	1985	8.48
	6/14/2019	2038807	23Y 403	1985	4.47
	6/14/2019	2038808	25DD933	1978	6.31
	6/14/2019	2038809	25DF085	1979	13.31

Date	Ticket #	Truck Decal	Origin	Tons
6/14/2019	2038810	25DD561	1979	12.68
6/14/2019	2038813	25DD795	1978	6.93
6/14/2019	2038816	23Y 202	1978	7.47
6/14/2019	2038819	25DN408	1979	12.75
6/14/2019	2038820	25DH001	1976	7.42
6/14/2019	2038822	23Y 404	1985	7.53
6/14/2019	2038824	25DD008	1977	11.60
6/14/2019	2038861	23Y 101	1978	9.46
6/14/2019	2038862	23Z 002	1978	4.45
6/14/2019	2038868	23Y 102	1978	4.38
6/14/2019	2038872	23Y 203	1985	7.41
6/14/2019	2038876	25DD501	1984	11.05
6/14/2019	2038881	24AB001	1979	7.73
6/14/2019	2038883	25DN402	1977	8.49
6/14/2019	2038884	25DN624	1984	9.93
6/14/2019	2038886	25DN623	1984	8.14
6/14/2019	2038887	25DK203	1984	11.05
6/14/2019	2038888	25DD589	1984	11.03
6/14/2019	2038889	25DN573	1984	12.71
6/14/2019	2038897	25DN107	1977	5.78
6/14/2019	2038900	25DN461	1984	9.79
6/14/2019	2038901	24AB114	1983	13.20
6/14/2019	2038902	25DN526	1976	11.04
6/14/2019	2038909	23Y 101	1978	6.92
6/14/2019	2038911	23Z 002	1978	7.60
6/14/2019	2038914	24AA503	1979	8.87
6/14/2019	2038915	25DN730	1977	8.45
6/14/2019	2038919	25DD540	1984	8.81
6/14/2019	2038921	24AB003	1983	14.88
6/14/2019	2038922	23Y 102	1978	6.31
6/14/2019	2038927	25DN408	1979	9.82
6/14/2019	2038936	23Y 203	1985	5.62
6/14/2019	2038937	25DN555	1979	12.21
6/14/2019	2038941	25DN001	1979	9.63
6/14/2019	2038943	24AB107	1979	7.99
6/14/2019	2038973	23Z 103	1985	9.15
6/14/2019	2039050	25DN736	1985	13.14
6/14/2019	2039051	25DN483	1987	11.94
6/14/2019	2039052	25DN486	1987	12.87
6/14/2019	2039055	25DN484	1987	9.52
6/14/2019	2039056	25DD805	1987	14.74
6/14/2019	2039057	25DN221	1976	10.67
6/14/2019	2039058	25DD743	1982	9.12
6/14/2019	2039059	25DN414	1982	10.82
6/14/2019	2039060	25DN738	1985	14.73
6/14/2019	2039061	25DN403	1977	9.79
6/14/2019	2039062	25DN104	1977	10.45
6/14/2019	2039063	25DD763	1979	9.03
6/14/2019	2039064	25DF078	1979	10.04
6/14/2019	2039065	25DT073	1985	13.25
6/14/2019	2039066	25DN601	1982	11.91
6/14/2019	2039067	25DN029	1984	8.74
6/14/2019	2039068	25DN737	1985	11.15
6/14/2019	2039069	25DN405	1978	12.60
6/14/2019	2039071	25DN026	1987	10.65
6/14/2019	2039074	25DN468	1982	12.52
6/14/2019	2039075	25DD588	1987	10.13
6/14/2019	2039076	25DN416	1982	11.12
6/14/2019	2039077	25DN485	1987	11.84
6/14/2019	2039078	25DN481	1987	9.84
6/14/2019	2039079	25DN115	1987	9.73
6/14/2019	2039080	25DD572	1987	11.46
6/14/2019	2039081	25DF085	1979	14.06

Date	Ticket #	Truck Decal	Origin	Tons
6/14/2019	2039082	25DK204	1985	5.06
6/14/2019	2039083	25DD408	1982	5.39
6/14/2019	2039085	25DN022	1977	11.30
6/14/2019	2039086	25DT002	1977	9.86
6/14/2019	2039088	25DN482	1987	9.83
6/14/2019	2039091	25DN105	1987	10.34
6/15/2019	2039092	23Y 403	1985	4.72
6/15/2019	2039093	23Y 103	1985	7.59
6/15/2019	2039094	25DN525	1976	13.38
6/15/2019	2039095	23Y 101	1978	10.17
6/15/2019	2039096	25DD809	1985	11.66
6/15/2019	2039097	25DD729	1982	11.51
6/15/2019	2039098	23Y 404	1985	5.94
6/15/2019	2039099	25DN101	1977	7.42
6/15/2019	2039100	23Z 006	1985	9.09
6/15/2019	2039101	23Y 203	1985	5.57
6/15/2019	2039102	25DD211	1979	13.34
6/15/2019	2039103	25DN401	1982	11.85
6/15/2019	2039104	25DN667	1985	12.10
6/15/2019	2039105	25DT049	1982	10.95
6/15/2019	2039106	23Y 401	1978	10.00
6/15/2019	2039107	25DD579	1982	9.92
6/15/2019	2039108	23Y 402	1978	5.35
6/15/2019	2039109	25DD969	1987	7.22
6/15/2019	2039110	25DF177	1982	10.71
6/15/2019	2039111	25DD701	1982	11.99
6/15/2019	2039112	25DN674	1978	11.28
6/15/2019	2039113	25DN404	1978	12.30
6/15/2019	2039114	25DT005	1987	12.06
6/15/2019	2039115	25DN620	1977	8.11
6/15/2019	2039116	25DN024	1978	12.10
6/15/2019	2039117	25DN201	1985	14.32
6/15/2019	2039119	25DT027	1976	10.80
6/15/2019	2039120	25DD540	1985	10.51
6/15/2019	2039121	25DD107	1987	10.22
6/15/2019	2039122	25DD887	1978	11.83
6/15/2019	2039123	25DD543	1987	10.32
6/15/2019	2039124	23Y 403	1985	9.95
6/15/2019	2039125	23Y 103	1978	8.31
6/15/2019	2039126	25DD798	1982	11.51
6/15/2019	2039127	25DN614	1982	11.19
6/15/2019	2039128	25DD994	1984	9.15
6/15/2019	2039129	23Y 404	1985	7.62
6/15/2019	2039130	24AA501	1979	10.45
6/15/2019	2039131	25DD214	1987	11.86
6/15/2019	2039132	23Y 203	1985	7.50
6/15/2019	2039133	23Z 006	1985	6.41
6/15/2019	2039134	23Y 402	1978	8.67
6/15/2019	2039135	25DT001	1976	14.58
6/15/2019	2039136	25XH102	1979	8.73
6/15/2019	2039137	25DD555	1978	10.50
6/15/2019	2039138	25DN108	1978	11.79
6/15/2019	2039139	25DD613	1982	12.56
6/15/2019	2039142	25DF153	1982	12.31
6/15/2019	2039144	25DN554	1978	14.29
6/15/2019	2039145	24AB106	1978	13.31
6/15/2019	2039146	23Y 404	1985	5.62
6/15/2019	2039147	25DD722	1979	10.90
6/15/2019	2039148	23Y 403	1985	5.19
6/15/2019	2039150	23Y 103	1985	6.15
6/15/2019	2039151	23Z 006	1985	5.06
6/15/2019	2039154	25DD998	1982	7.73
6/15/2019	2039156	23Y 402	1978	7.00

Date	Ticket #	Truck Decal	Origin	Tons
6/15/2019	2039157	25DD766	1987	9.76
6/15/2019	2039186	23Z 101	1978	8.87
6/15/2019	2039190	23Z 002	1978	6.13
6/15/2019	2039192	23Y 401	1978	5.72
6/15/2019	2039202	24AB001	1979	7.33
6/15/2019	2039206	25DN408	1979	13.67
6/15/2019	2039207	24AA503	1979	9.92
6/15/2019	2039208	24AB106	1978	9.57
6/15/2019	2039214	25DD994	1984	10.88
6/15/2019	2039218	25DN624	1984	9.53
6/15/2019	2039219	25DD508	1979	12.00
6/15/2019	2039221	23Y 203	1985	7.03
6/15/2019	2039222	25DD589	1984	12.10
6/15/2019	2039223	25DN107	1977	9.39
6/15/2019	2039224	24AB114	1983	11.19
6/15/2019	2039225	25DD957	1984	10.72
6/15/2019	2039228	25DN461	1984	11.06
6/15/2019	2039230	25DN104	1977	6.35
6/15/2019	2039232	24AB107	1979	11.24
6/15/2019	2039233	25DN573	1984	11.92
6/15/2019	2039234	23Y 103	1985	9.20
6/15/2019	2039236	23Y 401	1978	7.72
6/15/2019	2039241	25DK203	1984	10.48
6/15/2019	2039278	25DD613	1982	14.17
6/15/2019	2039279	25DD543	1987	11.06
6/15/2019	2039280	25DN730	1977	12.98
6/15/2019	2039281	25DN402	1977	10.24
6/15/2019	2039282	25DD008	1977	5.87
6/15/2019	2039283	25DN553	1978	13.71
6/15/2019	2039284	25DN736	1985	10.73
6/15/2019	2039285	25DN029	1978	3.65
6/15/2019	2039286	25DD219	1982	12.74
6/15/2019	2039287	25DT051	1985	12.13
6/15/2019	2039288	25DD791	1979	6.56
6/15/2019	2039289	25DN482	1987	13.49
6/15/2019	2039290	25DD887	1978	12.97
6/15/2019	2039291	25DN105	1977	12.84
6/15/2019	2039292	25DD936	1987	8.70
6/15/2019	2039295	25DN405	1978	13.67
6/15/2019	2039296	25DN115	1982	10.46
6/15/2019	2039297	25DN201	1985	12.47
6/15/2019	2039298	25DN486	1987	9.60
6/15/2019	2039299	25XH102	1982	6.07
6/15/2019	2039300	25DT108	1986	5.57
6/15/2019	2039301	25DN615	1982	10.50
6/15/2019	2039302	25DN221	1976	12.74
6/15/2019	2039303	25DT002	1977	12.39
6/15/2019	2039304	25DK205	1987	8.62
6/15/2019	2039305	25DN022	1977	10.83
6/15/2019	2039306	25DK204	1985	8.35
6/15/2019	2039307	25DD708	1977	2.50
6/15/2019	2039308	25DN738	1985	9.19
6/15/2019	2039309	25DN484	1987	12.06
6/15/2019	2039310	25DF078	1979	7.49
6/15/2019	2039312	25DN737	1985	9.56
6/15/2019	2039313	25DD715	1978	6.24
6/15/2019	2039314	25DN525	1976	12.45
6/15/2019	2039315	25DD933	1978	10.07
6/15/2019	2039316	25DN483	1987	8.47
6/15/2019	2039317	25DD107	1987	9.07
6/15/2019	2039318	25DD809	1977	11.34
6/15/2019	2039319	25DN414	1982	12.52
6/15/2019	2039320	25DN481	1987	14.98

Date	Ticket #	Truck Decal	Origin	Tons
6/15/2019	2039322	25DN485	1987	14.31
6/15/2019	2039324	25DD781	1987	8.54
6/17/2019	2039326	23Z 101	1978	10.03
6/17/2019	2039327	23Y 403	1985	6.98
6/17/2019	2039329	23Z 006	1985	10.78
6/17/2019	2039330	23Y 103	1985	5.87
6/17/2019	2039331	23Z 002	1978	10.97
6/17/2019	2039332	23Y 404	1985	10.85
6/17/2019	2039334	23Y 401	1978	8.02
6/17/2019	2039336	25DD579	1982	11.22
6/17/2019	2039337	25DN413	1982	14.05
6/17/2019	2039338	23Y 202	1978	4.66
6/17/2019	2039339	25DD798	1982	13.84
6/17/2019	2039340	23Y 102	1978	10.34
6/17/2019	2039342	25DN601	1982	9.92
6/17/2019	2039343	23Y 003	1978	4.67
6/17/2019	2039344	25DD882	1976	12.29
6/17/2019	2039345	25DN106	1977	6.77
6/17/2019	2039346	25DN554	1978	12.27
6/17/2019	2039347	25DD001	1976	10.41
6/17/2019	2039348	25DT049	1982	10.07
6/17/2019	2039349	25DN614	1982	9.59
6/17/2019	2039350	25DD588	1987	10.98
6/17/2019	2039351	25DD729	1982	11.00
6/17/2019	2039352	25DN674	1978	9.44
6/17/2019	2039353	23Y 403	1985	8.64
6/17/2019	2039356	25DN108	1978	13.17
6/17/2019	2039359	23Z 002	1978	7.67
6/17/2019	2039361	25DD555	1978	9.81
6/17/2019	2039362	25DN736	1985	8.63
6/17/2019	2039363	25DD908	1982	11.61
6/17/2019	2039364	23Z 006	1985	8.64
6/17/2019	2039365	23Y 103	1985	2.29
6/17/2019	2039366	23Y 102	1978	7.63
6/17/2019	2039367	25DN526	1976	12.94
6/17/2019	2039368	23Y 401	1978	7.74
6/17/2019	2039369	23Y 404	1985	6.42
6/17/2019	2039370	25DN468	1982	10.77
6/17/2019	2039371	25DF153	1982	11.67
6/17/2019	2039372	25DD599	1977	6.30
6/17/2019	2039373	25DD978	1982	8.32
6/17/2019	2039374	25DD508	1979	12.58
6/17/2019	2039375	23Y 202	1978	7.48
6/17/2019	2039376	25DN667	1985	11.15
6/17/2019	2039377	25DD211	1979	8.46
6/17/2019	2039380	25DN555	1979	10.54
6/17/2019	2039382	25DD975	1985	3.74
6/17/2019	2039383	25DN201	1985	3.57
6/17/2019	2039385	25DN401	1982	13.84
6/17/2019	2039386	25DD572	1987	10.54
6/17/2019	2039387	25DD922	1979	10.74
6/17/2019	2039389	23Y 404	1985	7.11
6/17/2019	2039390	23Z 006	1985	3.75
6/17/2019	2039391	23Y 403	1985	6.96
6/17/2019	2039393	23Y 103	1985	4.96
6/17/2019	2039394	25DD964	1985	5.54
6/17/2019	2039396	23Z 002	1978	10.21
6/17/2019	2039397	25DN404	1978	12.65
6/17/2019	2039399	25DN101	1976	12.67
6/17/2019	2039400	23Y 401	1978	8.94
6/17/2019	2039401	25DD795	1978	3.65
6/17/2019	2039402	25DT103	1978	3.20
6/17/2019	2039404	25DD541	1978	10.60

Date	Ticket #	Truck Decal	Origin	Tons
6/17/2019	2039406	23Y 202	1978	9.90
6/17/2019	2039407	23Y 003	1985	5.80
6/17/2019	2039455	23Y 202	1978	7.75
6/17/2019	2039467	23Z 002	1978	11.91
6/17/2019	2039469	23Y 203	1985	6.73
6/17/2019	2039474	23Z 101	1978	11.50
6/17/2019	2039484	25DN624	1984	9.40
6/17/2019	2039485	24AB106	1978	11.30
6/17/2019	2039486	25DN402	1977	6.93
6/17/2019	2039487	23Z 103	1985	11.56
6/17/2019	2039488	25DD957	1984	8.44
6/17/2019	2039490	25DK203	1984	9.46
6/17/2019	2039491	25DD589	1984	8.92
6/17/2019	2039493	25DD501	1984	9.17
6/17/2019	2039494	25DN573	1984	8.49
6/17/2019	2039496	25DN461	1984	6.32
6/17/2019	2039497	25DD615	1984	8.30
6/17/2019	2039501	24AB003	1983	7.56
6/17/2019	2039503	25DD994	1984	9.14
6/17/2019	2039506	25DD757	1984	6.00
6/17/2019	2039507	25DN408	1979	12.22
6/17/2019	2039508	25DN623	1984	8.74
6/17/2019	2039513	24AB001	1979	8.37
6/17/2019	2039516	25DD504	1977	9.64
6/17/2019	2039520	24AA503	1979	10.90
6/17/2019	2039525	25DN106	1977	8.77
6/17/2019	2039526	25DN730	1977	7.49
6/17/2019	2039527	23Y 202	1978	8.62
6/17/2019	2039529	24AB114	1983	11.69
6/17/2019	2039531	25DN601	1982	10.00
6/17/2019	2039532	25DD508	1979	11.49
6/17/2019	2039533	24AB107	1979	8.53
6/17/2019	2039537	23Z 002	1978	6.46
6/17/2019	2039544	25DD408	1979	10.35
6/17/2019	2039545	24AA501	1979	8.98
6/17/2019	2039555	25DN107	1977	7.66
6/17/2019	2039558	25DN553	1979	10.43
6/17/2019	2039565	23Z 103	1985	6.97
6/17/2019	2039687	25DD887	1978	12.01
6/17/2019	2039688	25DD986	1978	11.60
6/17/2019	2039689	25DN221	1976	10.85
6/17/2019	2039690	25DN486	1987	9.12
6/17/2019	2039691	25DN526	1976	12.05
6/17/2019	2039692	25DD522	1985	11.66
6/17/2019	2039693	25DT133	1985	10.45
6/17/2019	2039694	25DT051	1985	8.88
6/17/2019	2039697	25DN525	1976	13.94
6/17/2019	2039698	25DN416	1982	10.81
6/17/2019	2039699	25DF078	1979	15.36
6/17/2019	2039700	25DN415	1982	3.06
6/17/2019	2039701	25DD729	1982	12.04
6/17/2019	2039702	25DT002	1977	9.96
6/17/2019	2039703	25DD515	1977	7.12
6/17/2019	2039704	25DN104	1977	10.42
6/17/2019	2039705	25DD882	1976	10.09
6/17/2019	2039706	25DD809	1977	8.11
6/17/2019	2039707	25DN736	1985	12.50
6/17/2019	2039708	25XH102	1979	11.78
6/17/2019	2039710	25DN674	1978	10.54
6/17/2019	2039711	25DK201	1978	11.82
6/17/2019	2039712	25DN554	1978	12.86
6/17/2019	2039713	25DN201	1985	10.48
6/17/2019	2039714	25DN667	1985	12.60

Date	Ticket #	Truck Decal	Origin	Tons
6/17/2019	2039715	24AB019	1978	9.60
6/17/2019	2039716	25DT005	1987	11.47
6/17/2019	2039717	25DN405	1978	10.72
6/17/2019	2039718	25DN026	1987	10.69
6/17/2019	2039720	25DD214	1984	3.58
6/17/2019	2039721	25DD891	1978	10.32
6/17/2019	2039722	25DN618	1979	12.99
6/17/2019	2039723	25DN614	1982	10.91
6/17/2019	2039724	25DD975	1985	13.65
6/17/2019	2039725	25DD781	1977	5.64
6/17/2019	2039726	25DN414	1982	11.02
6/17/2019	2039727	25DD555	1978	10.34
6/17/2019	2039728	25DN468	1982	9.06
6/17/2019	2039730	25DD901	1977	5.97
6/17/2019	2039731	25DD766	1987	6.23
6/17/2019	2039732	25DN482	1987	14.18
6/17/2019	2039734	25DN022	1977	12.79
6/17/2019	2039737	25DT027	1977	2.80
6/17/2019	2039738	25DN406	1979	14.48
6/18/2019	2039742	23Y 203	1985	9.21
6/18/2019	2039743	23Y 404	1985	6.09
6/18/2019	2039744	23Y 103	1978	7.40
6/18/2019	2039745	25DT103	1978	3.88
6/18/2019	2039746	23Z 006	1985	8.39
6/18/2019	2039747	25DN555	1979	7.85
6/18/2019	2039748	23Z 103	1985	5.50
6/18/2019	2039749	25DN737	1985	9.72
6/18/2019	2039750	25DN404	1978	11.00
6/18/2019	2039751	23Y 202	1978	8.49
6/18/2019	2039752	25DN108	1978	4.80
6/18/2019	2039753	25DN401	1982	10.50
6/18/2019	2039754	23Y 003	1985	7.06
6/18/2019	2039755	25DN738	1985	9.56
6/18/2019	2039756	25DN729	1982	11.41
6/18/2019	2039757	25DD736	1978	8.15
6/18/2019	2039758	25DN480	1986	14.05
6/18/2019	2039760	25DN619	1982	9.43
6/18/2019	2039761	25DN481	1987	10.41
6/18/2019	2039762	25DD743	1982	5.76
6/18/2019	2039763	25DN413	1982	10.26
6/18/2019	2039764	23Z 002	1978	7.63
6/18/2019	2039765	25DN115	1987	10.94
6/18/2019	2039766	25DD990	1982	3.67
6/18/2019	2039767	25DD908	1982	10.56
6/18/2019	2039768	25DN485	1987	10.45
6/18/2019	2039769	23Y 102	1978	8.40
6/18/2019	2039770	25DD572	1987	11.10
6/18/2019	2039771	23Z 006	1985	9.59
6/18/2019	2039772	25DD107	1987	9.25
6/18/2019	2039773	25DN766	1978	12.00
6/18/2019	2039774	23Y 404	1985	6.22
6/18/2019	2039775	25DD027	1978	10.52
6/18/2019	2039776	25DD933	1978	9.16
6/18/2019	2039777	23Z 101	1978	8.43
6/18/2019	2039778	23Y 203	1985	10.05
6/18/2019	2039779	25DT004	1987	12.66
6/18/2019	2039780	25DK205	1987	12.17
6/18/2019	2039781	25DN615	1982	9.91
6/18/2019	2039782	25DN484	1987	10.84
6/18/2019	2039783	25DD543	1987	9.80
6/18/2019	2039784	23Y 202	1978	5.75
6/18/2019	2039785	23Y 103	1978	10.23
6/18/2019	2039786	25DD969	1987	9.34

Date	Ticket #	Truck Decal	Origin	Tons
6/18/2019	2039787	25DD579	1982	10.96
6/18/2019	2039788	25DD881	1987	12.59
6/18/2019	2039789	25DD964	1985	12.37
6/18/2019	2039790	25DN408	1979	13.24
6/18/2019	2039791	23Z 103	1985	7.81
6/18/2019	2039792	25DT127	1982	5.87
6/18/2019	2039793	23Y 003	1985	6.81
6/18/2019	2039794	25DD798	1982	11.68
6/18/2019	2039797	25DD008	1977	7.71
6/18/2019	2039798	25DH001	1982	9.43
6/18/2019	2039799	25DD301	1987	10.29
6/18/2019	2039800	25DD978	1982	6.56
6/18/2019	2039801	25DT049	1982	12.91
6/18/2019	2039802	23Y 102	1978	9.13
6/18/2019	2039806	25DD936	1987	11.95
6/18/2019	2039808	25DD996	1987	10.68
6/18/2019	2039809	25DD306	1982	8.79
6/18/2019	2039810	25DN001	1979	13.15
6/18/2019	2039811	25DD588	1987	11.06
6/18/2019	2039812	25DN002	1982	11.58
6/18/2019	2039814	23Y 003	1985	7.08
6/18/2019	2039815	25DN483	1987	11.04
6/18/2019	2039819	25DD504	1976	13.42
6/18/2019	2039822	23Z 006	1985	8.18
6/18/2019	2039823	23Y 402	1978	8.18
6/18/2019	2039824	25DD897	1987	9.71
6/18/2019	2039825	23Z 103	1985	10.01
6/18/2019	2039826	23Y 103	1978	10.45
6/18/2019	2039827	23Y 404	1985	5.20
6/18/2019	2039828	25DD219	1985	6.55
6/18/2019	2039830	25DN105	1987	10.87
6/18/2019	2039832	25DF253	1978	6.97
6/18/2019	2039833	25DD619	1978	9.98
6/18/2019	2039837	25DN109	1978	11.53
6/18/2019	2039839	25DD795	1978	10.37
6/18/2019	2039842	25DF085	1979	7.61
6/18/2019	2039844	25DD029	1979	9.75
6/18/2019	2039857	23Y 102	1978	6.48
6/18/2019	2039879	25DD540	1982	10.26
6/18/2019	2039901	23Y 404	1985	7.18
6/18/2019	2039903	23Z 002	1978	8.98
6/18/2019	2039906	23Z 006	1985	6.22
6/18/2019	2039910	23Z 101	1978	7.24
6/18/2019	2039921	23Z 103	1985	7.28
6/18/2019	2039925	25DD515	1977	7.03
6/18/2019	2039927	23Y 103	1978	8.84
6/18/2019	2039928	25DN623	1984	7.90
6/18/2019	2039930	25DN618	1979	14.12
6/18/2019	2039931	25DD589	1984	11.91
6/18/2019	2039932	25DD501	1984	11.98
6/18/2019	2039934	25DN624	1984	11.17
6/18/2019	2039935	25DN461	1984	8.94
6/18/2019	2039936	25DN573	1984	10.54
6/18/2019	2039940	24AA503	1979	10.63
6/18/2019	2039941	25DN104	1977	7.47
6/18/2019	2039942	24AB001	1979	10.20
6/18/2019	2039946	25DN107	1977	10.00
6/18/2019	2039947	25DD615	1984	11.31
6/18/2019	2039951	23Y 404	1985	4.82
6/18/2019	2039952	24AB107	1979	8.99
6/18/2019	2039955	25DD994	1984	10.52
6/18/2019	2039959	24AB114	1983	11.97
6/18/2019	2039961	24AB003	1983	12.23

Date	Ticket #	Truck Decal	Origin	Tons
6/18/2019	2039962	25DD901	1977	7.97
6/18/2019	2039963	23Z 002	1978	9.94
6/18/2019	2039964	25DF085	1979	12.87
6/18/2019	2039968	25DN406	1979	11.53
6/18/2019	2039974	25DN408	1979	13.46
6/18/2019	2039976	25DD757	1984	10.63
6/18/2019	2039983	25DN555	1979	14.29
6/18/2019	2039990	23Z 103	1985	9.98
6/18/2019	2040001	25DD957	1984	9.31
6/18/2019	2040003	23Y 103	1978	6.35
6/18/2019	2040055	25DN525	1976	13.49
6/18/2019	2040056	25DN221	1976	11.41
6/18/2019	2040122	25DN526	1976	13.83
6/18/2019	2040124	25DF078	1979	7.39
6/18/2019	2040125	25DN674	1978	10.55
6/18/2019	2040126	25DD933	1977	4.94
6/18/2019	2040127	25DD403	1982	9.26
6/18/2019	2040128	25DN619	1976	12.24
6/18/2019	2040129	25DN021	1976	4.94
6/18/2019	2040130	25DD211	1982	13.46
6/18/2019	2040131	25DD729	1979	10.55
6/18/2019	2040132	25DD579	1982	10.26
6/18/2019	2040133	25DD798	1982	12.40
6/18/2019	2040135	25DD555	1978	10.36
6/18/2019	2040136	25DD795	1987	8.86
6/18/2019	2040137	25DD572	1987	10.37
6/18/2019	2040138	25DN026	1983	9.55
6/18/2019	2040139	25DT133	1985	11.09
6/18/2019	2040140	25DD522	1978	12.38
6/18/2019	2040141	25DT001	1976	12.31
6/18/2019	2040142	25DT002	1977	10.45
6/18/2019	2040144	25DN001	1979	11.77
6/18/2019	2040145	25DK301	1976	8.89
6/18/2019	2040146	25DD763	1985	8.45
6/18/2019	2040147	25DN553	1978	12.53
6/18/2019	2040148	25DN002	1983	9.53
6/18/2019	2040149	25DD219	1982	11.50
6/18/2019	2040150	25DT127	1982	11.54
6/18/2019	2040151	25DN468	1982	9.79
6/18/2019	2040152	25DN028	1984	6.47
6/18/2019	2040153	25DN415	1982	11.45
6/18/2019	2040154	25DN413	1982	12.35
6/18/2019	2040155	25DN730	1977	11.39
6/18/2019	2040156	25DN022	1977	11.48
6/18/2019	2040157	25DN405	1978	10.72
6/18/2019	2040158	25DK201	1985	10.67
6/18/2019	2040159	25DN738	1985	10.16
6/18/2019	2040160	25DD887	1978	11.43
6/18/2019	2040161	25DF153	1982	11.27
6/18/2019	2040162	25DD978	1982	12.06
6/18/2019	2040164	25DN404	1978	11.74
6/18/2019	2040165	25DT049	1982	10.77
6/18/2019	2040166	25DT027	1977	13.53
6/18/2019	2040167	25DN482	1987	14.43
6/18/2019	2040168	25DD543	1987	10.84
6/18/2019	2040169	25DD975	1985	9.41
6/18/2019	2040170	25DK205	1987	8.88
6/18/2019	2040171	25DN108	1978	10.56
6/18/2019	2040173	25DN402	1977	11.26
6/18/2019	2040175	25DD743	1982	10.50
6/18/2019	2040176	25DN484	1987	11.13
6/18/2019	2040177	25DD908	1977	7.95
6/18/2019	2040178	25DD809	1977	10.83

Date	Ticket #	Truck Decal	Origin	Tons
6/18/2019	2040179	25DN736	1985	10.93
6/18/2019	2040180	25DN481	1987	10.20
6/18/2019	2040181	25DN614	1982	11.58
6/18/2019	2040182	25DN201	1985	11.77
6/18/2019	2040183	25DD214	1987	11.16
6/18/2019	2040184	25DD781	1987	1.45
6/18/2019	2040185	25DN414	1982	10.70
6/19/2019	2040190	23Y 402	1978	7.97
6/19/2019	2040191	23Y 203	1985	8.01
6/19/2019	2040192	25DD994	1985	14.37
6/19/2019	2040193	23Y 403	1985	6.81
6/19/2019	2040194	25DN667	1985	11.39
6/19/2019	2040195	23Y 404	1985	6.54
6/19/2019	2040196	23Z 006	1985	8.25
6/19/2019	2040197	23Z 103	1985	3.61
6/19/2019	2040198	25DN025	1979	4.90
6/19/2019	2040199	25DN554	1978	9.79
6/19/2019	2040200	25DN401	1982	13.12
6/19/2019	2040201	25DN729	1982	10.61
6/19/2019	2040202	25DN737	1985	8.32
6/19/2019	2040203	25DN615	1982	11.12
6/19/2019	2040204	23Z 002	1978	7.13
6/19/2019	2040205	25DN416	1982	10.65
6/19/2019	2040206	25DD722	1979	5.73
6/19/2019	2040207	25DD708	1977	7.33
6/19/2019	2040208	25DD775	1987	11.75
6/19/2019	2040209	23Y 202	1978	9.81
6/19/2019	2040210	25DN105	1987	12.27
6/19/2019	2040212	25DD619	1978	10.99
6/19/2019	2040213	23Y 102	1978	7.23
6/19/2019	2040214	25DN486	1987	10.76
6/19/2019	2040215	25DN485	1987	12.20
6/19/2019	2040216	25DD107	1987	12.73
6/19/2019	2040217	25DF106	1976	7.12
6/19/2019	2040219	23Z 101	1978	6.79
6/19/2019	2040220	23Y 403	1985	6.61
6/19/2019	2040221	23Y 402	1978	8.79
6/19/2019	2040222	23Y 404	1985	6.86
6/19/2019	2040223	25DD996	1987	10.37
6/19/2019	2040224	23Z 006	1985	5.74
6/19/2019	2040225	23Z 103	1985	9.84
6/19/2019	2040226	25DD877	1987	11.12
6/19/2019	2040227	25DD588	1987	11.16
6/19/2019	2040228	23Y 202	1978	6.96
6/19/2019	2040229	23Z 002	1978	9.83
6/19/2019	2040230	25DD943	1982	5.62
6/19/2019	2040232	25DN104	1977	8.71
6/19/2019	2040233	25DN106	1977	7.80
6/19/2019	2040234	25DF153	1982	10.71
6/19/2019	2040235	25DD990	1979	3.10
6/19/2019	2040236	25DD964	1985	4.36
6/19/2019	2040237	25DN405	1978	8.71
6/19/2019	2040239	25DK205	1987	7.31
6/19/2019	2040240	25DF177	1982	8.26
6/19/2019	2040244	23Y 102	1978	6.85
6/19/2019	2040245	25DN404	1978	10.45
6/19/2019	2040247	25DD805	1987	9.37
6/19/2019	2040249	25DD555	1979	13.61
6/19/2019	2040250	23Y 203	1985	5.84
6/19/2019	2040251	25DN484	1987	7.44
6/19/2019	2040252	23Y 404	1985	7.01
6/19/2019	2040253	25DD522	1985	9.68
6/19/2019	2040254	25DN115	1987	7.56

Date	Ticket #	Truck Decal	Origin	Tons
6/19/2019	2040255	23Y 403	1985	6.85
6/19/2019	2040256	25DD881	1987	9.71
6/19/2019	2040258	23Z 103	1985	6.93
6/19/2019	2040259	25DN553	1979	10.21
6/19/2019	2040262	25DD891	1978	7.87
6/19/2019	2040265	25DD798	1982	10.17
6/19/2019	2040267	25XH102	1979	8.33
6/19/2019	2040274	25DN107	1977	8.70
6/19/2019	2040275	25DD969	1987	9.15
6/19/2019	2040276	25DN026	1987	7.99
6/19/2019	2040281	25DN483	1987	11.59
6/19/2019	2040283	23Y 102	1978	11.21
6/19/2019	2040325	23Y 402	1978	5.84
6/19/2019	2040340	23Z 103	1985	6.89
6/19/2019	2040347	25DD508	1979	14.40
6/19/2019	2040353	23Y 203	1985	8.73
6/19/2019	2040356	25DN461	1984	6.88
6/19/2019	2040361	24AB001	1979	6.89
6/19/2019	2040362	25DN573	1984	10.84
6/19/2019	2040363	25DD615	1984	9.75
6/19/2019	2040365	24AB003	1983	11.35
6/19/2019	2040366	25DD957	1984	7.44
6/19/2019	2040367	25DN623	1984	10.91
6/19/2019	2040369	25DD589	1984	11.79
6/19/2019	2040371	23Y 402	1978	5.85
6/19/2019	2040372	24AB114	1983	12.47
6/19/2019	2040373	25DN624	1984	11.98
6/19/2019	2040374	25DN408	1979	9.19
6/19/2019	2040381	24AA503	1979	10.25
6/19/2019	2040385	25DN618	1979	11.41
6/19/2019	2040393	25DD501	1984	14.50
6/19/2019	2040396	23Z 103	1985	3.54
6/19/2019	2040398	24AB107	1979	8.70
6/19/2019	2040423	25DN001	1979	11.60
6/19/2019	2040463	25DN406	1979	12.20
6/19/2019	2040494	25DN022	1977	10.84
6/19/2019	2040495	25DT002	1977	11.16
6/19/2019	2040496	25DN738	1985	13.81
6/19/2019	2040497	25DN413	1982	9.31
6/19/2019	2040498	25DD555	1978	10.75
6/19/2019	2040500	25DN486	1987	13.41
6/19/2019	2040501	25DN761	1977	1.19
6/19/2019	2040504	25DN107	1977	9.92
6/19/2019	2040505	25DN416	1982	11.53
6/19/2019	2040506	25DN468	1982	9.40
6/19/2019	2040507	25DD729	1982	10.19
6/19/2019	2040508	25DN737	1985	13.18
6/19/2019	2040509	25DN221	1976	12.01
6/19/2019	2040510	25DN104	1977	9.84
6/19/2019	2040511	25DD791	1979	6.36
6/19/2019	2040512	24AB106	1978	16.89
6/19/2019	2040513	25DN106	1977	12.81
6/19/2019	2040514	25DN736	1985	13.03
6/19/2019	2040515	25DN029	1984	8.67
6/19/2019	2040516	25DT123	1979	8.50
6/19/2019	2040517	25DN674	1978	13.59
6/19/2019	2040518	25DN554	1978	14.02
6/19/2019	2040519	25DD887	1978	12.21
6/19/2019	2040520	25DN105	1987	12.61
6/19/2019	2040521	25DN108	1978	4.57
6/19/2019	2040522	25DN485	1987	12.54
6/19/2019	2040523	25DN414	1982	9.01
6/19/2019	2040524	25DN615	1982	10.04

Date	Ticket #	Truck Decal	Origin	Tons
6/19/2019	2040525	25DD535	1987	8.11
6/19/2019	2040526	25DT049	1982	11.76
6/19/2019	2040528	25DD763	1982	12.51
6/19/2019	2040531	25DT001	1976	15.12
6/19/2019	2040533	25DN115	1987	10.37
6/19/2019	2040534	25DN601	1982	9.08
6/19/2019	2040535	25DD704	1987	13.24
6/19/2019	2040536	25DN483	1987	12.36
6/19/2019	2040537	25DD715	1978	6.28
6/19/2019	2040538	25DD403	1977	6.20

8999999 / NYC DOS

6,576.54

Origin Codes

2215 Newark
2119 East Orange
2233 Orange
2174 Livingston
9537 Short Hills
2315 West Caldwell
2124 Fairfield
2123 Essex Fells
2089 Caldwell
2158 Irvington
2318 West Orange
2070 Belleville
2225 Nutley
2180 Maplewood
2302 Verona
2287 South Orange
2267 Roseland
2219 North Caldwell
2078 Bloomfield
2197 Montclair
2095 Cedar Grove
2138 Glen Ridge
2190 Millburn
2025 Franklin Lakes
2226 Oakland
2328 Wyckoff
2214 New York, NY
2022 Fairlawn
2018 Elmwood Park
2105 Clifton
2238 Passaic
2313 Wayne
3376 Lodi
2024 Fort Lee
2028 Hackensack
2271 Rutherford
2010 Carlstadt
2297 Totowa
2172 Little Falls
2184 Maywood
2016 East Rutherford
16075 Woodland Park
2240 Paterson
2295 Teterboro
2157 International - APHIS
2076 Bernardsville
2235 Paramus
2069 Bayonne
2140 Hackettstown

Attachment 3

**Covanta Essex Company
Operational Data for All Boilers**

Date	Unit ID	Daily Waste Processed (tons)
6/19/2019	MWC 1	952
6/19/2019	MWC 2	958
6/19/2019	MWC 3	962

Data Summary Report



Company: Covanta Essex

Newark, NJ

Data Group: All Data Groups

Report Name: No Title

Start of Report: 06/19/2019 00:00

End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G6-C1	G18-C1	G30-C1
Long Descrip.	U-1 Opaci	U-2 Opaci	U-3 Opaci
Short Descrip.	U1-6mmOpac	U2-6mmOpac	U3-6mmOpac
Units	%	%	%
Range	0-100	0-100	0-100
06/19/2019 00:00	0	0	1
06/19/2019 00:06	0	0	1
06/19/2019 00:12	0	0	1
06/19/2019 00:18	0	0	1
06/19/2019 00:24	0	0	1
06/19/2019 00:30	0	0	1
06/19/2019 00:36	0	0	1
06/19/2019 00:42	0	0	1
06/19/2019 00:48	0	0	1
06/19/2019 00:54	0	0	1
06/19/2019 01:00	0	0	1
06/19/2019 01:06	0	0	1
06/19/2019 01:12	0	0	1
06/19/2019 01:18	0	0	1
06/19/2019 01:24	0	0	1
06/19/2019 01:30	0	0	1
06/19/2019 01:36	0	0	1
06/19/2019 01:42	0	0	1
06/19/2019 01:48	0	0	1
06/19/2019 01:54	0	0	1
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06/19/2019 02:06	0	0	1
06/19/2019 02:12	0	0	1
06/19/2019 02:18	0	0	1
06/19/2019 02:24	0	0	1
06/19/2019 02:30	0	0	1
06/19/2019 02:36	0	0	1
06/19/2019 02:42	0	0	1
06/19/2019 02:48	0	0	1
06/19/2019 02:54	0	0	1
06/19/2019 03:00	0	0	1
06/19/2019 03:06	0	0	1
06/19/2019 03:12	0	0	1
06/19/2019 03:18	0	0	1
06/19/2019 03:24	0	0	1
06/19/2019 03:30	0	0	1
06/19/2019 03:36	0	0	1

Group#-Channel#	G6-C1	G18-C1	G30-C1
Long Descrip.	U-1 Opaci	U-2 Opaci	U-3 Opaci
Short Descrip.	U1-6mnOpac	U2-6mnOpac	U3-6mnOpac
Units	%	%	%
Range	0-100	0-100	0-100
06/19/2019 03:42	0	0	1
06/19/2019 03:48		0	1
06/19/2019 03:54		0	1
06/19/2019 04:00	0		
06/19/2019 04:06	0		
06/19/2019 04:12	0	0	1
06/19/2019 04:18	0	0	1
06/19/2019 04:24	0	0	1
06/19/2019 04:30	0	0	1
06/19/2019 04:36	0	0	1
06/19/2019 04:42	0	0	1
06/19/2019 04:48	0	0	1
06/19/2019 04:54	0	0	1
06/19/2019 05:00	0	0	1
06/19/2019 05:06	0	0	1
06/19/2019 05:12	0	0	1
06/19/2019 05:18	0	0	1
06/19/2019 05:24	0	0	1
06/19/2019 05:30	0	0	1
06/19/2019 05:36	0	0	1
06/19/2019 05:42	0	0	1
06/19/2019 05:48	0	0	1
06/19/2019 05:54	0	0	1
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06/19/2019 06:18	0	0	1
06/19/2019 06:24	0	0	1
06/19/2019 06:30	0	0	1
06/19/2019 06:36	0	0	1
06/19/2019 06:42	0	0	1
06/19/2019 06:48	0	0	1
06/19/2019 06:54	0	0	1
06/19/2019 07:00	0	0	1
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06/19/2019 07:18	0	0	1
06/19/2019 07:24	0	0	1
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06/19/2019 07:36	0	0	1
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06/19/2019 07:48	0	0	1
06/19/2019 07:54	0	0	1
06/19/2019 08:00	0	0	1
06/19/2019 08:06	0	0	1
06/19/2019 08:12	0	0	1
06/19/2019 08:18	0	0	1
06/19/2019 08:24	0	0	1

Group#-Channel#	G6-C1	G18-C1	G30-C1
Long Descrip.	U-1 Opaci	U-2 Opaci	U-3 Opaci
Short Descrip.	U1-6mnOpac	U2-6mnOpac	U3-6mnOpac
Units	%	%	%
Range	0-100	0-100	0-100
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06/19/2019 10:00	0	0	1
06/19/2019 10:06	0	0	1
06/19/2019 10:12	0	0	1
06/19/2019 10:18	0	0	1
06/19/2019 10:24	0	0	1
06/19/2019 10:30	0	0	1
06/19/2019 10:36	0	0	1
06/19/2019 10:42	0	0	1
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06/19/2019 11:18	0	0	1
06/19/2019 11:24	0	0	1
06/19/2019 11:30	0	0	1
06/19/2019 11:36	0	0	1
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06/19/2019 11:48	0	0	1
06/19/2019 11:54	0	0	1
06/19/2019 12:00	0	0	1
06/19/2019 12:06	0	0	1
06/19/2019 12:12	0	2	1
06/19/2019 12:18	0	12	3
06/19/2019 12:24	0	27	13
06/19/2019 12:30	1	34	20
06/19/2019 12:36	1	25	15
06/19/2019 12:42	1	32	16
06/19/2019 12:48	2	50	21
06/19/2019 12:54	3	39	39
06/19/2019 13:00	6	27	35
06/19/2019 13:06	6	23	32
06/19/2019 13:12	7	22	25

Group#-Channel#	G6-C1	G18-C1	G30-C1
Long Descrip.	U-1 Opac	U-2 Opac	U-3 Opac
Short Descrip.	U1-6mnOpac	U2-6mnOpac	U3-6mnOpac
Units	%	%	%
Range	0-100	0-100	0-100
06/19/2019 13:18	8	18	22
06/19/2019 13:24	7	16	18
06/19/2019 13:30	7	16	15
06/19/2019 13:36	7	15	16
06/19/2019 13:42	5	15	16
06/19/2019 13:48	4	12	15
06/19/2019 13:54	4	11	18
06/19/2019 14:00	3	13	17
06/19/2019 14:06	3	17	10
06/19/2019 14:12	2	26	9
06/19/2019 14:18	2	17	9
06/19/2019 14:24	2	12	10
06/19/2019 14:30	1	9	9
06/19/2019 14:36	1	6	7
06/19/2019 14:42	1	4	5
06/19/2019 14:48	1	3	4
06/19/2019 14:54	1	2	4
06/19/2019 15:00	1	2	4
06/19/2019 15:06	1	1	3
06/19/2019 15:12	1	1	3
06/19/2019 15:18	1	1	3
06/19/2019 15:24	1	1	3
06/19/2019 15:30	1	1	2
06/19/2019 15:36	1	1	2
06/19/2019 15:42	1	0	2
06/19/2019 15:48	1	0	2
06/19/2019 15:54	1	0	2
06/19/2019 16:00	1	0	2
06/19/2019 16:06	1	0	1
06/19/2019 16:12	1	0	1
06/19/2019 16:18	1	0	1
06/19/2019 16:24	1	0	1
06/19/2019 16:30	1	0	1
06/19/2019 16:36	1	0	1
06/19/2019 16:42	1	0	1
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06/19/2019 17:00	0	0	1
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06/19/2019 17:12	0	0	1
06/19/2019 17:18	1	0	1
06/19/2019 17:24	0	0	1
06/19/2019 17:30	1	0	1
06/19/2019 17:36	0	0	1
06/19/2019 17:42	0	0	1
06/19/2019 17:48	0	0	1
06/19/2019 17:54	0	0	1
06/19/2019 18:00	0	0	1

Group#-Channel#	G6-C1	G18-C1	G30-C1
Long Descrip.	U-1 Opaci	U-2 Opaci	U-3 Opaci
Short Descrip.	U1-6mnOpac	U2-6mnOpac	U3-6mnOpac
Units	%	%	%
Range	0-100	0-100	0-100
06/19/2019 18:06	0	0	1
06/19/2019 18:12	0	0	1
06/19/2019 18:18	0	0	1
06/19/2019 18:24	0	0	1
06/19/2019 18:30	0	0	1
06/19/2019 18:36	0	0	1
06/19/2019 18:42	0	0	1
06/19/2019 18:48	0	0	1
06/19/2019 18:54	0	0	1
06/19/2019 19:00	0	0	1
06/19/2019 19:06	0	0	1
06/19/2019 19:12	0	0	1
06/19/2019 19:18	0	0	1
06/19/2019 19:24	0	0	1
06/19/2019 19:30	0	0	1
06/19/2019 19:36	0	0	1
06/19/2019 19:42	0	0	1
06/19/2019 19:48	0	0	1
06/19/2019 19:54	0	0	1
06/19/2019 20:00	0	0	1
06/19/2019 20:06	0	0	1
06/19/2019 20:12	0	0	1
06/19/2019 20:18	0	0	1
06/19/2019 20:24	0	0	1
06/19/2019 20:30	0	0	1
06/19/2019 20:36	0	0	1
06/19/2019 20:42	0	0	1
06/19/2019 20:48	0	0	1
06/19/2019 20:54	0	0	1
06/19/2019 21:00	0	0	1
06/19/2019 21:06	0	0	1
06/19/2019 21:12	0	0	1
06/19/2019 21:18	0	0	1
06/19/2019 21:24	0	0	1
06/19/2019 21:30	0	0	1
06/19/2019 21:36	0	0	1
06/19/2019 21:42	0	0	1
06/19/2019 21:48	0	0	1
06/19/2019 21:54	0	0	1
06/19/2019 22:00	0	0	1
06/19/2019 22:06	0	0	1
06/19/2019 22:12	0	0	1
06/19/2019 22:18	0	0	1
06/19/2019 22:24	0	0	1
06/19/2019 22:30	0	0	1
06/19/2019 22:36	0	0	1
06/19/2019 22:42	0	0	1
06/19/2019 22:48	0	0	1

Group#-Channel#	G6-C1	G18-C1	G30-C1
Long Descrip.	U-1 Opaci	U-2 Opaci	U-3 Opaci
Short Descrip.	U1-6mnOpac	U2-6mnOpac	U3-6mnOpac
Units	%	%	%
Range	0-100	0-100	0-100
06/19/2019 22:54	0	0	1
06/19/2019 23:00	0	0	1
06/19/2019 23:06	0	0	1
06/19/2019 23:12	0	0	1
06/19/2019 23:18	0	0	1
06/19/2019 23:24	0	0	1
06/19/2019 23:30	0	0	1
06/19/2019 23:36	0	0	1
06/19/2019 23:42	0	0	1
06/19/2019 23:48	0	0	1
06/19/2019 23:54	0	0	1
Period Average =	0	2	3
Period Max Value =	8	50	39
Period Min Value =	0	0	1
Period Totals =	1.08E+2	5.13E+2	6.51E+2
Period % Recovery =	99.2	99.2	99.2

Data Summary Report



Company: Covanta Essex
 Newark, NJ
 Data Group: U-1>1 Hour Computed
 Report Name: No Title
 Start of Report: 06/19/2019 00:00
 End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G7-C23	G7-C24	G7-C25
Long Descrip.	U1 1-Hour	U1 1-Hour	U1 1-Hour
Short Descrip.	U1SO2s@7%	U1COs@7%	U1NOxs@7%
Units	ppm	ppm	ppm
Range	0-10000	0-10000	0-10000
06/19/2019 00:00	10 <	28 <	106 <
06/19/2019 01:00	5	21	107
06/19/2019 02:00	2	29	101
06/19/2019 03:00	2 <	20 <	107 <
06/19/2019 04:00	12 <	22 <	103 <
06/19/2019 05:00	5	22	103
06/19/2019 06:00	5	15	98
06/19/2019 07:00	5	30	101
06/19/2019 08:00	8	29	110
06/19/2019 09:00	4 <	13 <	95 <
06/19/2019 10:00	8	31	103
06/19/2019 11:00	0	33	98
06/19/2019 12:00	3	37	103
06/19/2019 13:00	9	25	103
06/19/2019 14:00	30	17	109
06/19/2019 15:00	20 <	28 <	104 <
06/19/2019 16:00	5	27	103
06/19/2019 17:00	5	22	100
06/19/2019 18:00	6	23	105
06/19/2019 19:00	8	22	108
06/19/2019 20:00	4	13	96
06/19/2019 21:00	8 <	19 <	111 <
06/19/2019 22:00	15	23	99
06/19/2019 23:00	14	20	98
Period Average =	8	24	103
Period Max Value =	30	37	111
Period Min Value =	0	13	95
Period Totals =	1.93E+2	5.69E+2	2.47E+3
Period % Recovery =	100.0	100.0	100.0

Data Summary Report

Company: Covanta Essex



Newark, NJ

Data Group: U-1>4 Hour Block Avg

Report Name: No Title

Start of Report: 06/19/2019 00:00

End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G9-C1	G9-C2	G9-C3	G9-C6
Long Descrip.	U1 4-Hour	U1 4-Hour	U1 4-Hour	U1 4-Hour
Short Descrip.	U1CO@7 4Hr	U1StmF14Hr	U1BHITp4Hr	U1FurTp4Hr
Units	ppm @ 7%	Klb/hr	deg F	deg F
Range	0-10000	0-300	0-500	0-2000
06/19/2019 00:00	25	238	327	1456
06/19/2019 04:00	22	240	315	1445
06/19/2019 08:00	27	231	307	1441
06/19/2019 12:00	27	215	313	1421
06/19/2019 16:00	24	237	314	1440
06/19/2019 20:00	19	246	315	1492
Period Average =	24	235	315	1449
Period Max Value =	27	246	327	1492
Period Min Value =	19	215	307	1421
Period Totals =	1.44E+2	1.40E+3	1.89E+3	8.69E+3
Period % Recovery =	100.0	100.0	100.0	100.0

Data Summary Report



Company: Covanta Essex
Newark, NJ
Data Group: U-1>24 Hour Block Av
Report Name: No Title
Start of Report: 06/19/2019 00:00
End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G11-C2	G11-C3
Long Descrip.	U1 24 Hou	U1 24 Hou
Short Descrip.	U1SO2@7 24	U1NOX@7 24
Units	ppm @ 7%	ppm @ 7%
Range	0-10000	0-10000

06/19/2019 00:00	6.2	103.0
Period Average =	6.2	103.0
Period Max Value =	6.2	103.0
Period Min Value =	6.2	103.0
Period Totals =	6.20E+0	1.03E+2
Period % Recovery =	100.0	100.0

Data Summary Report

Company: Covanta Essex



Newark, NJ

Data Group: U-2>1 Hour Computed

Report Name: No Title

Start of Report: 06/19/2019 00:00

End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G19-C23	G19-C24	G19-C25
Long Descrip.	U2 1-Hour	U2 1-Hour	U2 -1 Hour
Short Descrip.	U2SO2s@7%	U2COs@7%	U2NOxs@7%
Units	ppm	ppm	ppm
Range	0-10000	0-10000	0-10000
06/19/2019 00:00	8	23	92
06/19/2019 01:00	9	23	101
06/19/2019 02:00	3	42	102
06/19/2019 03:00	1 <	30 <	96 <
06/19/2019 04:00	0 <	36 <	107 <
06/19/2019 05:00	1 <	23 <	101 <
06/19/2019 06:00	0	18	91
06/19/2019 07:00	4	31	101
06/19/2019 08:00	9	26	102
06/19/2019 09:00	7 <	20 <	103 <
06/19/2019 10:00	8	28	114
06/19/2019 11:00	4	30	93
06/19/2019 12:00	0	71	106
06/19/2019 13:00	0	8	101
06/19/2019 14:00	13	30	109
06/19/2019 15:00	32 <	24 <	107 <
06/19/2019 16:00	11	21	102
06/19/2019 17:00	5	20	83
06/19/2019 18:00	20	25	108
06/19/2019 19:00	9	20	96
06/19/2019 20:00	14	23	107
06/19/2019 21:00	19 <	23 <	97 <
06/19/2019 22:00	28	28	101
06/19/2019 23:00	6	18	67
Period Average =	9	27	99
Period Max Value =	32	71	114
Period Min Value =	0	8	67
Period Totals =	2.11E+2	6.41E+2	2.38E+3
Period % Recovery =	100.0	100.0	100.0

Data Summary Report



Company: Covanta Essex

Newark, NJ

Data Group: U-2>4 Hour Block Avg

Report Name: No Title

Start of Report: 06/19/2019 00:00

End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G21-C1	G21-C2	G21-C3	G21-C6
Long Descrip.	U2 4-Hour	U2 4-Hour	U2 4-Hour	U2 4-Hour
Short Descrip.	U2CO@7 4Hr	U2StmF14Hr	U2BHITp4Hr	U2FurTp4Hr
Units	ppm @ 7%	Klb/hr	deg F	deg F
Range	0-10000	0-300	0-500	0-2000
06/19/2019 00:00	30	239	312	1536
06/19/2019 04:00	27	242	311	1517
06/19/2019 08:00	26	241	315	1504
06/19/2019 12:00	33	211	320	1479
06/19/2019 16:00	22	238	311	1489
06/19/2019 20:00	23	246	318	1532
Period Average =	27	236	315	1510
Period Max Value =	33	246	320	1536
Period Min Value =	22	211	311	1479
Period Totals =	1.61E+2	1.41E+3	1.88E+3	9.05E+3
Period % Recovery =	100.0	100.0	100.0	100.0

Data Summary Report

Company: Covanta Essex



Newark, NJ

Data Group: U-2>24 Hour Block Av

Report Name: No Title

Start of Report: 06/19/2019 00:00

End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G23-C2	G23-C3
Long Descrip.	U2 24 Hou	U2 24 Hou
Short Descrip.	U2SO2@7 24	U2NOX@7 24
Units	ppm @ 7%	ppm @ 7%
Range	0-10000	0-10000

06/19/2019 00:00	5.4	99.5
Period Average =	5.4	99.5
Period Max Value =	5.4	99.5
Period Min Value =	5.4	99.5
Period Totals =	5.40E+0	9.95E+1
Period % Recovery =	100.0	100.0

Data Summary Report

Company: Covanta Essex
 Newark, NJ
 Data Group: U-3>1 Hour Computed
 Report Name: No Title
 Start of Report: 06/19/2019 00:00
 End of Report: 06/19/2019 23:59



Validation: Valid Data Only

Group#-Channel#	G31-C23	G31-C24	G31-C25
Long Descrip.	U3 1-Hour	U3 1-Hour	U3 1-Hour
Short Descrip.	U3SO2s@7%	U3COs@7%	U3NOxs@7%
Units	ppm	ppm	ppm
Range	0-10000	0-10000	0-10000
06/19/2019 00:00	0	32	105
06/19/2019 01:00	0	28	105
06/19/2019 02:00	0	31	103
06/19/2019 03:00	0 <	36 <	107 <
06/19/2019 04:00	0 <	30 <	104 <
06/19/2019 05:00	0 <	23 <	83 <
06/19/2019 06:00	0	26	109
06/19/2019 07:00	0	35	110
06/19/2019 08:00	0	29	106
06/19/2019 09:00	0 <	24 <	105 <
06/19/2019 10:00	0	25	111
06/19/2019 11:00	0	37	110
06/19/2019 12:00	0	83	119
06/19/2019 13:00	0	156	101
06/19/2019 14:00	3	71	113
06/19/2019 15:00	10 <	7 <	106 <
06/19/2019 16:00	0	23	123
06/19/2019 17:00	0	29	103
06/19/2019 18:00	0	25	101
06/19/2019 19:00	0	26	106
06/19/2019 20:00	0	28	108
06/19/2019 21:00	4 <	31 <	109 <
06/19/2019 22:00	21	26	96
06/19/2019 23:00	3	29	73
Period Average =	2	37	105
Period Max Value =	21	156	123
Period Min Value =	0	7	73
Period Totals =	4.10E+1	8.90E+2	2.51E+3
Period % Recovery =	100.0	100.0	100.0

Data Summary Report

Company: Covanta Essex



Newark, NJ

Data Group: U-3>4 Hour Block Avg

Report Name: No Title

Start of Report: 06/19/2019 00:00

End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G33-C1	G33-C2	G33-C7	G33-C6
Long Descrip.	U3 4-Hour	U3 4-Hour	U3 4-Hour	U3 4-Hour
Short Descrip.	U3CO@7 4Hr	U3StmF14Hr	U3BHITp4Hr	U3FurTp4Hr
Units	ppm @ 7%	Klb/hr	deg F	deg F
Range	0-10000	0-300	0-500	0-2000
06/19/2019 00:00	32	238	313	1477
06/19/2019 04:00	29	243	312	1493
06/19/2019 08:00	29	244	312	1483
06/19/2019 12:00	79	216	320	1465
06/19/2019 16:00	26	232	315	1471
06/19/2019 20:00	29	246	312	1489
Period Average =	37	237	314	1480
Period Max Value =	79	246	320	1493
Period Min Value =	26	216	312	1465
Period Totals =	2.24E+2	1.41E+3	1.88E+3	8.87E+3
Period % Recovery =	100.0	100.0	100.0	100.0

Data Summary Report



Company: Covanta Essex
Newark, NJ
Data Group: U-3>24 Hour Block Av
Report Name: No Title
Start of Report: 06/19/2019 00:00
End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G35-C2	G35-C3
Long Descrip.	U3 24 Hou	U3 24 Hou
Short Descrip.	U3SO2@7 24	U3NOX@7 24
Units	ppm @ 7%	ppm @ 7%
Range	0-10000	0-10000

06/19/2019 00:00	1.5	104.8
Period Average =	1.5	104.8
Period Max Value =	1.5	104.8
Period Min Value =	1.5	104.8
Period Totals =	1.50E+0	1.04E+2
Period % Recovery =	100.0	100.0

Data Summary Report

Company: Covanta Essex



Newark, NJ

Data Group: All Data Groups

Report Name: No Title

Start of Report: 06/19/2019 00:00

End of Report: 06/19/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G9-C3	G21-C3	G33-C7
Long Descrip.	U1 4-Hour	U2 4-Hour	U3 4-Hour
Short Descrip.	U1BHITp4Hr	U2BHITp4Hr	U3BHITp4Hr
Units	deg F	deg F	deg F
Range	0-500	0-500	0-500
06/19/2019 00:00	327	312	313
06/19/2019 04:00	315	311	312
06/19/2019 08:00	307	315	312
06/19/2019 12:00	313	320	320
06/19/2019 16:00	314	311	315
06/19/2019 20:00	315	318	312
Period Average =	315	315	314
Period Max Value =	327	320	320
Period Min Value =	307	311	312
Period Totals =	1.89E+3	1.88E+3	1.88E+3
Period % Recovery =	100.0	100.0	100.0

Attachment 4

Covanta Essex Purple Plume Events 2014 - 2019

Date	Boiler ID	Opacity Exceedance Period	
		Start	End
12/16/2014	1	14:54	15:12
12/16/2014	2	14:42	15:18
12/21/2014	3	10:48	11:00
1/26/2015	1	17:54	18:12
1/26/2015	2	18:24	19:30
7/30/2015	1	15:06	15:24
9/2/2015	1	16:48	17:00
10/4/2015	2	23:06	23:12
10/6/2015	2	16:00	16:18
10/6/2015	3	15:36	16:12
10/12/2015	3	4:00	4:12
		6:00	6:30
10/14/2015	3	16:06	16:24
10/23/2015	2	19:06	19:12
11/10/2015	2	18:42	19:00
1/13/2016	1	16:48	17:24
5/23/2016	3	17:54	18:18
7/18/2016	1	16:36	17:00
8/3/2016	2	16:12	16:42
9/2/2016	1	5:16	8:30
12/23/2016	3	16:48	17:12
12/23/2016	2	17:12	17:36
1/4/2017	2	2:18	2:36
3/30/2017	3	20:42	20:48
4/25/2017	1	17:42	19:24
9/6/2017	1	18:12	18:18
9/20/2017	2	19:42	20:00
5/30/2018	2	16:30	16:42
9/4/2018	1	15:24	15:54
12/6/2018	3	15:12	15:30
1/14/2019	3	16:18	16:36
1/14/2019	2	16:18	18:06
1/28/2019	3	17:18	18:30
5/2/2019	2	16:06	16:12
6/3/2019	2	19:30	21:12
6/3/2019	3	19:00	19:30
6/16/2019	1	4:12	4:24
6/19/2019	2	12:18	14:30
6/19/2019	3	12:24	14:06
6/24/2019	2	1:24	1:42
6/24/2019	1	5:12	5:30

August 13, 2019

Mr. Jeffrey Meyer, Manager
NJDEP
Bureau of Air & Environmental Quality Enforcement
Northern Regional Office
7 Ridgedale Avenue
Cedar Knolls, NJ 07927

**Subject: Essex County Resource Recovery Facility
Program Interest (Title V) Number 07736
Response to Request for Information
Opacity Exceedance on August 7, 2019 (Case #19-08-07-1001-53)**

Dear Mr. Meyer:

On behalf of Covanta Essex Company, below are the responses to the request for information presented in your letter dated August 7, 2019, which was received on August 8, 2019, regarding the opacity exceedance reported on August 7, 2019.

1a. Equipment involved in the incident:

The opacity exceedances occurred on Boiler 3 on August 7, 2019.

1b. Cause of the incident:

The combustion of iodine can cause a visible plume with a purple or pinkish tint. The visible plume on August 7th had a pink tint therefore we have assumed that there was iodine in the MSW being fed to Boiler 3 which resulted in the colored plume that day. We have evaluated deliveries that week and reached out to various hospital generators however we have not been able to find the specific source of the iodine to date. Covanta Essex does not knowingly accept waste with iodine and have implemented a communications campaign with haulers and generators that identifies that iodine in waste is not acceptable.

1c. Duration of the incident:

Unit 3 had elevated opacity greater than 10% between 9:48 am and 10:12 am with an average of 12 % for that period. Four consecutive six minute average opacity readings came in above the limit of 10% with a maximum 6-minute average reading of 12%.

1d. Off-site impacts that may have resulted from this incident:

In the previous response submitted by Covanta Essex on 7/12/19 in response to the request for information received for the purple plume event on June 19, 2019, a 2-step process was conducted to enable an estimate of ground level impacts. The 1st step is an estimate of the amount of iodine present as I₂ at the stack. The 2nd step was application of dispersion modeling results to estimate the maximum

ground level impact. The event on June 19th resulted in opacity exceedances in two boilers and the opacity readings from Boilers 2 and 3 were significantly higher than what was observed during the August 7th event which only affected one boiler. Therefore, the impacts would be less than the original estimate because the plume only existed in one flue and its opacity was lower. The previous estimate was a maximum 1-hour ground level concentration of I₂ of 0.0045 parts per million and, as stated above, it is assumed the concentration from this event was lower.

1e. What steps were taken to minimize emissions caused by this incident?

There are multiple steps taken by the control room operator as part of the standard procedure to minimize the duration and extent of an iodine-based plume including;

- derating the boiler by decreasing furnace draft to a setpoint of -0.1 and reducing the steam flow setpoint by 20 klb/hr until opacity begins to decrease;
- reducing ram feeder speed to slow down the feeding of trash to the boiler to attempt to reduce the % opacity; and
- reducing slurry flow to maximize the available SO₂ in the flue gas to react with the iodine which prevents the formation of the purple/pink smoke.

A purple plume decision tree is posted in the control room to assist the control room operators to ensure the correct actions are taken. The decision tree is included as Attachment 1.

2. Records of all waste received by Covanta Essex for the four days prior to the incident, including the names and location of the waste generators and quantity of waste received.

See attached reports included as Attachment 2 of all waste received. We can only report the waste received by the registered hauler that delivers to the Covanta Essex facility. In some cases we do know the generator that the haulers are delivering from but for many of the deliveries we only know the municipality the waste is coming from and not the specific generators. That would have to be obtained from each hauler. Also, much of the waste is household waste picked up curbside.

3. Operational records for Boiler 3 for August 7, 2019 including waste charging rates, CEMS data and control device parametric monitoring data.

See attached data included as Attachment 3.

4. Estimated amount of iodine introduced into Boiler 3.

The source of the iodine in the waste that was combusted was not identified during or after this incident. All boilers were being fed from area B of the refuse pit, which is the middle section of the refuse pit. However, nothing unusual was visually identified in that area that may have been the source of the iodine. Therefore, it is unknown how much iodine was introduced into the boiler.

Mr. Jeffrey Meyer

Page 3

5. Estimated maximum concentration of iodine in the exhaust gas from Boiler 3.

See response No. 1d above.

6. Estimated mass emission rate of iodine from Boiler 3.

See response 1d above for information on the concentration of iodine in the exhaust gas from Boiler 3. Without knowing specifically what form the iodine is in, it is difficult to accurately estimate the mass emission rate of iodine from the stack.

7. Estimated mass emission rates of any other air contaminant not authorized under BOP090003.

We have no reason to believe that there were emissions of any other air contaminant not authorized under BOP090003. There were no exceedances of any other air emission limits included in BOP090003.

If you should need any additional information or have any questions, please feel free to call me at 973-817-7322 or email me at pearls@covanta.com.

Sincerely,



Patricia Earls

New Jersey Regional Environmental Manager

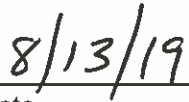
cc: Raj Gandhi, NJDEP Solid Waste Enforcement (via Email)
Scott Michenfelder, NJDEP Air Enforcement (via Email)
Yaso Sivaganesh, NJDEP Air Permitting Section (via Email)
Ted, Chleboski, NJDEP Air Permitting Section (via Email)

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"I certify under penalty of law that the information provided in this document is true, accurate, and complete. I am aware that there are significant civil and criminal penalties, including fines or imprisonment or both for submitting false, inaccurate, or incomplete information."



Patricia Earls,
New Jersey Regional Environmental Manager



Date

Attachment 1

Response Steps for a Purple Plume Event

An alarm to alert the operator that a purple plume event may be happening has been added to Citect. The alarm is based on inlet SO₂ dropping to a very low level compared to where it was several minutes earlier. This alarm will clear when inlet SO₂ increases to a more normal level. The alarm will only function when the affected controller is in AUTO. This may occur shortly before or at the same time that opacity levels begin to spike.

The following response steps should be taken when this alarm comes in or when a visible observation of a purple plume is made:

1. When the alarm comes in on Citect for a purple plume indicated by a rapid decrease in inlet SO₂, pull up the control screen for purple plume in Citect for the affected boiler.
2. Pull up the trend screen on Citect called "Purple Plume" for the affected boiler to verify a rapid decrease in SO₂ and increase in opacity.
3. Check stack camera to get a visual observation of a purple plume if possible.
4. If alarm is verified by step 2 and/or step 3 above, decrease furnace draft to a setpoint of -0.1. Reduce the steam flow setpoint by 20 klb/hr until opacity begins to decrease.
5. Do not increase lime slurry flow. Reduce lime slurry flow until the event is over.
6. Report any opacity exceedance to NJDEP Hotline within 15 minutes of the end of the first 6 minute averaging period that is above the 10% limit. When the event is over, another call must be made to the Hotline to follow up on the previous notification with the updated exceedance information.

Note: Based on the trends from some of the past events, inlet SO₂ has been seen to increase after a few minutes, only to drop back to near zero several minutes later and/or to be jumping up and down at a level below where it was prior to the event. This is most likely due to more than one pocket of the source of the iodine in the fuel stream. Therefore, at the present time the alarm has been implemented, but control logic has not.

Purple Plume Opacity Decision Tree

Purple Plume Alarm in Citect

- Based on inlet SO2 dropping to a very low level compared to where it was several minutes earlier.
- Only functions when the affected controller is in AUTO.

Purple Plume Alarm is Triggered in Citect?

Yes

No

Pull up the control screen for purple plume in Citect for the affected boiler. Pull up trend on Citect called "Purple Plume" for Boiler that is alarming. Determine if inlet SO2 is rapidly decreasing and opacity is increasing indicating a real purple plume event

Treat event like any other opacity spike

Check stack camera to get a visual observation of plume if possible.

Can purple plume be verified in either of the above steps?

No

Treat event like any other opacity spike

Yes

- Decrease furnace draft to a setpoint of -0.1.
- Reduce the steam flow setpoint by 20 klb/hr until opacity begins to decrease.
- Reduce lime slurry flow. Do not increase slurry flow.
- Report any exceedance to NJDEP Hotline.

Attachment 2

New Jersey Department of Environmental Protection
 Division of Solid and Hazardous Waste
 DAILY RECORD WASTES RECEIVED
 N.J.A.C. 7:26-2.13

133546

3-Aug-19

3-Aug-19

DATE

COVANTA ESSEX

FACILITY NAME

FACILITY NUMBER

Ticket Number	Time	DEP REG. NO.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Origin (Muni. County, State)	Tons
2053780	0:00:35	20947	NYC DOS	B89287	NY	606376	703066	10	MN10, NEW YORK, NY	4.97
2053781	0:01:20	20947	NYC DOS	A29290	NY	605752	703136	10	MN10, NEW YORK, NY	7.15
2053782	0:03:02	20947	NYC DOS	B89843	NY	606380	-	10	MN04, NEW YORK, NY	10.54
2053783	0:05:04	20947	NYC DOS	B84767	NY	606187	-	10	MN10, NEW YORK, NY	12.24
2053784	0:07:44	20947	NYC DOS	B88343	NY	606382	704625	10	MN10, NEW YORK, NY	7.83
2053785	0:08:56	20947	NYC DOS	AU9919	NY	604159	703164	10	MN10, NEW YORK, NY	5.13
2053786	0:13:05	20947	NYC DOS	A25179	NY	605520	-	10	MN09, NEW YORK, NY	5.33
2053787	0:13:44	20947	NYC DOS	AU7965	NY	603715	-	10	MN07, NEW YORK, NY	12.67
2053788	0:15:07	20947	NYC DOS	AU8095	NY	603792	-	10	MN12, NEW YORK, NY	9.7
2053789	0:18:05	20947	NYC DOS	AZ4036	NY	605446	-	10	MN12, NEW YORK, NY	12.38
2053790	0:18:40	20947	NYC DOS	AW5889	NY	604047	-	10	MN07, NEW YORK, NY	10.15
2053791	0:19:54	20947	NYC DOS	AW5281	NY	604049	704643	10	MN10, NEW YORK, NY	7.61
2053792	0:21:47	20947	NYC DOS	R27130	NY	7735	-	10	MN12, NEW YORK, NY	11.68
2053793	0:22:29	20947	NYC DOS	AU7810	NY	603664	-	10	MN12, NEW YORK, NY	11.06
2053794	0:25:21	20947	NYC DOS	AZ1577	NY	20947	-	10	MN07, NEW YORK, NY	9.25
2053795	0:28:40	20947	NYC DOS	AD5502	NY	604193	703225	10	MN03, NEW YORK, NY	9.62
2053796	0:47:49	20947	NYC DOS	AU7805	NY	603762	-	10	MN07, NEW YORK, NY	11.35
2053797	0:49:38	20947	NYC DOS	AZ4025	NY	605381	-	10	MN02, NEW YORK, NY	11.73
2053798	0:50:16	20947	NYC DOS	AU8253	NY	603701	-	10	MN07, NEW YORK, NY	6.49
2053799	0:56:42	20947	NYC DOS	AU7833	NY	603724	703205	10	MN03, NEW YORK, NY	5.19
2053800	0:58:45	20947	NYC DOS	AZ9730	NY	605925	703272	10	MN03, NEW YORK, NY	6.15
2053801	1:03:10	20947	NYC DOS	AW4983	NY	604055	703281	10	MN03, NEW YORK, NY	10.2
2053802	1:09:28	20947	NYC DOS	AZ8761	NY	605747	-	10	MN12, NEW YORK, NY	11.29
2053803	1:10:12	20947	NYC DOS	AZ8017	NY	605656	-	10	MN03, NEW YORK, NY	11.33
2053804	1:11:57	30413	FLASH RECYCLING CORP	27367PC	NY	1320	-	10	New York - 3000, NEW YORK, NY	11.84
2053805	1:12:21	20947	NYC DOS	AU8034	NY	603668	-	10	MN10, NEW YORK, NY	10.57
2053806	1:13:38	20947	NYC DOS	AW4868	NY	604057	-	10	MN09, NEW YORK, NY	8.67
2053807	1:18:52	20947	NYC DOS	AU8496	NY	605906	-	10	MN12, NEW YORK, NY	11.52
2053808	1:22:25	20947	NYC DOS	B82675	NY	606269	-	10	MN10, NEW YORK, NY	8.27
2053809	1:23:22	32797	INTER-REGIONAL DISPOSAL	AT615M	NJ	10946	-	10	New York - 3000, NEW YORK, NY	10.8
2053810	1:23:41	32797	INTER-REGIONAL DISPOSAL	AT826V	NJ	10940	258212	10	New York - 3000, NEW YORK, NY	3.23
2053811	1:25:21	20947	NYC DOS	AW4967	NY	604073	-	10	MN03, NEW YORK, NY	12.56
2053812	1:25:46	20947	NYC DOS	R30461	NY	8203	-	10	MN10, NEW YORK, NY	3.12
2053813	1:34:56	20947	NYC DOS	AZ8766	NY	605744	-	10	MN03, NEW YORK, NY	12.58
2053814	1:36:18	20947	NYC DOS	AZ4137	NY	605467	-	10	MN03, NEW YORK, NY	11.98
2053815	1:38:22	20947	NYC DOS	AZ9290	NY	605752	703137	10	MN10, NEW YORK, NY	5.38
2053816	1:40:16	20947	NYC DOS	BA1797	NY	605830	-	10	MN03, NEW YORK, NY	9.94
2053817	1:40:51	20947	NYC DOS	B89287	NY	606376	703120	10	MN10, NEW YORK, NY	7.78

Ticket Number	Time	DEP REG. NO.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Origin (Muni, County, State)	Tons
2053818	1:42:14	30413	FLASH RECYCLING CORP	49078PC	NY	1321	-	10	New York - 3000, NEW YORK, NY	13.11
2053819	1:49:36	20947	NYC DOS	B88343	NY	606382	703129	10	MN10, NEW YORK, NY	6.15
2053820	1:56:14	20947	NYC DOS	A05704	NY	604252	-	10	MN07, NEW YORK, NY	12.13
2053821	1:57:02	20947	NYC DOS	AU7966	NY	603649	-	10	MN12, NEW YORK, NY	10.94
2053822	1:57:43	20947	NYC DOS	AU7828	NY	603761	-	10	MN03, NEW YORK, NY	9.83
2053823	1:59:46	20947	NYC DOS	AW4262	NY	604079	-	10	MN03, NEW YORK, NY	12.78
2053824	2:00:17	20947	NYC DOS	A05502	NY	604193	703224	10	MN03, NEW YORK, NY	6.06
2053825	2:06:20	20947	NYC DOS	M37614	NY	3799	-	10	MN03, NEW YORK, NY	3.62
2053826	2:08:26	20947	NYC DOS	AU7840	NY	603627	-	10	MN03, NEW YORK, NY	12.78
2053827	2:10:11	20947	NYC DOS	AW5281	NY	604049	704644	10	MN10, NEW YORK, NY	1.29
2053828	2:11:26	20947	NYC DOS	A05615	NY	8845	-	10	MN01, NEW YORK, NY	10.82
2053829	2:12:38	20947	NYC DOS	AU7830	NY	603753	-	10	MN03, NEW YORK, NY	9.68
2053830	2:20:16	20947	NYC DOS	AD4651	NY	604873	-	10	MN07, NEW YORK, NY	1.21
2053831	2:27:31	20947	NYC DOS	AU9919	NY	604159	703098	10	MN10, NEW YORK, NY	7.42
2053832	2:28:05	20947	NYC DOS	AU7832	NY	603725	-	10	MN03, NEW YORK, NY	13.82
2053833	2:30:28	20947	NYC DOS	AZ9730	NY	605925	703270	10	MN03, NEW YORK, NY	6.13
2053834	2:35:53	20947	NYC DOS	AW4983	NY	604055	703277	10	MN03, NEW YORK, NY	9.64
2053835	2:41:30	20947	NYC DOS	AU7201	NY	603819	-	10	MN12, NEW YORK, NY	12.15
2053836	2:46:15	20947	NYC DOS	AZ9294	NY	20947	703084	10	MN03, NEW YORK, NY	5.52
2053837	2:48:56	20947	NYC DOS	A05277	NY	604269	-	10	MN10, NEW YORK, NY	4.37
2053838	2:50:13	20947	NYC DOS	B88654	NY	20947	-	10	MN01, NEW YORK, NY	7.06
2053839	2:50:36	18571	INTERSTATE WASTE SERVICES	AU174F	NY	4465	-	10	Newark City - 0714, ESSEX, NJ	5.67
2053840	3:01:53	20947	NYC DOS	AE1193	NY	9450	-	10	MN09, NEW YORK, NY	8.83
2053841	3:09:32	20947	NYC DOS	AU7833	NY	603724	704593	10	MN03, NEW YORK, NY	4.97
2053842	3:11:00	20947	NYC DOS	AU7808	NY	603684	-	10	MN07, NEW YORK, NY	10.24
2053843	3:11:28	20947	NYC DOS	AU8443	NY	605899	-	10	MN10, NEW YORK, NY	5.77
2053844	3:14:21	18571	INTERSTATE WASTE SERVICES	AS976G	NY	4396	-	10	Orange, City Of - 0717, ESSEX, NJ	14.76
2053845	3:15:37	20947	NYC DOS	AD5825	NY	604268	-	10	MN07, NEW YORK, NY	10.92
2053846	3:18:43	8262	F. BASSO JR. RUBBISH REMOVAL	XGJN36	NJ	6801	-	10	Cedar Grove - 0704, ESSEX, NJ	12.87
2053847	3:19:51	20947	NYC DOS	AZ9290	NY	605752	703195	10	MN10, NEW YORK, NY	7.11
2053848	3:20:12	20947	NYC DOS	AX2805	NY	603894	-	10	MN01, NEW YORK, NY	11.61
2053849	3:24:10	20947	NYC DOS	AU7839	NY	603629	-	10	MN03, NEW YORK, NY	13
2053850	3:27:08	20947	NYC DOS	AU7836	NY	603679	-	10	MN03, NEW YORK, NY	3.71
2053851	3:37:34	20947	NYC DOS	R38072	NY	8567	-	10	MN03, NEW YORK, NY	9.83
2053852	3:38:55	20947	NYC DOS	AU7935	NY	20947	-	10	MN03, NEW YORK, NY	11.28
2053853	3:43:57	20947	NYC DOS	AU8506	NY	605903	-	10	MN12, NEW YORK, NY	9.14
2053854	3:49:22	20947	NYC DOS	AU7838	NY	603655	-	10	MN03, NEW YORK, NY	8.92
2053855	3:50:11	20947	NYC DOS	A05502	NY	604193	703213	10	MN03, NEW YORK, NY	8.29
2053856	3:53:23	20947	NYC DOS	AW5281	NY	604049	703147	10	MN10, NEW YORK, NY	0.02
2053857	3:55:44	20947	NYC DOS	AW4198	NY	9553	-	10	MN01, NEW YORK, NY	12.98
2053858	4:01:42	20947	NYC DOS	AU9919	NY	604159	703097	10	MN10, NEW YORK, NY	5.57
2053859	4:03:11	20947	NYC DOS	AW4983	NY	604055	704666	10	MN03, NEW YORK, NY	7.21
2053860	4:11:10	1154	M&M SANITATION	AR6029	NJ	99	-	10	New York - 3000, NEW YORK, NY	12.22
2053861	4:11:42	1154	M&M SANITATION	AU947T	NJ	108	-	10	New York - 3000, NEW YORK, NY	13.76
2053862	4:12:50	20947	NYC DOS	AZ9730	NY	605925	703229	10	MN03, NEW YORK, NY	8
2053863	4:31:59	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	-	10	Irvington Township - 0709, ESSEX, NJ	2.38

Ticket Number	Time	DEP REG. NO.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Origin (Muni, County, State)	Tons
2053864	4:32:35	6759	SUBURBAN DISPOSAL CORP	XCVR48	NJ	781	-	10	Irvington Township - 0709, ESSEX, NJ	12.91
2053865	4:37:07	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	-	10	East Orange City - 0705, ESSEX, NJ	3.83
2053866	4:43:51	6759	SUBURBAN DISPOSAL CORP	XE521J	NJ	775	-	10	Irvington Township - 0709, ESSEX, NJ	10.07
2053867	4:47:31	2884	LOUIS T. ROSELLE, INC.-	AN826C	NJ	836	203846	10	Newark City - 0714, ESSEX, NJ	8.89
2053868	4:48:02	2884	LOUIS T. ROSELLE, INC.-	XFUN15	NJ	920	-	10	Newark City - 0714, ESSEX, NJ	11.64
2053869	4:52:02	8262	F. BASSO JR. RUBBISH REMOVAL	XGJR56	NJ	6803	-	10	North Caldwell Township - 0715, ESSEX, NJ	12.12
2053870	4:53:39	20947	NYC DOS	AZ8667	NY	605738	-	10	MN07, NEW YORK, NY	11.53
2053871	4:55:29	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	-	10	East Orange City - 0705, ESSEX, NJ	14.17
2053872	4:57:23	5778	MONTCLAIR DEPT OF PUBLIC WORKS	30068MG	NJ	606045	-	10	Montclair Township - 0713, ESSEX, NJ	13.72
2053873	5:10:41	20947	NYC DOS	AU702D	NY	605296	-	10	MN04, NEW YORK, NY	6.91
2053874	5:13:03	3660	GAETA RECYCLING	XHGZ99	NJ	10541	256540	27	International - 9900, NEW YORK, NY	0.12
2053875	5:16:22	17273	WASTE MANAGEMENT OF NJ	AU224K	NJ	9927	245502	27	International - 9900, NEW YORK, NY	6.68
2053876	5:25:35	6759	SUBURBAN DISPOSAL CORP	XDNU26	NJ	874	-	10	Glen Ridge - 0708, ESSEX, NJ	8.21
2053877	5:29:42	3660	GAETA RECYCLING	XZ531F	NJ	10462	-	10	Wyckoff Twp - 0270, BERGEN, NJ	9.04
2053878	5:45:25	3660	GAETA RECYCLING	XN455V	NJ	10455	-	10	Wyckoff Twp - 0270, BERGEN, NJ	7.67
2053881	5:57:07	32797	INTER-REGIONAL DISPOSAL	AT214N	NJ	10957	-	10	New York - 3000, NEW YORK, NY	7.87
2053882	5:58:51	2884	LOUIS T. ROSELLE, INC.-	AT864L	NJ	762	203843	10	Orange, City Of - 0717, ESSEX, NJ	9.29
2053883	6:09:13	18571	INTERSTATE WASTE	AU621J	NJ	4510	217026	27	International - 9900, NEW YORK, NY	8.44
2053885	6:22:07	32797	INTER-REGIONAL DISPOSAL	AS225L	NJ	10949	-	10	New York - 3000, NEW YORK, NY	15.55
2053886	6:26:25	17273	WASTE MANAGEMENT OF NJ	AU224K	NJ	9927	245508	27	International - 9900, NEW YORK, NY	3.81
2053887	6:28:05	20947	NYC DOS	AZ9294	NY	20947	704600	10	MN03, NEW YORK, NY	7.41
2053888	6:30:03	2931	T. FARESE & SONS INC	XBMW27	NJ	4160	258852	10	Newark City - 0714, ESSEX, NJ	5.05
2053889	6:32:17	3660	GAETA RECYCLING	XHGZ99	NJ	10541	256539	27	International - 9900, NEW YORK, NY	2.04
2053890	6:34:57	1154	M&M SANITATION	AP438X	NJ	102	-	10	New York - 3000, NEW YORK, NY	9.54
2053892	6:47:09	2884	LOUIS T. ROSELLE, INC.-	XAVX69	NJ	757	203857	10	Montclair Township - 0713, ESSEX, NJ	2.63
2053893	6:49:07	2931	T. FARESE & SONS INC	XU790L	NJ	4157	-	10	Passaic City - 1607, PASSAIC, NJ	8.92
2053894	6:53:49	17273	WASTE MANAGEMENT OF NJ	AU222K	NJ	9925	246426	27	International - 9900, NEW YORK, NY	12.2
2053895	7:01:13	2931	T. FARESE & SONS INC	XATB21	NJ	4178	273702	10	Newark City - 0714, ESSEX, NJ	3.74
2053896	7:04:45	33932	VOYAGER	AU646Z	NY	17053	17198	27	Paterson City - 1608, PASSAIC, NJ	22.86
2053897	7:09:52	32797	INTER-REGIONAL DISPOSAL	AU675M	NJ	10965	-	10	New York - 3000, NEW YORK, NY	21.69
2053899	7:23:37	2884	LOUIS T. ROSELLE, INC.-	AT864L	NJ	762	203843	10	Orange, City Of - 0717, ESSEX, NJ	8.11
2053901	7:28:13	20947	NYC DOS	AZ9290	NY	605752	703181	10	MN10, NEW YORK, NY	6.31
2053902	7:42:26	2931	T. FARESE & SONS INC	XIBC89	NJ	18313	-	10	Passaic City - 1607, PASSAIC, NJ	12.6
2053903	7:47:01	18571	INTERSTATE WASTE SERVICES	AS278R	NY	4367	218095	10	Newark City - 0714, ESSEX, NJ	9.78
2053904	7:52:30	3660	GAETA RECYCLING	XHGZ99	NJ	10541	256704	27	International - 9900, NEW YORK, NY	3.28
2053905	8:00:56	6759	SUBURBAN DISPOSAL CORP	XCTW45	NJ	866	-	10	West Orange Township - 0722, ESSEX, NJ	9.83
2053906	8:05:57	8653	ACTION CARTING ENVIRONMENTAL	AT208U	NY	4416	218413	27	Clifton City - 1602, PASSAIC, NJ	10.39
2053907	8:07:37	20947	NYC DOS	AU7808	NY	603684	-	10	MN02, NEW YORK, NY	8.85
2053908	8:08:27	20947	NYC DOS	AW4205	NY	604082	-	10	MN02, NEW YORK, NY	6.62
2053910	8:12:02	2884	LOUIS T. ROSELLE, INC.-	XFUN15	NJ	920	-	10	Newark City - 0714, ESSEX, NJ	5.75
2053911	8:24:33	20947	NYC DOS	AZ4025	NY	605381	-	10	MN02, NEW YORK, NY	9.23
2053912	8:25:09	20947	NYC DOS	AZ1846	NY	605441	-	10	MN07, NEW YORK, NY	9.76
2053913	8:33:33	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	-	10	Irvington Township - 0709, ESSEX, NJ	13.16
2053914	8:35:48	18571	INTERSTATE WASTE	AU547P	NJ	4502	-	10	Passaic City - 1607, PASSAIC, NJ	16.11
2053915	8:38:58	20947	NYC DOS	AZ9294	NY	20947	703269	10	MN03, NEW YORK, NY	10.08
2053916	8:44:04	2884	LOUIS T. ROSELLE, INC.-	XAVX69	NJ	757	203957	10	Verona Borough - 0720, ESSEX, NJ	1.95

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2053917	8:45:00	20947	NYC DOS	AZ8018	NY	605655	-	10	MN09, NEW YORK, NY	8.42
2053918	8:47:14	33932	VOYAGER	AU646Z	NY	17053	17205	27	Paterson City - 1608, PASSAIC, NJ	22.65
2053919	8:49:06	17273	WASTE MANAGEMENT OF NJ	AU222K	NJ	9925	246481	27	International - 9900, NEW YORK, NY	9.54
2053920	8:55:13	20947	NYC DOS	AE1695	NJ	604340	-	10	MN04, NEW YORK, NY	7.28
2053921	8:56:02	20947	NYC DOS	AZ3667	NY	605526	-	10	MN03, NEW YORK, NY	9.57
2053923	9:01:32	32797	INTER-REGIONAL DISPOSAL	AT161M	NJ	10945	-	10	New York - 3000, NEW YORK, NY	13.31
2053924	9:08:08	3660	GAETA RECYCLING	XHGZ99	NJ	10541	256546	27	International - 9900, NEW YORK, NY	0.29
2053926	9:10:25	20947	NYC DOS	R22662	NY	7652	-	10	MN09, NEW YORK, NY	9.23
2053927	9:13:50	20947	NYC DOS	BA2246	NY	605835	-	10	MN08, NEW YORK, NY	10.56
2053929	9:19:44	20947	NYC DOS	AD5268	NY	603607	-	10	MN09, NEW YORK, NY	11.43
2053931	9:24:37	20947	NYC DOS	AZ5179	NY	605520	-	10	MN09, NEW YORK, NY	11.16
2053932	9:26:09	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	-	10	East Orange City - 0705, ESSEX, NJ	14.48
2053933	9:27:15	18571	INTERSTATE WASTE SERVICES	AS278R	NY	4367	218301	10	Livingston Township - 0710, ESSEX, NJ	6.03
2053934	9:28:58	18571	INTERSTATE WASTE SERVICES	AU695T	NY	4514	-	10	Fairfield Borough - 0707, ESSEX, NJ	15.05
2053935	9:32:22	2931	T. FARESE & SONS INC	XFU856	NJ	4167	268722	10	Newark City - 0714, ESSEX, NJ	0.67
2053936	9:32:29	4500	JOSEPH SMENTKOWSKI	XEJH35	NJ	15212	-	10	Orange, City Of - 0717, ESSEX, NJ	12.84
2053938	9:36:04	6759	SUBURBAN DISPOSAL CORP	XV4472	NJ	769	-	10	East Orange City - 0705, ESSEX, NJ	10.65
2053939	9:39:25	20947	NYC DOS	AZ7898	NY	605652	-	10	MN04, NEW YORK, NY	12.93
2053940	9:40:49	20947	NYC DOS	BA1977	NY	605908	-	10	MN04, NEW YORK, NY	8.58
2053941	9:42:10	20947	NYC DOS	AU8511	NY	20947	-	10	MN09, NEW YORK, NY	12.98
2053942	9:45:45	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	-	10	East Orange City - 0705, ESSEX, NJ	16.44
2053943	9:46:31	20947	NYC DOS	BC1361	NY	606443	-	10	MN02, NEW YORK, NY	9.38
2053945	10:01:11	1154	M&M SANITATION	AR603G	NJ	98	-	10	New York - 3000, NEW YORK, NY	14.1
2053946	10:03:52	4500	JOSEPH SMENTKOWSKI	XK597N	NJ	15208	-	10	Orange, City Of - 0717, ESSEX, NJ	14.88
2053947	10:05:10	6759	SUBURBAN DISPOSAL CORP	XCKM65	NJ	870	-	10	West Orange Township - 0722, ESSEX, NJ	12.51
2053948	10:05:29	6759	SUBURBAN DISPOSAL CORP	XBVC92	NJ	858	-	10	West Orange Township - 0722, ESSEX, NJ	7.02
2053949	10:07:57	32797	INTER-REGIONAL DISPOSAL	AT4449	NJ	10944	-	10	New York - 3000, NEW YORK, NY	16.6
2053950	10:10:16	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.48
2053952	10:15:47	6759	SUBURBAN DISPOSAL CORP	XCVR48	NJ	781	-	10	Irvington Township - 0709, ESSEX, NJ	14.84
2053953	10:25:11	2931	T. FARESE & SONS INC	XX874G	NJ	4175	-	10	Clifton City - 1602, PASSAIC, NJ	14.46
2053954	10:26:58	28907	WASTE INDUSTRIES	XL674Y	NJ	269	-	10	Livingston Township - 0710, ESSEX, NJ	10.02
2053955	10:31:38	9330	CALI CARTING	XFNW85	NJ	6759	-	10	Newark City - 0714, ESSEX, NJ	8.91
2053956	10:32:39	6759	SUBURBAN DISPOSAL CORP	XEMT59	NJ	888	-	10	Bloomfield Township - 0702, ESSEX, NJ	9.87
2053958	10:37:45	6759	SUBURBAN DISPOSAL CORP	XDBV73	NJ	878	-	10	West Orange Township - 0722, ESSEX, NJ	9.92
2053959	10:39:25	32797	INTER-REGIONAL DISPOSAL	AS4988	NJ	10960	258714	10	New York - 3000, NEW YORK, NY	7.99
2053960	10:44:07	1154	M&M SANITATION	AU947T	NJ	108	-	10	New York - 3000, NEW YORK, NY	5.36
2053961	10:49:58	1154	M&M SANITATION	AS506A	NJ	100	-	10	New York - 3000, NEW YORK, NY	3.75
2053962	10:54:03	6759	SUBURBAN DISPOSAL CORP	XE521J	NJ	775	-	10	Irvington Township - 0709, ESSEX, NJ	17.41
2053963	10:55:07	28907	WASTE INDUSTRIES	XN735L	NJ	12625	-	10	Livingston Township - 0710, ESSEX, NJ	10.48
2053964	11:00:26	6759	SUBURBAN DISPOSAL CORP	XCKM64	NJ	804	-	10	Bloomfield Township - 0702, ESSEX, NJ	13.37
2053965	11:05:14	28907	WASTE INDUSTRIES	XR605W	NJ	12629	-	10	Livingston Township - 0710, ESSEX, NJ	8.04
2053966	11:06:25	6759	SUBURBAN DISPOSAL CORP	XHGM98	NJ	931	-	10	West Orange Township - 0722, ESSEX, NJ	10.49
2053967	11:23:45	7847	GIORDANO TRUCKING	XGCV46	NJ	3073	-	10	Millburn Township - 0712, ESSEX, NJ	8.1
2053968	11:23:57	18571	INTERSTATE WASTE SERVICES	AT137H	NY	4400	218441	10	Newark City - 0714, ESSEX, NJ	5.6
2053969	11:25:39	6759	SUBURBAN DISPOSAL CORP	XDAB21	NJ	868	-	10	Bloomfield Township - 0702, ESSEX, NJ	14.95
2053970	11:30:39	6759	SUBURBAN DISPOSAL CORP	XCTW46	NJ	800	-	10	Bloomfield Township - 0702, ESSEX, NJ	13.83

Ticket Number	Time	DEP REG. NO.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Origin (Muni, County, State)	Tons
2053971	11:31:47	18571	INTERSTATE WASTE	AT683M	NJ	4440	-	10	Passaic City - 1607, PASSAIC, NJ	17.28
2053972	11:38:32	28907	WASTE INDUSTRIES	XL675Y	NJ	268	-	10	Livingston Township - 0710, ESSEX, NJ	12.9
2053973	11:40:33	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	27	Newark City - 0714, ESSEX, NJ	0.54
2053974	11:45:14	33932	VOYAGER	AW119A	NY	17045	17191	27	Paterson City - 1608, PASSAIC, NJ	22.01
2053975	11:48:05	6759	SUBURBAN DISPOSAL CORP	XFUJ29	NJ	911	-	10	West Orange Township - 0722, ESSEX, NJ	16.13
2053976	11:53:19	18571	INTERSTATE WASTE	AU547P	NJ	4502	-	10	Passaic City - 1607, PASSAIC, NJ	6.43
2053977	11:55:04	8262	F. BASSO JR. RUBBISH REMOVAL	XGIN36	NJ	6801	-	10	Cedar Grove - 0704, ESSEX, NJ	11.46
2053979	12:03:05	18571	INTERSTATE WASTE SERVICES	AU721W	NY	4516	217026	10	Passaic City - 1607, PASSAIC, NJ	2.06
2053980	12:05:50	9330	CALI CARTING	XBFP34	NJ	6281	-	10	Newark City - 0714, ESSEX, NJ	13.46
2053981	12:06:47	33932	VOYAGER	AU764L	NY	18303	17196	27	Totowa Boro - 1612, PASSAIC, NJ	22.48
2053983	12:11:16	18571	INTERSTATE WASTE	AU948P	NJ	4529	-	10	Passaic City - 1607, PASSAIC, NJ	17.25
2053984	12:26:59	36344	COMMERCIAL DISTRICT SERVICES LLC	XV378F	NJ	12855	12855	10	Newark City - 0714, ESSEX, NJ	0.61
2053985	12:27:08	33932	VOYAGER	AU718P	NY	17071	17194	27	Paterson City - 1608, PASSAIC, NJ	22.66
2053986	12:28:59	33932	VOYAGER	AU759L	NY	18301	17208	27	Paterson City - 1608, PASSAIC, NJ	22.33
2053987	12:38:27	6759	SUBURBAN DISPOSAL CORP	XV4472	NJ	769	-	10	East Orange City - 0705, ESSEX, NJ	5.28
2053988	12:44:00	33932	VOYAGER	AU757L	NY	18298	24744	27	Totowa Boro - 1612, PASSAIC, NJ	22.45
2053989	12:54:09	6759	SUBURBAN DISPOSAL CORP	XEMT59	NJ	825	-	10	Bloomfield Township - 0702, ESSEX, NJ	9.75
2053990	12:56:00	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.62
2053991	12:57:36	7847	GIORDANO TRUCKING	XDW057	NJ	3075	-	10	Millburn Township - 0712, ESSEX, NJ	9.77
2053992	13:05:44	9330	CALI CARTING	XW449Z	NJ	6264	-	10	West Caldwell Borough - 0721, ESSEX, NJ	16.14
2053993	14:03:05	6759	SUBURBAN DISPOSAL CORP	X3648BV	NJ	783	-	10	Irvington Township - 0709, ESSEX, NJ	4.25
2053994	14:06:32	4152	NEWARK SANITATION	MG24115	NJ	1736	-	10	Newark City - 0714, ESSEX, NJ	1.63
2053995	14:15:47	18571	INTERSTATE WASTE	AU257P	NJ	4474	-	10	Passaic City - 1607, PASSAIC, NJ	15.41
2053996	15:11:56	18571	INTERSTATE WASTE	AT683M	NJ	4440	-	10	Passaic City - 1607, PASSAIC, NJ	9.31
2053997	16:04:44	17273	WASTE MANAGEMENT OF NJ	AN429J	NJ	9286	246352	27	International - 9900, NEW YORK, NY	3.66
2053998	16:20:32	17273	WASTE MANAGEMENT OF NJ	AS395P	NJ	9738	246481	27	International - 9900, NEW YORK, NY	6.85
2053999	16:43:47	20947	NYC DOS	AD5260	NY	604328	-	10	MN04, NEW YORK, NY	9.65
2054000	16:46:34	20947	NYC DOS	AU7867	NY	603800	-	10	MN04, NEW YORK, NY	13.47
2054001	17:02:12	20947	NYC DOS	AW4198	NY	9553	-	10	MN01, NEW YORK, NY	9.31
2054002	17:08:55	20947	NYC DOS	BB9569	NY	606381	-	10	MN04, NEW YORK, NY	12.29
2054003	17:10:24	20947	NYC DOS	AU8519	NY	605904	-	10	MN10, NEW YORK, NY	2.36
2054004	17:11:54	20947	NYC DOS	BB7778	NY	606369	-	10	MN10, NEW YORK, NY	11.8
2054005	17:12:57	20947	NYC DOS	AZ4027	NY	605380	-	10	MN04, NEW YORK, NY	14.5
2054006	17:19:41	20947	NYC DOS	AZ8766	NY	605744	-	10	MN03, NEW YORK, NY	12.32
2054007	17:22:09	20947	NYC DOS	AZ9519	NY	606074	-	10	MN09, NEW YORK, NY	11.63
2054008	17:25:42	20947	NYC DOS	AZ4137	NY	605467	-	10	MN03, NEW YORK, NY	11.09
2054009	17:26:08	20947	NYC DOS	BB8822	NY	606377	-	10	MN10, NEW YORK, NY	3.7
2054010	17:27:45	20947	NYC DOS	BC1148	NY	606383	-	10	MN12, NEW YORK, NY	9.34
2054011	17:29:20	20947	NYC DOS	AU7810	NY	603664	-	10	MN02, NEW YORK, NY	9.41
2054012	17:29:53	20947	NYC DOS	AZ1843	NY	605438	-	10	MN04, NEW YORK, NY	11.82
2054013	17:36:59	17273	WASTE MANAGEMENT OF NJ	AU7904	NY	603743	-	10	MN04, NEW YORK, NY	3.09
2054014	17:37:45	20947	NYC DOS	AN429J	NJ	9286	246192	27	Bayonne City - 0901, HUDSON, NJ	4.34
2054015	17:38:10	20947	NYC DOS	AW6940	NY	9776	-	10	MN01, NEW YORK, NY	10.28
2054016	17:39:29	20947	NYC DOS	AU7172	NY	7468	-	10	MN07, NEW YORK, NY	6.68
2054017	17:39:49	20947	NYC DOS	AZ8761	NY	605747	-	10	MN12, NEW YORK, NY	11.47
2054018	17:39:49	20947	NYC DOS	AW4262	NY	604079	-	10	MN03, NEW YORK, NY	7.95

Tricket Number	Time	DEP REG. NO.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Origin (Muni, County, State)	Tons
2054020	17:44:04	17273	WASTE MANAGEMENT OF NJ	A395P	NJ	9738	246426	27	International - 9900, NEW YORK, NY	5.77
2054021	17:49:33	20947	NYC DOS	AZ8017	NY	605656	-	10	MN03, NEW YORK, NY	9.56
2054022	17:50:23	20947	NYC DOS	AU8095	NY	603792	-	10	MN12, NEW YORK, NY	9.64
2054023	17:51:24	20947	NYC DOS	AZ1577	NY	20947	-	10	MN07, NEW YORK, NY	11.41
2054024	17:52:09	20947	NYC DOS	BB4767	NY	606187	-	10	MN10, NEW YORK, NY	9.54
2054025	17:55:08	20947	NYC DOS	AW4868	NY	604057	-	10	MN09, NEW YORK, NY	11.42
2054026	17:56:25	20947	NYC DOS	AZ9554	NY	605742	-	10	MN10, NEW YORK, NY	11.22
2054027	17:58:50	20947	NYC DOS	AW5889	NY	604047	-	10	MN07, NEW YORK, NY	10.43
2054028	18:03:07	20947	NYC DOS	AZ3426	NY	20947	-	10	MN03, NEW YORK, NY	11.68
2054029	18:06:50	20947	NYC DOS	AZ8667	NY	605738	-	10	MN07, NEW YORK, NY	10.32
2054030	18:07:21	20947	NYC DOS	RZ7768	NY	7891	-	10	MN10, NEW YORK, NY	3.57
2054031	18:17:14	20947	NYC DOS	BB9843	NY	606380	-	10	MN04, NEW YORK, NY	11.92
2054032	18:18:35	20947	NYC DOS	AU8506	NY	605903	-	10	MN12, NEW YORK, NY	12.08
2054033	18:31:17	20947	NYC DOS	AZ6611	NY	605600	-	10	MN01, NEW YORK, NY	9.97
2054034	18:32:41	20947	NYC DOS	AZ4035	NY	605397	-	10	MN12, NEW YORK, NY	13.23
2054035	18:35:24	17273	WASTE MANAGEMENT OF NJ	AN429J	NJ	9286	245987	27	Bayonne City - 0901, HUDSON, NJ	5.45
2054036	18:40:08	20947	NYC DOS	AV3458	NY	9369	-	10	MN04, NEW YORK, NY	7.78
2054037	18:54:30	20947	NYC DOS	AU7894	NY	7455	-	10	MN01, NEW YORK, NY	6.19
2054038	18:57:54	20947	NYC DOS	BC2094	NY	20947	-	10	MN02, NEW YORK, NY	11.59
2054039	19:02:05	20947	NYC DOS	AU8217	NY	604893	-	10	MN04, NEW YORK, NY	4.05
2054040	19:08:50	20947	NYC DOS	AW5279	NY	604052	-	10	MN02, NEW YORK, NY	7.4
2054041	19:21:01	20947	NYC DOS	AU8264	NY	20947	-	10	MN03, NEW YORK, NY	11.14
2054042	19:32:08	20947	NYC DOS	BB5166	NY	606180	-	10	MN09, NEW YORK, NY	1.94
2054043	19:33:12	20947	NYC DOS	AU7803	NY	603830	-	10	MN02, NEW YORK, NY	7.95
2054044	19:34:18	17273	WASTE MANAGEMENT OF NJ	AN429J	NJ	9286	246355	27	Bayonne City - 0901, HUDSON, NJ	7.83
2054045	19:37:04	20947	NYC DOS	AU80333	NY	603669	-	10	MN10, NEW YORK, NY	8.85
2054046	19:39:14	20947	NYC DOS	AW4967	NY	604073	-	10	MN03, NEW YORK, NY	3.97
2054047	19:39:53	20947	NYC DOS	AU7839	NY	603629	-	10	MN03, NEW YORK, NY	7.69
2054048	19:41:56	20947	NYC DOS	AZ5181	NY	20947	-	10	MN07, NEW YORK, NY	10.83
2054049	19:49:09	20947	NYC DOS	BB5420	NY	20947	-	10	MN10, NEW YORK, NY	11.77
2054050	19:50:03	20947	NYC DOS	R17278	NY	7358	-	10	MN12, NEW YORK, NY	4.46
2054051	19:50:57	20947	NYC DOS	AD5769	NY	8816	-	10	MN10, NEW YORK, NY	11.48
2054052	20:03:52	20947	NYC DOS	AU8454	NY	605458	-	10	MN03, NEW YORK, NY	4.85
2054053	20:05:11	20947	NYC DOS	AD5143	NY	603603	-	10	MN01, NEW YORK, NY	10.02
2054054	20:09:12	20947	NYC DOS	BB8653	NY	20947	-	10	MN12, NEW YORK, NY	10.61
2054055	20:10:34	20947	NYC DOS	AZ4036	NY	605446	-	10	MN12, NEW YORK, NY	8.08
2054056	20:14:38	20947	NYC DOS	AD5250	NY	8632	-	10	MN09, NEW YORK, NY	6.28
2054057	20:16:00	20947	NYC DOS	AU8034	NY	603668	-	10	MN10, NEW YORK, NY	9.77
2054058	20:25:13	20947	NYC DOS	AU7965	NY	603715	-	10	MN07, NEW YORK, NY	11.05
2054059	20:31:17	20947	NYC DOS	AZ1849	NY	603443	-	10	MN07, NEW YORK, NY	11.11
2054060	20:36:53	20947	NYC DOS	BA1534	NY	605734	-	10	MN07, NEW YORK, NY	13.69
2054061	20:43:45	20947	NYC DOS	BB8654	NY	20947	-	10	MN01, NEW YORK, NY	4.62
2054062	20:48:35	20947	NYC DOS	AD5261	NY	603608	-	10	MN07, NEW YORK, NY	6.47
2054063	20:49:52	20947	NYC DOS	AU7840	NY	603627	-	10	MN03, NEW YORK, NY	14.31
2054064	21:00:17	20947	NYC DOS	AZ4103	NY	605469	-	10	MN12, NEW YORK, NY	12.2
2054065	21:09:28	20947	NYC DOS	AU7789	NY	7674	-	10	MN01, NEW YORK, NY	2.75

Ticket Number	Time	DEP REG. NO.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Origin (Muni, County, State)	Tons
2054066	21:10:13	4152	NEWARK SANITATION	24112MG	NJ	1737	-	10	Newark City - 0714, ESSEX, NJ	0.63
2054067	21:11:48	20947	NYC DOS	AZ4137	NY	608524	-	10	MN12, NEW YORK, NY	12.27
2054068	21:12:17	20947	NYC DOS	BB2675	NY	606269	-	10	MN10, NEW YORK, NY	11.92
2054069	21:41:28	20947	NYC DOS	AW4483	NY	604065	-	10	MN12, NEW YORK, NY	10.97
2054070	22:34:11	4152	NEWARK SANITATION	MG64614	NJ	1743	-	10	Newark City - 0714, ESSEX, NJ	0.69
Total Tons Received									2575.3	

New Jersey Department of Environmental Protection
 Division of Solid and Hazardous Waste
 DAILY RECORD OF WASTES RECEIVED
 N.J.A.C. 7:26-2.13

133546

5-Aug-19

COVANTA ESSEX

DATE

FACILITY NAME

FACILITY NUMBER

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054071	0:09:31	20947	NYC DOS	BA1486	NY	605751	703084	10	MN03, NEW YORK, NY	10.28
2054072	0:11:55	1154	M&M SANITATION	AP438X	NJ	102	-	10	New York - 3000, NEW YORK, NY	11.77
2054073	0:12:27	20947	NYC DOS	AW4983	NY	604055	703234	10	MN03, NEW YORK, NY	6.53
2054074	0:14:34	2931	T. FARESE & SONS INC	XBP259	NJ	4165	271271	10	LODI - 0231, BERGEN, NJ	3.2
2054075	0:15:19	20947	NYC DOS	BB9287	NY	606376	703121	10	MN10, NEW YORK, NY	8.67
2054076	0:16:57	20947	NYC DOS	AD5502	NY	604193	703274	10	MN03, NEW YORK, NY	4.76
2054077	0:20:33	20947	NYC DOS	BB8343	NY	606382	703184	10	MN10, NEW YORK, NY	6.2
2054078	0:21:36	20947	NYC DOS	AU9919	NY	604159	704670	10	MN10, NEW YORK, NY	7.09
2054079	0:24:56	20947	NYC DOS	BC1105	NY	606386	703277	10	MN03, NEW YORK, NY	9.52
2054080	0:25:39	20947	NYC DOS	AZ9290	NY	605752	703194	10	MN10, NEW YORK, NY	6.73
2054081	0:28:54	1154	M&M SANITATION	A5506A	NJ	100	-	10	New York - 3000, NEW YORK, NY	11.67
2054082	0:33:08	20947	NYC DOS	AZ9730	NY	605925	703268	10	MN03, NEW YORK, NY	9.07
2054083	0:38:27	20947	NYC DOS	AU5078	NY	9624	703244	10	MN03, NEW YORK, NY	4.81
2054084	0:39:57	20947	NYC DOS	AU7958	NY	603789	-	10	MN07, NEW YORK, NY	10.67
2054085	0:43:22	20947	NYC DOS	AZ6064	NY	605598	-	10	MN07, NEW YORK, NY	12.39
2054086	0:45:20	20947	NYC DOS	AU7020	NY	605296	-	10	MN07, NEW YORK, NY	0.79
2054087	0:48:04	20947	NYC DOS	AD5528	NY	604171	-	10	MN09, NEW YORK, NY	1.92
2054088	0:51:05	6759	SUBURBAN DISPOSAL CORP	XCRV50	NJ	787	-	10	Irvington Township - 0709, ESSEX, NJ	8.52
2054089	0:55:00	1723	WASTE MGT OF NEW JERSEY	AU222K	NJ	9925	245481	27	International - 9900, NEW YORK, NY	11.32
2054090	1:04:29	9330	CAU CARTING	XDV117	NJ	6271	-	10	Newark City - 0714, ESSEX, NJ	8.98
2054091	1:08:56	20947	NYC DOS	AZ9554	NY	605742	-	10	MN10, NEW YORK, NY	3.61
2054092	1:16:16	20947	NYC DOS	AU8099	NY	603775	-	10	MN12, NEW YORK, NY	2.47
2054093	1:19:04	30413	FLASH RECYCLING CORP	27367PC	NY	1320	-	10	New York - 3000, NEW YORK, NY	12.54
2054094	1:34:48	20947	NYC DOS	AD5224	NY	604265	-	10	MN12, NEW YORK, NY	10.41
2054095	1:39:32	2931	T. FARESE & SONS INC	XBP259	NJ	4165	271272	10	Paramus Borough - 0246, BERGEN, NJ	1.33
2054096	1:40:31	20947	NYC DOS	BB9287	NY	606376	703067	10	MN10, NEW YORK, NY	8.36
2054097	1:42:20	20947	NYC DOS	AU7964	NY	603746	-	10	MN07, NEW YORK, NY	10.87
2054098	1:50:47	20947	NYC DOS	AD5502	NY	604193	703254	10	MN03, NEW YORK, NY	7.61
2054099	1:56:46	20947	NYC DOS	AU9919	NY	604159	703143	10	MN10, NEW YORK, NY	6.29
2054100	1:57:36	20947	NYC DOS	BB8343	NY	606382	703189	10	MN10, NEW YORK, NY	6.39
2054101	2:00:32	20947	NYC DOS	AW4983	NY	604055	704655	10	MN03, NEW YORK, NY	9.48
2054102	2:02:52	20947	NYC DOS	AU7951	NY	604097	-	10	MN07, NEW YORK, NY	10.83
2054103	2:05:30	20947	NYC DOS	R31924	NY	8390	-	10	MN04, NEW YORK, NY	5.77
2054104	2:06:40	20947	NYC DOS	AU7830	NY	603753	-	10	MN03, NEW YORK, NY	10.14
2054105	2:11:12	20947	NYC DOS	AU7872	NY	603672	-	10	MN02, NEW YORK, NY	8
2054106	2:12:12	20947	NYC DOS	AD5825	NY	604268	-	10	MN07, NEW YORK, NY	7.56
2054107	2:12:55	18571	INTERSTATE WASTE SERVICES	AU234F	NY	4470	-	10	Newark City - 0714, ESSEX, NJ	4.48
2054108	2:19:41	20947	NYC DOS	AZ9290	NY	605752	703182	10	MN10, NEW YORK, NY	6.3
2054109	2:20:24	20947	NYC DOS	BC1105	NY	606386	7104639	10	MN03, NEW YORK, NY	9.24

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054110	2:22:07	20947	NYC DOS	AUB443	NY	605899	-	10	MN10, NEW YORK, NY	5.89
2054111	2:22:47	20947	NYC DOS	AW5279	NY	604052	-	10	MN02, NEW YORK, NY	4.77
2054112	2:24:19	20947	NYC DOS	AZ9730	NY	605925	703288	10	MN03, NEW YORK, NY	7.96
2054113	2:27:31	18571	INTERSTATE WASTE SERVICES	AU174F	NY	4465	-	10	West Orange Township - 0722, ESSEX, NJ	11.51
2054114	2:31:13	20947	NYC DOS	AW5078	NY	9624	703283	10	MN03, NEW YORK, NY	8.03
2054115	2:31:59	20947	NYC DOS	AU8009	NY	7662	-	10	MN10, NEW YORK, NY	10.4
2054116	2:32:32	20947	NYC DOS	BB8822	NY	606377	-	10	MN10, NEW YORK, NY	4.87
2054117	2:40:27	20947	NYC DOS	AU8519	NY	605904	-	10	MN02, NEW YORK, NY	5.97
2054118	2:41:29	2931	T. FARESE & SONS INC	XFN630	NJ	4184	266105	10	Fort Lee Borough - 0219, BERGEN, NJ	15.39
2054119	2:44:05	2931	T. FARESE & SONS INC	XBP259	NJ	4165	232779	10	Teaneck Boro - 0260, BERGEN, NJ	0.65
2054120	2:47:36	2931	T. FARESE & SONS INC	XV8772	NJ	4177	-	10	Passaic City - 1607, PASSAIC, NJ	10.57
2054121	2:51:00	30413	FLASH RECYCLING CORP	49076PC	NY	1321	-	10	New York - 3000, NEW YORK, NY	13.07
2054122	2:59:17	17273	WASTE MGT OF NEW JERSEY	AS393P	NJ	9740	245502	27	International - 9900, NEW YORK, NY	7.04
2054123	3:01:14	20947	NYC DOS	AU7029	NY	603687	-	10	MN12, NEW YORK, NY	13.29
2054124	3:05:26	17273	WASTE MGT OF NEW JERSEY	AU224K	NJ	9927	246426	27	International - 9900, NEW YORK, NY	7.38
2054125	3:13:01	20947	NYC DOS	R22660	NY	7613	-	10	MN12, NEW YORK, NY	11.09
2054126	3:14:26	20947	NYC DOS	AU7342	NY	603639	-	10	MN07, NEW YORK, NY	9.49
2054127	3:14:57	20947	NYC DOS	AD5704	NY	604252	-	10	MN07, NEW YORK, NY	10.91
2054128	3:18:17	20947	NYC DOS	BB9287	NY	606376	703159	10	MN10, NEW YORK, NY	8.97
2054129	3:22:44	2931	T. FARESE & SONS INC	XHES31	NJ	4125	-	10	Clifton City - 1602, PASSAIC, NJ	16.07
2054130	3:26:18	20947	NYC DOS	AU8253	NY	603701	-	10	MN07, NEW YORK, NY	8.49
2054131	3:29:36	20947	NYC DOS	AZ4023	NY	605379	-	10	MN02, NEW YORK, NY	8.45
2054132	3:32:17	20947	NYC DOS	AV3457	NY	604157	-	10	MN03, NEW YORK, NY	12.36
2054133	3:35:11	1154	M&M SANITATION	ARG02G	NJ	99	-	10	New York - 3000, NEW YORK, NY	11.68
2054134	3:41:17	20947	NYC DOS	AU9919	NY	604159	704594	10	MN10, NEW YORK, NY	9.04
2054135	3:43:26	20947	NYC DOS	BB8343	NY	606382	703175	10	MN10, NEW YORK, NY	6.52
2054136	3:44:03	20947	NYC DOS	AD5611	NY	604198	-	10	MN10, NEW YORK, NY	13.77
2054137	3:48:10	32797	INTER-REGIONAL DISPOSAL	AU636X	NJ	10963	-	10	New York - 3000, NEW YORK, NY	17.56
2054138	3:49:57	20947	NYC DOS	AZ9730	NY	605925	703289	10	MN03, NEW YORK, NY	9.28
2054139	3:54:38	20947	NYC DOS	AD5502	NY	604193	703275	10	MN03, NEW YORK, NY	10.77
2054140	3:55:24	20947	NYC DOS	AD5469	NY	9071	-	10	MN10, NEW YORK, NY	12.4
2054141	3:58:34	20947	NYC DOS	AW5078	NY	9624	704634	10	MN03, NEW YORK, NY	7.97
2054142	3:59:16	20947	NYC DOS	AZ2990	NY	605752	703192	10	MN10, NEW YORK, NY	8.46
2054143	4:02:53	20947	NYC DOS	AZ1843	NY	605438	-	10	MN04, NEW YORK, NY	12.77
2054144	4:03:38	20947	NYC DOS	AZ4027	NY	605380	-	10	MN04, NEW YORK, NY	10.76
2054145	4:06:10	18571	INTERSTATE WASTE SERVICES	AS976G	NY	4396	-	10	Orange, City Of - 0717, ESSEX, NJ	12.12
2054146	4:07:04	7847	GIORDANO COMPANY	XFAI29	NJ	3074	210690	10	Newark City - 0714, ESSEX, NJ	3.09
2054147	4:08:18	20947	NYC DOS	R38072	NY	8567	-	10	MN03, NEW YORK, NY	14.43
2054148	4:09:26	20947	NYC DOS	AU7857	NY	604244	-	10	MN04, NEW YORK, NY	13.33
2054149	4:14:48	17273	WASTE MGT OF NEW JERSEY	AS394P	NJ	9739	13528	27	International - 9900, NEW YORK, NY	1.34
2054150	4:16:23	20947	NYC DOS	AW4752	NY	604072	-	10	MN04, NEW YORK, NY	7.06
2054151	4:17:06	20947	NYC DOS	AW6940	NY	9776	-	10	MN02, NEW YORK, NY	3.86
2054152	4:20:08	1154	M&M SANITATION	AU947T	NJ	108	-	10	New York - 3000, NEW YORK, NY	15.19
2054153	4:20:27	20947	NYC DOS	AD5277	NY	604269	-	10	MN10, NEW YORK, NY	12.41
2054154	4:23:56	20947	NYC DOS	AD5826	NY	604270	-	10	MN02, NEW YORK, NY	9.24
2054155	4:37:49	20947	NYC DOS	AU7961	NY	603755	-	10	MN07, NEW YORK, NY	8.74
2054156	4:42:10	17273	WASTE MGT OF NEW JERSEY	AS393P	NJ	9740	245501	27	International - 9900, NEW YORK, NY	4.95

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054157	4:44:08	2884	LOUIS T. ROSELLE, INC.-	XAVX69	NJ	757	203858	10	Short Hills, ESSEX, NJ	1.93
2054158	4:44:25	2884	LOUIS T. ROSELLE, INC.-	XFUN15	NJ	920	-	10	Newark City - 0714, ESSEX, NJ	13.61
2054159	5:00:39	6759	SUBURBAN DISPOSAL CORP	XDNU26	NJ	874	-	10	East Orange City - 0705, ESSEX, NJ	16.8
2054160	5:13:02	2931	T. FARESE & SONS INC	XBP259	NJ	4165	268771	10	Teaneck Boro - 0260, BERGEN, NJ	1.43
2054162	5:24:33	18571	INTERSTATE WASTE SERVICES	AS278R	NY	4367	218302	10	Livingston Township - 0710, ESSEX, NJ	8.15
2054163	5:26:35	6759	SUBURBAN DISPOSAL CORP	X3174K	NJ	894	-	10	Bloomfield Township - 0702, ESSEX, NJ	11.33
2054164	5:31:58	9330	CALI CARTING	X5175M	NJ	6258	-	10	West Caldwell Borough - 0721, ESSEX, NJ	8.17
2054165	5:33:35	26174	ADVANCED CONTAINER SERVICE	XBH69D	NY	8864	230790	10	Paramus Borough - 0246, BERGEN, NJ	2.72
2054168	5:36:03	18571	INTERSTATE WASTE SERVICES	AU734F	NY	4470	-	10	Newark City - 0714, ESSEX, NJ	10.09
2054170	5:43:46	3660	GAETA RECYCLING	XZ531F	NJ	10462	-	10	Wyckoff Twp - 0270, BERGEN, NJ	5.35
2054171	5:45:03	3660	GAETA RECYCLING	XN455V	NJ	10455	-	10	Wyckoff Twp - 0270, BERGEN, NJ	5.5
2054172	5:46:31	32797	INTER-REGIONAL DISPOSAL	AS225L	NJ	10949	-	10	New York - 3000, NEW YORK, NY	9.84
2054174	5:47:35	18571	INTERSTATE WASTE SERVICES	AU174F	NY	4465	-	10	Orange, City Of - 0717, ESSEX, NJ	12.49
2054177	5:49:52	18571	INTERSTATE WASTE	AP319U	NJ	4333	-	10	Passaic City - 1607, PASSAIC, NJ	19.6
2054180	6:03:01	32797	INTER-REGIONAL DISPOSAL	AU675M	NJ	10965	-	10	New York - 3000, NEW YORK, NY	20.94
2054181	6:12:19	33932	VOYAGER	AU718P	NY	17071	17195	27	Paterson City - 1608, PASSAIC, NJ	24.33
2054181	6:13:27	18571	INTERSTATE WASTE	AU621J	NJ	4510	217026	27	International - 9900, NEW YORK, NY	13.72
2054182	6:17:01	1154	M&M SANITATION	AP438X	NJ	102	-	10	New York - 3000, NEW YORK, NY	8.57
2054183	6:18:19	2931	T. FARESE & SONS INC	XBP258	NJ	4166	271273	10	Newark City - 0714, ESSEX, NJ	1.54
2054186	6:35:22	6759	SUBURBAN DISPOSAL CORP	X3070U	NY	864	-	10	West Orange Township - 0722, ESSEX, NJ	5.15
2054187	6:39:45	33932	VOYAGER	AT916X	NY	17040	17218	27	Paterson City - 1608, PASSAIC, NJ	23
2054189	6:46:37	4152	NEWARK SANITATION	MG56393	NJ	6315	-	10	Newark City - 0714, ESSEX, NJ	3.82
2054190	6:49:09	7847	GIORDANO COMPANY	X1944V	NJ	3088	210643	10	Newark City - 0714, ESSEX, NJ	4.78
2054191	7:00:39	33932	VOYAGER	AU762L	NY	18300	17709	27	Paterson City - 1608, PASSAIC, NJ	23.31
2054192	7:02:22	17273	WASTE MGT OF NEW JERSEY	AU224K	NJ	9927	245308	27	International - 9900, NEW YORK, NY	6.54
2054193	7:03:49	18571	INTERSTATE WASTE SERVICES	AS278R	NY	4367	218428	10	Belleville Township - 0701, ESSEX, NJ	6.68
2054195	7:08:05	6759	SUBURBAN DISPOSAL CORP	XCRV50	NJ	787	-	10	East Orange City - 0705, ESSEX, NJ	9.12
2054196	7:12:44	26174	ADVANCED CONTAINER SERVICE	XBH69D	NJ	8864	230872	10	Paramus Borough - 0246, BERGEN, NJ	7.49
2054197	7:13:26	2884	LOUIS T. ROSELLE, INC.-	AN826C	NJ	836	203961	10	Livingston Township - 0710, ESSEX, NJ	3.21
2054199	7:15:13	32797	INTER-REGIONAL DISPOSAL	AT214N	NJ	10957	-	10	New York - 3000, NEW YORK, NY	15.27
2054200	7:18:25	20947	NYC DOS	AZ9730	NY	605925	703233	10	MN03, NEW YORK, NY	9
2054201	7:19:08	17273	WASTE MGT OF NEW JERSEY	AS994F	NJ	9710	-	10	Livingston Township - 0710, ESSEX, NJ	14.77
2054202	7:20:08	18571	INTERSTATE WASTE SERVICES	AT598F	NY	4438	218441	10	Newark City - 0714, ESSEX, NJ	5.56
2054203	7:23:27	2931	T. FARESE & SONS INC	XHE531	NJ	4125	-	10	Clifton City - 1602, PASSAIC, NJ	13.07
2054204	7:25:30	9330	CALI CARTING	XDCX97	NJ	6285	-	10	Newark City - 0714, ESSEX, NJ	15.28
2054206	7:28:49	20947	NYC DOS	AW5078	NY	9624	704600	10	MN03, NEW YORK, NY	12.87
2054207	7:30:28	32797	INTER-REGIONAL DISPOSAL	AT616M	NJ	10945	-	10	New York - 3000, NEW YORK, NY	13.6
2054209	7:31:32	2931	T. FARESE & SONS INC	XBP259	NJ	4165	268722	10	LODI - 0231, BERGEN, NJ	5.5
2054210	7:34:15	17273	WASTE MGT OF NEW JERSEY	AT212C	NJ	9476	245773	10	Newark City - 0714, ESSEX, NJ	3.52
2054211	7:38:15	7847	GIORDANO COMPANY	XY723E	NJ	3085	210682	10	East Orange City - 0705, ESSEX, NJ	2.69
2054212	7:39:27	20947	NYC DOS	BB8343	NY	606382	703160	10	MN10, NEW YORK, NY	4.13
2054213	7:40:39	18571	INTERSTATE WASTE SERVICES	AP327U	NY	4337	218033	10	Newark City - 0714, ESSEX, NJ	1.79
2054214	7:42:18	2884	LOUIS T. ROSELLE, INC.-	XAVX70	NJ	759	203636	10	Cedar Grove - 0704, ESSEX, NJ	6.05
2054215	7:44:54	1154	M&M SANITATION	AU947T	NJ	108	-	10	New York - 3000, NEW YORK, NY	6.11
2054216	7:47:20	32797	INTER-REGIONAL DISPOSAL	AU637X	NJ	10964	-	10	New York - 3000, NEW YORK, NY	20.87
2054217	7:51:01	6759	SUBURBAN DISPOSAL CORP	XU448Z	NJ	768	-	10	East Orange City - 0705, ESSEX, NJ	2.45
2054218	7:52:40	2884	LOUIS T. ROSELLE, INC.-	XCVR11	NJ	746	204013	10	West Orange Township - 0722, ESSEX, NJ	9.27

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054219	7:54:05	1154	M&M SANITATION	A5506A	NJ	100	-	10	New York - 3000, NEW YORK, NY	4.64
2054220	7:55:02	20947	NYC DOS	B89287	NY	606376	703154	10	MN10, NEW YORK, NY	10.87
2054224	8:07:08	6759	SUBURBAN DISPOSAL CORP	A1864L	NJ	762	203601	10	West Orange Township - 0722, ESSEX, NJ	11.16
2054225	8:12:05	4152	NEWARK SANITATION	MG-58276	NJ	4152	-	10	Newark City - 0714, ESSEX, NJ	7.64
2054226	8:13:17	20947	NYC DOS	AZ3667	NY	605526	-	10	MN03, NEW YORK, NY	11.92
2054227	8:15:44	20947	NYC DOS	AU8008	NY	603801	-	10	MN09, NEW YORK, NY	8.55
2054228	8:22:25	6759	SUBURBAN DISPOSAL CORP	XCYR40	NJ	815	-	10	East Orange City - 0705, ESSEX, NJ	16.59
2054230	8:33:25	20947	NYC DOS	AZ9519	NY	606074	-	10	MN09, NEW YORK, NY	9.04
2054231	8:34:03	20947	NYC DOS	AU8007	NY	7363	-	10	MN09, NEW YORK, NY	9.09
2054232	8:35:24	32797	INTER-REGIONAL DISPOSAL	A14449	NJ	10944	-	10	New York - 3000, NEW YORK, NY	12.45
2054233	8:35:54	17273	WASTE MGT OF NEW JERSEY	A5728Y	NJ	9764	-	10	Newark City - 0714, ESSEX, NJ	8.91
2054234	8:37:18	20947	NYC DOS	BB7083	NY	606250	-	10	MN03, NEW YORK, NY	11.05
2054235	8:41:37	20947	NYC DOS	BB7252	NY	606247	-	10	MN04, NEW YORK, NY	9.53
2054238	8:45:17	20947	NYC DOS	AZ8018	NY	605655	-	10	MN09, NEW YORK, NY	9.35
2054239	8:47:04	20947	NYC DOS	RZ2662	NY	7652	-	10	MN09, NEW YORK, NY	9.46
2054240	8:47:43	29311	T. FARESE & SONS INC	AZ8019	NY	605654	-	10	MN09, NEW YORK, NY	11.38
2054241	8:49:41	20947	NYC DOS	XV8772	NJ	4177	-	10	Newark City - 0714, ESSEX, NJ	7.52
2054242	8:50:19	20947	NYC DOS	AZ1804	NY	605444	-	10	MN04, NEW YORK, NY	8.26
2054243	8:52:01	20947	NYC DOS	BA1977	NY	605908	-	10	MN04, NEW YORK, NY	7.99
2054244	8:52:29	6759	SUBURBAN DISPOSAL CORP	XCYR46	NJ	825	-	10	East Orange City - 0705, ESSEX, NJ	17.99
2054245	8:53:06	20947	NYC DOS	AZ1843	NY	605438	-	10	MN04, NEW YORK, NY	9
2054247	8:58:31	20947	NYC DOS	AV3458	NY	9369	-	10	MN08, NEW YORK, NY	8.56
2054248	8:59:51	20947	NYC DOS	AZ4023	NY	605379	-	10	MN04, NEW YORK, NY	8.97
2054249	9:00:55	17273	WASTE MGT OF NEW JERSEY	AZ852G	NJ	9798	-	10	MN02, NEW YORK, NY	7.15
2054250	9:02:15	29311	T. FARESE & SONS INC	XBP759	NJ	4165	268780	10	Newark City - 0714, ESSEX, NJ	9.7
2054251	9:04:27	20947	NYC DOS	AU8511	NY	20947	-	10	Hackensack City - 0223, BERGEN, NJ	3.56
2054253	9:08:51	20947	NYC DOS	BC1361	NY	606443	-	10	MN09, NEW YORK, NY	10.22
2054254	9:10:41	2884	LOUIS T. ROSELLE, INC.	XCYB78	NJ	760	-	10	MN02, NEW YORK, NY	7.63
2054256	9:13:48	20947	NYC DOS	AD5268	NY	603607	-	10	West Orange Township - 0722, ESSEX, NJ	17.99
2054258	9:18:46	20947	NYC DOS	AE1695	NY	604340	-	10	MN09, NEW YORK, NY	7.85
2054259	9:20:26	20947	NYC DOS	BC2094	NY	20947	-	10	MN04, NEW YORK, NY	6.52
2054260	9:20:45	20947	NYC DOS	AZ7898	NY	605652	-	10	MN04, NEW YORK, NY	6.08
2054261	9:24:34	20947	NYC DOS	AU8217	NY	604893	-	10	MN04, NEW YORK, NY	12.68
2054262	9:26:17	20947	NYC DOS	AW6940	NY	9776	-	10	MN04, NEW YORK, NY	9.47
2054264	9:30:25	3660	GAETA RECYCLING	XHG299	NJ	10541	256846	10	MN02, NEW YORK, NY	9.02
2054265	9:31:57	20947	NYC DOS	AZ1846	NY	605441	-	10	Newark City - 0714, ESSEX, NJ	1.91
2054266	9:34:32	20947	NYC DOS	AZ5179	NY	605520	-	10	MN07, NEW YORK, NY	10.79
2054267	9:35:05	33932	VOYAGER	AW119A	NY	17045	17192	27	MN09, NEW YORK, NY	9.45
2054268	9:39:23	20947	NYC DOS	AU7859	NY	4991	-	10	Paterson City - 1608, PASSAIC, NJ	23.33
2054270	9:41:00	20947	NYC DOS	AZ9730	NY	605925	704638	10	MN09, NEW YORK, NY	9.9
2054271	9:43:28	3660	GAETA RECYCLING	A1749Y	NJ	10533	256815	10	MN03, NEW YORK, NY	7.19
2054272	9:45:03	3660	GAETA RECYCLING	XERC83	NJ	10521	-	10	Roseland Borough - 0718, ESSEX, NJ	3.83
2054273	9:45:37	8262	F. BASSO JR. RUBBISH REMOVAL	XGJN36	NJ	6801	-	10	Newark City - 0714, ESSEX, NJ	15.52
2054274	9:46:53	20947	NYC DOS	AZ4316	NY	605466	-	10	Cedar Grove - 0704, ESSEX, NJ	8.96
2054275	9:48:37	18571	INTERSTATE WASTE SERVICES	AU234F	NY	4470	-	10	MN02, NEW YORK, NY	9.73
2054276	9:49:11	2884	LOUIS T. ROSELLE, INC.	ANB26C	NJ	836	203857	10	Newark City - 0714, ESSEX, NJ	8.32
								10	Verona Borough - 0720, ESSEX, NJ	1.62

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054277	9:51-58	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	-	10	East Orange City - 0705, ESSEX, NJ	14.78
2054278	9:57-53	2931	T. FARESE & SONS INC	XBPZ59	NJ	4165	266155	10	Rutherford Borough - 0256, BERGEN, NJ	4.32
2054279	10:01-34	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	-	10	Irvington Township - 0709, ESSEX, NJ	18.61
2054280	10:03-04	6759	SUBURBAN DISPOSAL CORP	X3648BV	NJ	4131	-	10	Irvington Township - 0709, ESSEX, NJ	17.02
2054281	10:05-22	2931	T. FARESE & SONS INC	XGGX23	NJ	4131	-	10	Newark City - 0714, ESSEX, NJ	1.04
2054282	10:06-23	2931	T. FARESE & SONS INC	X25400	NJ	4183	-	10	Clifton City - 1602, PASSAIC, NJ	13.2
2054283	10:09-00	9330	CAU CARTING	XOVL17	NJ	6271	-	10	Newark City - 0714, ESSEX, NJ	18.48
2054284	10:13-32	2884	LOUIS T. ROSELLE, INC.	XFUN15	NJ	920	-	10	Newark City - 0714, ESSEX, NJ	9.83
2054285	10:17-48	20947	NYC DOS	BB9843	NY	606380	-	10	MND04, NEW YORK, NY	11.01
2054286	10:18-17	2931	T. FARESE & SONS INC	BBMW27	NJ	4160	271225	27	International - 9900, NEW YORK, NY	1.64
2054287	10:19-33	8862	MAPLEWOOD TWP	MG70457	NJ	601070	700813	10	Maplewood Township - 0711, ESSEX, NJ	6.14
2054288	10:20-48	4500	JOSEPH SMENTKOWSKI	XFHR12	NJ	15210	-	10	Orange, City Of - 0717, ESSEX, NJ	22.29
2054289	10:25-37	18571	INTERSTATE WASTE	AU547P	NJ	4502	-	10	Passaic City - 1607, PASSAIC, NJ	17.99
2054290	10:30-35	36344	COMMERCIAL DISTRICT SERVICES LLC	XV378F	NJ	12855	12855	10	Newark City - 0714, ESSEX, NJ	0.59
2054291	10:30-40	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.55
2054292	10:31-39	20947	NYC DOS	BA2246	NY	605835	-	10	MN08, NEW YORK, NY	11.82
2054293	10:33-45	8262	F. BASSO JR. RUBBISH REMOVAL	XGZA4B	NJ	6806	-	10	Nutley Township - 0716, ESSEX, NJ	19.56
2054294	10:33-51	8262	F. BASSO JR. RUBBISH REMOVAL	XFPP52	NJ	6809	-	10	Nutley Township - 0716, ESSEX, NJ	17.53
2054295	10:35-12	2931	T. FARESE & SONS INC	XF4445	NJ	4181	-	10	Clifton City - 1602, PASSAIC, NJ	10.92
2054296	10:41-17	4500	JOSEPH SMENTKOWSKI	XEH35	NJ	15212	-	10	Orange, City Of - 0717, ESSEX, NJ	20.45
2054297	10:41-24	17273	SECURE SERVICES SPECIAL WASTE HAULER	AU222K	NJ	9925	246483	27	International - 9900, NEW YORK, NY	13.13
2054298	10:47-04	4152	NEWARK SANITATION	13640MG	NJ	9291	-	10	Newark City - 0714, ESSEX, NJ	15.46
2054299	10:48-26	18571	INTERSTATE WASTE	AU257P	NJ	4474	-	10	Passaic City - 1607, PASSAIC, NJ	14.73
2054300	10:49-29	8262	F. BASSO JR. RUBBISH REMOVAL	XDCY13	NJ	6781	-	10	Newark City - 0714, ESSEX, NJ	16.34
2054301	10:52-28	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	-	10	Belleville Township - 0701, ESSEX, NJ	15.78
2054302	10:55-17	4152	NEWARK SANITATION	14499MG	NJ	604846	-	10	Newark City - 0714, ESSEX, NJ	15.7
2054303	10:56-23	18571	INTERSTATE WASTE SERVICES	A9138	NY	4305	-	10	Newark City - 0714, ESSEX, NJ	12.11
2054304	11:01-56	8262	BASSO/LITTLE FALLS	XEVJ26	NJ	6789	-	10	Little Falls - 1605, PASSAIC, NJ	13.95
2054305	11:02-35	4152	NEWARK SANITATION	13639MG	NJ	4152	-	10	Newark City - 0714, ESSEX, NJ	13.7
2054306	11:03-18	17273	WASTE MGT OF NEW JERSEY	AS728Y	NJ	9764	-	10	Newark City - 0714, ESSEX, NJ	10.27
2054307	11:04-17	9330	CAU CARTING	XW449Z	NJ	6264	-	10	West Caldwell Borough - 0721, ESSEX, NJ	14.74
2054308	11:04-32	4152	NEWARK SANITATION	MG14497	NJ	6604844	-	10	Newark City - 0714, ESSEX, NJ	16.69
2054309	11:06-06	2931	T. FARESE & SONS INC	XBPZ59	NJ	4165	258885	10	Newark City - 0714, ESSEX, NJ	6.5
2054310	11:06-40	2986	ALLEGRO SANITATION	XFUA65	NJ	17982	-	10	Newark City - 0714, ESSEX, NJ	9.83
2054311	11:08-44	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15374MG	NJ	601598MC	-	10	Montclair Township - 0713, ESSEX, NJ	8.81
2054312	11:12-15	8262	F. BASSO JR. RUBBISH REMOVAL	X1208P	NJ	6780	-	10	Newark City - 0714, ESSEX, NJ	13.54
2054313	11:13-34	18571	INTERSTATE WASTE SERVICES	AF327U	NY	4337	218139	10	Newark City - 0714, ESSEX, NJ	5.39
2054314	11:22-17	6759	SUBURBAN DISPOSAL CORP	XCVR48	NJ	781	-	10	Irvington Township - 0709, ESSEX, NJ	16.46
2054315	11:23-10	8262	F. BASSO JR. RUBBISH REMOVAL	XHD57	NJ	6815	-	10	Newark City - 0714, ESSEX, NJ	9
2054316	11:24-34	7847	GIORDANO TRUCKING	XBKA72	NJ	3082	-	10	Millburn Township - 0712, ESSEX, NJ	9.73
2054317	11:25-19	36344	COMMERCIAL DISTRICT SERVICES LLC	XZ124U	NJ	23905	23905	10	Newark City - 0714, ESSEX, NJ	0.62
2054319	11:29-59	3660	GAETA RECYCLING	XHGZ99	NJ	10541	256673	27	International - 9900, NEW YORK, NY	0.28
2054320	11:30-41	4152	NEWARK SANITATION	MG13641	NJ	603027	-	10	Newark City - 0714, ESSEX, NJ	16.34
2054321	11:31-10	8262	F. BASSO JR. RUBBISH REMOVAL	XDLY51	NJ	6786	-	10	Newark City - 0714, ESSEX, NJ	13.11
2054322	11:32-36	2931	T. FARESE & SONS INC	XK874G	NJ	4175	-	10	Clifton City - 1602, PASSAIC, NJ	17.91
2054323	11:38-05	6759	SUBURBAN DISPOSAL CORP	XCVR36	NJ	822	-	10	Belleville Township - 0701, ESSEX, NJ	16.83
2054324	11:38-37	6759	SUBURBAN DISPOSAL CORP	X3641V	NJ	711	-	10	Belleville Township - 0701, ESSEX, NJ	17.7

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054325	11:40:28	4152	NEWARK SANITATION	MG64614	NJ	1743	-	10	Newark City - 0714, ESSEX, NJ	15.21
2054327	11:43:44	4152	NEWARK SANITATION	14498MG	NJ	4152	-	10	Newark City - 0714, ESSEX, NJ	13.46
2054328	11:45:10	18571	INTERSTATE WASTE	AU948P	NJ	4529	-	10	Passaic City - 1607, PASSAIC, NJ	18.27
2054329	11:45:27	8262	F. BASSO JR. RUBBISH REMOVAL	XGZA49	NJ	6808	-	10	Newark City - 0714, ESSEX, NJ	16.4
2054330	11:48:58	8262	F. BASSO JR. RUBBISH REMOVAL	XT370N	NJ	6793	-	10	Newark City - 0714, ESSEX, NJ	13.92
2054331	11:49:21	6759	SUBURBAN DISPOSAL CORP	XCTW46	NJ	800	-	10	Bloomfield Township - 0702, ESSEX, NJ	17.31
2054332	11:52:33	2931	T. FARESE & SONS INC	XBP259	NJ	4165	258886	10	Newark City - 0714, ESSEX, NJ	4.98
2054334	11:54:49	8262	F. BASSO JR. RUBBISH REMOVAL	XELE17	NJ	6788	-	10	Newark City - 0714, ESSEX, NJ	11.63
2054335	11:56:14	8262	F. BASSO JR. RUBBISH REMOVAL	XBFN86	NJ	6792	-	10	Newark City - 0714, ESSEX, NJ	16.54
2054336	12:02:36	8262	BASSO/LITTLE FALLS	X81A17	NJ	6776	-	10	Little Falls - 1605, PASSAIC, NJ	11.36
2054337	12:05:15	18571	INTEGRITY RECYCLING	AT140H	NJ	4403	218705	27	Roseland Borough - 0718, ESSEX, NJ	13.58
2054338	12:06:06	4152	NEWARK SANITATION	MG-38080	NJ	1715	-	10	Newark City - 0714, ESSEX, NJ	14.09
2054339	12:07:06	4152	NEWARK SANITATION	34870MG	NJ	606316	-	10	Newark City - 0714, ESSEX, NJ	18.29
2054340	12:07:22	7847	GIORDANO TRUCKING	XDW057	NJ	3075	-	10	Millburn Township - 0712, ESSEX, NJ	13.61
2054341	12:08:44	2931	T. FARESE & SONS INC	XFTH70	NJ	4178	-	10	Clifton City - 1602, PASSAIC, NJ	15.82
Total Tons Received									2431.97	

New Jersey Department of Environmental Protections
 Division of Solid and Hazardous Waste
 DAILY RECORD OF WASTES RECEIVED
 N.J.A.C. 7:26-2.13

133546

FACILITY NUMBER

6-Aug-19

DATE

COVANTA ESSEX

FACILITY NAME

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054488	0:03:20	20947	NYC DOS	BB8343	NY	606382	703087	10	MIN10, NEW YORK, NY	10.39
2054489	0:04:10	20947	NYC DOS	AU9919	NY	604159	704625	10	MIN10, NEW YORK, NY	10.52
2054490	0:06:49	20947	NYC DOS	BA1486	NY	605751	703084	10	MIN03, NEW YORK, NY	6.61
2054491	0:07:29	2931	T. FARESE & SONS INC	XBP259	NJ	4165	268770	10	Newark City - 0714, ESSEX, NJ	0.49
2054492	0:09:47	20947	NYC DOS	AD5570	NY	604190	704664	10	MIN10, NEW YORK, NY	8.17
2054493	0:10:33	20947	NYC DOS	BC1543	NY	606385	-	10	MIN01, NEW YORK, NY	10.37
2054494	0:12:42	20947	NYC DOS	BB9287	NY	606376	703208	10	MIN10, NEW YORK, NY	8.99
2054495	0:13:29	20947	NYC DOS	AU8264	NY	20947	-	10	MIN03, NEW YORK, NY	4.45
2054496	0:14:03	17273	WASTE MGT OF NEW JERSEY	AN4291	NJ	9286	246355	27	Bayonne City - 0901, HUDSON, NJ	1.42
2054497	0:16:28	20947	NYC DOS	AW5078	NY	9624	703281	10	MIN03, NEW YORK, NY	8
2054498	0:17:31	20947	NYC DOS	AZ1577	NY	20947	-	10	MIN07, NEW YORK, NY	9.01
2054499	0:19:50	20947	NYC DOS	AZ5181	NY	20947	-	10	MIN07, NEW YORK, NY	9.66
2054500	0:20:28	20947	NYC DOS	AW6145	NY	604307	-	10	MIN12, NEW YORK, NY	10.97
2054501	0:22:28	20947	NYC DOS	AW4983	NY	604055	703214	10	MIN03, NEW YORK, NY	10.01
2054502	0:24:56	20947	NYC DOS	AZ9730	NY	605925	703250	10	MIN03, NEW YORK, NY	4.54
2054503	0:25:40	20947	NYC DOS	AU8099	NY	603775	-	10	MIN12, NEW YORK, NY	9.79
2054504	0:27:02	20947	NYC DOS	AW4252	NY	9599	-	10	MIN07, NEW YORK, NY	12.58
2054505	0:29:10	20947	NYC DOS	BB2675	NY	606269	-	10	MIN10, NEW YORK, NY	10.42
2054506	0:30:07	20947	NYC DOS	AU7905	NY	603672	-	10	MIN07, NEW YORK, NY	12.4
2054507	0:31:17	20947	NYC DOS	AU7965	NY	603715	-	10	MIN07, NEW YORK, NY	11.34
2054508	0:37:43	20947	NYC DOS	AZ9294	NY	20947	703252	10	MIN03, NEW YORK, NY	7.22
2054509	0:39:41	20947	NYC DOS	AU8009	NY	7662	-	10	MIN10, NEW YORK, NY	11.36
2054510	0:43:12	20947	NYC DOS	BB5166	NY	606190	-	10	MIN09, NEW YORK, NY	2.07
2054511	0:47:07	20947	NYC DOS	AU7803	NY	603830	-	10	MIN02, NEW YORK, NY	7.72
2054512	0:58:19	20947	NYC DOS	AD5424	NY	603643	-	10	MIN12, NEW YORK, NY	10.62
2054513	0:59:49	20947	NYC DOS	AZ4103	NY	605469	-	10	MIN12, NEW YORK, NY	12.65
2054514	1:03:54	20947	NYC DOS	AW4967	NY	604073	-	10	MIN03, NEW YORK, NY	11.46
2054515	1:09:45	30413	FLASH RECYCLING CORP	27367PC	NY	1320	-	10	New York - 3000, NEW YORK, NY	12.55
2054516	1:11:10	20947	NYC DOS	AU7029	NY	603687	-	10	MIN12, NEW YORK, NY	10.83
2054517	1:12:02	20947	NYC DOS	BB5420	NY	20947	-	10	MIN10, NEW YORK, NY	12.99
2054518	1:13:51	20947	NYC DOS	RZ7130	NY	7735	-	10	MIN10, NEW YORK, NY	9.44
2054519	1:16:25	20947	NYC DOS	AU8103	NY	7895	-	10	MIN12, NEW YORK, NY	10.69
2054520	1:22:26	20947	NYC DOS	AU6695	NY	5147	-	10	MIN12, NEW YORK, NY	11.22
2054521	1:23:07	2931	T. FARESE & SONS INC	XBP259	NJ	4165	268722	10	LODI - 0231, BERGEN, NJ	0.6
2054522	1:25:59	20947	NYC DOS	AZ66609	NY	605599	-	10	MIN12, NEW YORK, NY	10.92
2054523	1:28:45	20947	NYC DOS	BB9287	NY	606376	703210	10	MIN10, NEW YORK, NY	10.09
2054524	1:31:47	20947	NYC DOS	AU8454	NY	605458	-	10	MIN03, NEW YORK, NY	13.06
2054525	1:32:29	17273	WASTE MGT OF NEW JERSEY	AN4291	NJ	9286	246356	27	Bayonne City - 0901, HUDSON, NJ	1.43
2054526	1:34:08	9330	CALI CARTING	XASW73	NJ	6292	224060	10	Newark City - 0714, ESSEX, NJ	4.78

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054527	1:36:25	20947	NYC DOS	AD5403	NY	9199	-	10	MN03, NEW YORK, NY	1.33
2054528	1:41:33	20947	NYC DOS	AD5570	NY	604190	703148	10	MIN10, NEW YORK, NY	9.24
2054529	1:42:15	20947	NYC DOS	R30461	NY	8203	-	10	MIN10, NEW YORK, NY	3.07
2054530	1:45:54	18571	INTERSTATE WASTE SERVICES	AU234F	NY	4470	-	10	Newark City - 0714, ESSEX, NJ	7.12
2054531	1:47:05	20947	NYC DOS	AD5769	NY	8816	-	10	MIN10, NEW YORK, NY	6.78
2054532	1:48:47	32797	INTER-REGIONAL DISPOSAL	AT615M	NJ	10946	-	10	New York - 3000, NEW YORK, NY	9.09
2054533	1:50:09	20947	NYC DOS	AW4983	NY	604055	703218	10	MN03, NEW YORK, NY	7.27
2054534	1:55:05	20947	NYC DOS	AU9919	NY	604159	703127	10	MIN10, NEW YORK, NY	8.12
2054535	1:57:29	20947	NYC DOS	AU7828	NY	603761	-	10	MN03, NEW YORK, NY	5.8
2054536	1:58:07	20947	NYC DOS	AW4868	NY	604057	-	10	MN09, NEW YORK, NY	4
2054537	2:00:26	20947	NYC DOS	BB5663	NY	606257	-	10	MN03, NEW YORK, NY	13.26
2054538	2:01:07	20947	NYC DOS	AZ9730	NY	605925	703241	10	MN03, NEW YORK, NY	6.25
2054539	2:03:23	20947	NYC DOS	AW5078	NY	9624	703269	10	MN03, NEW YORK, NY	8.18
2054540	2:04:21	29311	T. FARESE & SONS INC	XFNH33	NJ	4148	-	10	Passaic City - 1607, PASSAIC, NJ	9.89
2054541	2:05:10	20947	NYC DOS	BB5734	NY	606256	-	10	MN03, NEW YORK, NY	8.62
2054542	2:08:29	20947	NYC DOS	AD5615	NY	8845	-	10	MN01, NEW YORK, NY	1.77
2054543	2:10:29	20947	NYC DOS	AU8253	NY	603701	-	10	MIN07, NEW YORK, NY	8.34
2054544	2:11:53	32797	INTER-REGIONAL DISPOSAL	AT7721	NJ	10948	-	10	New York - 3000, NEW YORK, NY	8.46
2054545	2:13:20	30413	FLASH RECYCLING CORP	49076PC	NY	1321	-	10	New York - 3000, NEW YORK, NY	13.28
2054546	2:19:06	2884	LOUIS T. ROSELLE, INC.	AN826C	NJ	836	203621	10	Newark City - 0714, ESSEX, NJ	10.04
2054547	2:34:53	29311	T. FARESE & SONS INC	XBP259	NJ	4165	268774	10	Paramus Borough - 0246, BERGEN, NJ	8.04
2054548	2:36:01	20947	NYC DOS	AU7840	NY	603627	-	10	MN03, NEW YORK, NY	10.38
2054549	2:36:34	20947	NYC DOS	AU7838	NY	603655	-	10	MN03, NEW YORK, NY	8.54
2054550	2:45:11	20947	NYC DOS	AU7966	NY	603649	-	10	MIN12, NEW YORK, NY	10.52
2054551	2:49:16	9330	CAU CARTING	XASW73	NJ	6292	224304	10	Newark City - 0714, ESSEX, NJ	1.19
2054552	2:50:39	20947	NYC DOS	AU8504	NY	605901	-	10	MN12, NEW YORK, NY	12.7
2054553	2:56:01	20947	NYC DOS	AW8536	NY	604053	703196	10	MIN10, NEW YORK, NY	9.34
2054554	2:57:58	20947	NYC DOS	AU8496	NY	605906	-	10	MIN12, NEW YORK, NY	11.4
2054555	3:03:30	29311	T. FARESE & SONS INC	XHPW27	NJ	9009	258799	10	Clifton City - 1602, PASSAIC, NJ	1.17
2054556	3:04:17	20947	NYC DOS	AD5609	NY	606184	-	10	MIN12, NEW YORK, NY	11.12
2054557	3:08:12	20947	NYC DOS	AD5502	NY	604193	703231	10	MN03, NEW YORK, NY	7.86
2054558	3:11:06	20947	NYC DOS	AU7810	NY	603664	-	10	MIN12, NEW YORK, NY	11.32
2054559	3:16:09	20947	NYC DOS	AU7832	NY	603725	-	10	MN03, NEW YORK, NY	11.64
2054560	3:21:15	20947	NYC DOS	AU7027	NY	7744	-	10	MIN12, NEW YORK, NY	10.66
2054561	3:24:20	20947	NYC DOS	AD5570	NY	604190	703103	10	MIN10, NEW YORK, NY	10.05
2054562	3:28:42	20947	NYC DOS	BB9287	NY	606376	703209	10	MIN10, NEW YORK, NY	10.23
2054563	3:31:28	20947	NYC DOS	AU7951	NY	604097	-	10	MN07, NEW YORK, NY	11.69
2054564	3:32:03	8262	F. BASSO JR. RUBBISH REMOVAL	XGIN36	NJ	6801	-	10	Cedar Grove - 0704, ESSEX, NJ	9.56
2054565	3:33:26	20947	NYC DOS	AU9919	NY	604159	703126	10	MIN10, NEW YORK, NY	7.21
2054566	3:34:58	32797	INTER-REGIONAL DISPOSAL	AU636X	NJ	10963	-	10	New York - 3000, NEW YORK, NY	13.42
2054567	3:38:44	20947	NYC DOS	AU7839	NY	603629	-	10	MN03, NEW YORK, NY	3.58
2054568	3:40:28	20947	NYC DOS	AU7935	NY	20947	-	10	MN03, NEW YORK, NY	8.09
2054569	3:44:27	20947	NYC DOS	AU8458	NY	605459	-	10	MIN03, NEW YORK, NY	11.12
2054570	3:46:59	20947	NYC DOS	AU7836	NY	603679	-	10	MN03, NEW YORK, NY	11.49
2054571	3:48:06	29311	T. FARESE & SONS INC	XBP259	NJ	4165	268795	10	Rutherford Borough - 0256, BERGEN, NJ	4.37
2054572	3:49:22	20947	NYC DOS	AU8443	NY	605899	-	10	MIN10, NEW YORK, NY	10.31
2054573	3:52:46	20947	NYC DOS	AW4254	NY	9597	-	10	MN03, NEW YORK, NY	7.31

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054574	3:54:18	1154	M&M SANITATION	AR602G	NJ	99	-	10	New York - 3000, NEW YORK, NY	12.09
2054575	3:55:09	20947	NYC DOS	AZ8766	NY	605744	-	10	MIN03, NEW YORK, NY	11.35
2054576	3:58:21	20947	NYC DOS	AW5078	NY	9624	704666	10	MIN03, NEW YORK, NY	6.67
2054577	3:59:56	20947	NYC DOS	RZ7768	NY	7891	-	10	MIN10, NEW YORK, NY	11.44
2054578	4:08:08	18571	INTERSTATE WASTE SERVICES	AU174F	NY	4465	-	10	Orange, City Of - 0717, ESSEX, NJ	13.96
2054580	4:10:43	18571	INTERSTATE WASTE SERVICES	AU133B	NY	4305	-	10	Newark City - 0714, ESSEX, NJ	3.89
2054581	4:12:49	6759	SUBURBAN DISPOSAL CORP	XCVR36	NJ	822	-	10	Belleville Township - 0701, ESSEX, NJ	12.26
2054582	4:13:58	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	-	10	East Orange City - 0705, ESSEX, NJ	17.41
2054583	4:16:46	9330	CALI CARTING	XHXZ76	NJ	18043	-	10	Elmwood Park - 0213, BERGEN, NJ	3.99
2054584	4:19:43	5778	MONTCLAIR DEPT OF PUBLIC WORKS	15373MG	NJ	601597	-	10	Montclair Township - 0713, ESSEX, NJ	11.83
2054585	4:21:13	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	-	10	East Orange City - 0705, ESSEX, NJ	14.02
2054586	4:31:05	20947	NYC DOS	AW5636	NY	604053	703170	10	MIN10, NEW YORK, NY	9.22
2054587	4:35:32	2884	LOUIS T. ROSELLE, INC.	AN826C	NJ	836	203963	10	Newark City - 0714, ESSEX, NJ	2.88
2054588	4:41:53	9330	CALI CARTING	XR863N	NJ	6270	-	10	Elmwood Park - 0213, BERGEN, NJ	10.99
2054589	4:42:19	6759	SUBURBAN DISPOSAL CORP	X3641V	NJ	711	-	10	Belleville Township - 0701, ESSEX, NJ	8.19
2054590	4:46:38	18571	INTERSTATE WASTE SERVICES	AS976G	NY	4396	-	10	Orange, City Of - 0717, ESSEX, NJ	17.12
2054591	4:50:54	8653	ACTION CARTING ENVIRONMENTAL	AT502G	NJ	4428	218626	27	Teterboro Boro - 0262, BERGEN, NJ	8.75
2054592	4:52:58	20947	NYC DOS	AD546	NY	20947	-	10	MIN03, NEW YORK, NY	7.44
2054593	4:55:09	20947	NYC DOS	AU8048	NY	7483	-	10	MIN09, NEW YORK, NY	8.3
2054594	4:58:56	9330	CALI CARTING	XEAJ73	NJ	6288	-	10	Elmwood Park - 0213, BERGEN, NJ	17.25
2054595	5:02:09	6759	SUBURBAN DISPOSAL CORP	XDNU26	NJ	874	-	10	Glen Ridge - 0708, ESSEX, NJ	10.77
2054596	5:04:22	17273	WASTE MGT OF NEW JERSEY	AU222K	NJ	9925	246483	27	International - 9900, NEW YORK, NY	11.49
2054597	5:06:17	3660	GAETA RECYCLING	AT136H	NJ	10139	-	10	Franklin Lakes - 0220, BERGEN, NJ	12.35
2054598	5:17:50	6759	SUBURBAN DISPOSAL CORP	XU447Z	NJ	838	-	10	East Orange City - 0705, ESSEX, NJ	11.96
2054599	5:18:20	3660	GAETA RECYCLING	XZ531F	NJ	10462	-	10	Wyckoff Twp - 0270, BERGEN, NJ	13.63
2054600	5:19:47	8262	F. BASSO JR. RUBBISH REMOVAL	XGR556	NJ	6803	-	10	North Caldwell Township - 0715, ESSEX, NJ	14.98
2054601	5:24:55	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	-	10	Belleville Township - 0701, ESSEX, NJ	9.16
2054602	5:31:30	2884	LOUIS T. ROSELLE, INC.	XFUN15	NJ	920	-	10	Newark City - 0714, ESSEX, NJ	9.96
2054603	5:34:50	3660	GAETA RECYCLING	XN455V	NJ	10455	-	10	Wyckoff Twp - 0270, BERGEN, NJ	11.67
2054604	5:35:39	32797	INTER-REGIONAL DISPOSAL	AU675M	NJ	10965	-	10	New York - 3000, NEW YORK, NY	17.34
2054605	5:38:29	9330	CALI CARTING	X5175M	NJ	6258	-	10	Elmwood Park - 0213, BERGEN, NJ	6.89
2054606	5:47:21	2931	T. FARESE & SONS INC	XV877Z	NJ	4177	-	10	Passaic City - 1607, PASSAIC, NJ	10.04
2054607	5:48:26	20947	NYC DOS	AD4651	NY	604873	-	10	MIN07, NEW YORK, NY	1.68
2054608	5:50:30	17273	WASTE MGT OF NEW JERSEY	AN603P	NJ	9278	-	10	Maplewood Township - 0711, ESSEX, NJ	14.19
2054609	5:51:57	4500	JOSEPH SMENTKOWSKI	XFHR12	NJ	15210	-	10	Orange, City Of - 0717, ESSEX, NJ	13.27
2054611	5:53:10	32797	INTER-REGIONAL DISPOSAL	AS225L	NJ	10949	-	10	New York - 3000, NEW YORK, NY	17.04
2054613	5:59:28	2931	T. FARESE & SONS INC	XFTK93	NJ	4141	268715	10	East Orange City - 0705, ESSEX, NJ	0.32
2054614	6:06:18	17273	WASTE MGT OF NEW JERSEY	AU224K	NJ	9927	245508	27	International - 9900, NEW YORK, NY	3.45
2054615	6:06:52	2931	T. FARESE & SONS INC	XEJA93	NJ	4155	268772	10	Clifton City - 1602, PASSAIC, NJ	2.86
2054617	6:18:20	6759	SUBURBAN DISPOSAL CORP	XELF77	NJ	892	-	10	Fairfield Borough - 0707, ESSEX, NJ	18.68
2054619	6:28:26	18571	INTERSTATE WASTE SERVICES	AU234F	NY	4470	-	10	Newark City - 0714, ESSEX, NJ	11.41
2054620	6:30:38	17273	WASTE MGT OF NEW JERSEY	AS393P	NJ	9740	245502	27	International - 9900, NEW YORK, NY	6.5
2054621	6:31:11	2884	LOUIS T. ROSELLE, INC.	XAVX69	NJ	757	203967	10	Montclair Township - 0713, ESSEX, NJ	3.22
2054622	6:36:17	8653	ACTION CARTING ENVIRONMENTAL	AT193T	NJ	17828	218675	27	Wayne Twp - 1614, PASSAIC, NJ	7.07
2054623	6:40:07	18571	INTERSTATE WASTE	AU621J	NJ	4510	217026	27	International - 9900, NEW YORK, NY	12.12
2054624	6:41:09	2931	T. FARESE & SONS INC	XHE531	NJ	4125	-	10	Clifton City - 1602, PASSAIC, NJ	6.62
2054625	6:42:21	4152	NEWARK SANITATION	34870MG	NJ	606316	-	10	Newark City - 0714, ESSEX, NJ	5.9

Ticket Number	Time	DEP REG. No.	Hauler	License Plate No.	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054627	6:56:18	32797	INTER-REGIONAL DISPOSAL	AUG36X	NJ	10963	-	10	New York - 3000, NEW YORK, NY	6.9
2054628	7:01:18	17273	WASTE MGT OF NEW JERSEY	AT32G	NJ	9797	-	10	Newark City - 0714, ESSEX, NJ	8.41
2054629	7:04:08	2931	T. FARESE & SONS INC	XBMW27	NJ	4160	258852	10	Newark City - 0714, ESSEX, NJ	3.29
2054631	7:06:51	32797	INTER-REGIONAL DISPOSAL	AT616M	NJ	10945	-	10	New York - 3000, NEW YORK, NY	11.31
2054633	7:14:28	18571	INTERSTATE WASTE SERVICES	AP327U	NY	4337	218264	10	Newark City - 0714, ESSEX, NJ	3.16
2054634	7:16:02	3660	GAETA RECYCLING	XHGZ99	NJ	10541	256672	27	International - 9900, NEW YORK, NY	0.02
2054635	7:17:20	20947	NYC DOS	AW5078	NY	9624	704600	10	MN03, NEW YORK, NY	9.73
2054636	7:21:33	18571	INTERSTATE WASTE SERVICES	AT598F	NY	4438	218441	10	Newark City - 0714, ESSEX, NJ	5.1
2054637	7:24:24	9330	CALI CARTING	XDCX97	NJ	6285	-	10	Newark City - 0714, ESSEX, NJ	12.58
2054639	7:26:01	17273	WASTE MGT OF NEW JERSEY	AU222K	NJ	9925	246481	27	International - 9900, NEW YORK, NY	11.49
2054640	7:30:02	3660	GAETA RECYCLING	XGDE79	NJ	10534	256871	30	Newark City - 0714, ESSEX, NJ	2.02
2054641	7:32:33	20947	NYC DOS	AZ9294	NY	20947	703282	10	MN03, NEW YORK, NY	6.65
2054643	7:41:59	18571	INTERSTATE WASTE SERVICES	AU174F	NY	4465	-	10	West Orange Township - 0722, ESSEX, NJ	7.95
2054644	7:44:30	29311	T. FARESE & SONS INC	XFTK93	NJ	4141	258863	10	Clifton City - 1602, PASSAIC, NJ	7.54
2054645	7:45:33	20947	NYC DOS	BB9287	NY	606376	703177	10	MN10, NEW YORK, NY	7.86
2054646	7:46:21	20947	NYC DOS	888343	NY	606382	703165	10	MN10, NEW YORK, NY	8.24
2054648	7:52:35	2884	LOUIS T. ROSELLE, INC.-	XDNV26	NJ	761	203938	10	Orange, City Of - 0717, ESSEX, NJ	5.78
2054649	8:00:10	2884	LOUIS T. ROSELLE, INC.-	XCX878	NJ	760	-	10	West Orange Township - 0722, ESSEX, NJ	14.65
2054650	8:01:33	5778	MONTCLAIR DEPT OF PUBLIC WORKS	22814MG	NJ	605157M01	-	10	Montclair Township - 0713, ESSEX, NJ	2.76
2054651	8:02:40	18571	INTERSTATE WASTE SERVICES	AS278R	NY	4367	218301	10	Livingston Township - 0710, ESSEX, NJ	6.64
2054653	8:04:59	18571	INTERSTATE WASTE SERVICES	AU547P	NJ	4502	-	10	Passaic City - 1607, PASSAIC, NJ	19.01
2054655	8:16:05	20947	NYC DOS	AU8007	NY	7363	-	10	MN09, NEW YORK, NY	11.27
Total Tons Received									1382.03	

New Jersey Department of Environmental Protection
 Division of Solid and Hazardous Waste
 DAILY RECORD OF WASTES RECEIVED
 N.J.A.C. 2:26-2:13

FACILITY NAME	COVANTA ESSEX	DATE	7-Aug-19	FACILITY NUMBER	133546					
Ticket Number	Time Out	DEP REG. No.	Hauler	License	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054932	0:00:53	20947	NYC DOS	BB9287	NY	606376	703129	10	MN10, NEW YORK, NY	7.43
2054933	0:01:42	20947	NYC DOS	AZ9290	NY	605752	703066	10	MN10, NEW YORK, NY	6.99
2054934	0:03:55	20947	NYC DOS	BB5420	NY	20947	-	10	MN10, NEW YORK, NY	14.17
2054935	0:04:33	20947	NYC DOS	BB8343	NY	606382	703145	10	MN10, NEW YORK, NY	9.15
2054936	0:06:43	20947	NYC DOS	AD5570	NY	604190	703149	10	MN10, NEW YORK, NY	6.18
2054937	0:07:23	20947	NYC DOS	BB8654	NY	20947	-	10	MN01, NEW YORK, NY	12.48
2054938	0:11:19	20947	NYC DOS	AW5636	NY	604053	703168	10	MN10, NEW YORK, NY	9.08
2054939	0:13:39	20947	NYC DOS	AZ9294	NY	20947	703244	10	MN03, NEW YORK, NY	5.5
2054940	0:14:39	20947	NYC DOS	AJ7965	NY	603715	-	10	MN07, NEW YORK, NY	10.55
2054941	0:20:38	20947	NYC DOS	AZ9730	NY	605925	703246	10	MN03, NEW YORK, NY	9.16
2054942	0:23:43	20947	NYC DOS	AJ7868	NY	604331	-	10	MN04, NEW YORK, NY	9.47
2054943	0:25:36	20947	NYC DOS	AJ8098	NY	603777	-	10	MN12, NEW YORK, NY	12.42
2054944	0:26:10	20947	NYC DOS	AD5704	NY	604252	-	10	MN07, NEW YORK, NY	11.1
2054945	0:30:34	20947	NYC DOS	AZ5181	NY	20947	-	10	MN07, NEW YORK, NY	10.71
2054946	0:32:15	20947	NYC DOS	AZ8766	NY	605744	-	10	MN03, NEW YORK, NY	10.3
2054947	0:35:41	20947	NYC DOS	AJ8099	NY	603775	-	10	MN12, NEW YORK, NY	12.45
2054948	0:36:37	20947	NYC DOS	AJ7895	NY	5136	-	10	MN01, NEW YORK, NY	9.99
2054949	0:40:15	32797	INTER-REGIONAL DISPOSAL	AT615M	NJ	10946	-	10	New York - 3000, NEW YORK, NY	6.46
2054950	0:46:05	20947	NYC DOS	AZ9289	NY	605754	703137	10	MN10, NEW YORK, NY	11.2
2054951	0:46:56	20947	NYC DOS	AJ7342	NY	603639	-	10	MN07, NEW YORK, NY	9.37
2054952	0:48:57	20947	NYC DOS	AZ9554	NY	605742	-	10	MN10, NEW YORK, NY	11.64
2054953	0:56:58	20947	NYC DOS	AD5609	NY	606184	-	10	MN12, NEW YORK, NY	9.07
2054954	0:59:20	20947	NYC DOS	MS0827	NY	3465	-	10	MN02, NEW YORK, NY	0.49
2054955	1:05:21	20947	NYC DOS	AJ8496	NY	605906	-	10	MN12, NEW YORK, NY	8.32
2054956	1:09:26	20947	NYC DOS	AJ7873	NY	603620	-	10	MN03, NEW YORK, NY	10.08
2054957	1:10:54	20947	NYC DOS	AW4967	NY	604073	-	10	MN03, NEW YORK, NY	9.08
2054958	1:12:12	2931	T. FARESE & SONS INC	XBP259	NJ	4165	271256	10	LODI - 0231, BERGEN, NJ	4.06
2054959	1:20:01	20947	NYC DOS	AD5403	NY	9199	-	10	MN03, NEW YORK, NY	2.18
2054960	1:23:25	20947	NYC DOS	BB8343	NY	606382	703143	10	MN10, NEW YORK, NY	6.49
2054961	1:27:20	20947	NYC DOS	AC9358	NY	9235	-	10	MN10, NEW YORK, NY	2.87
2054962	1:29:46	30413	FLASH RECYCLING CORP	27367PC	NY	1320	-	10	New York - 3000, NEW YORK, NY	12.27
2054963	1:34:12	20947	NYC DOS	AD5261	NY	603608	-	10	MN07, NEW YORK, NY	8.99
2054964	1:35:18	20947	NYC DOS	AZ9290	NY	605752	704668	10	MN10, NEW YORK, NY	9.76
2054965	1:40:14	20947	NYC DOS	AD5570	NY	604190	703147	10	MN10, NEW YORK, NY	8.8
2054966	1:47:07	32797	INTER-REGIONAL DISPOSAL	AJ599L	NJ	10967	-	10	New York - 3000, NEW YORK, NY	12.7
2054967	1:49:52	20947	NYC DOS	AW5636	NY	604053	703179	10	MN10, NEW YORK, NY	7.26
2054968	1:59:47	30413	FLASH RECYCLING CORP	49076PC	NY	1321	-	10	New York - 3000, NEW YORK, NY	12.68
2054969	2:01:05	20947	NYC DOS	AD5502	NY	604193	703212	10	MN03, NEW YORK, NY	7.4
2054970	2:04:33	2931	T. FARESE & SONS INC	XFNH33	NJ	4148	-	10	Passaic City - 1607, PASSAIC, NJ	4.11

Ticket Number	Time Out	DEP REG. No.	Hauler	License	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2054971	2:09:19	20947	NYC DOS	AW4983	NY	604055	703084	10	MN03, NEW YORK, NY	5.89
2054972	2:09:54	20947	NYC DOS	AZ2994	NY	20947	703239	10	MN03, NEW YORK, NY	8.09
2054973	2:12:24	20947	NYC DOS	BB5166	NY	606190	-	10	MN09, NEW YORK, NY	3.36
2054974	2:16:12	20947	NYC DOS	BB8822	NY	606377	-	10	MN10, NEW YORK, NY	14.1
2054975	2:16:48	20947	NYC DOS	BC1105	NY	606386	704611	10	MN03, NEW YORK, NY	6.7
2054976	2:18:22	2931	T. FARESE & SONS INC	XBPZ59	NJ	4165	258885	10	Newark City - 0714, ESSEX, NJ	4.31
2054977	2:18:45	20947	NYC DOS	AD4651	NY	604873	-	10	MN07, NEW YORK, NY	1.63
2054978	2:24:13	20947	NYC DOS	AZ9289	NY	605754	703136	10	MN10, NEW YORK, NY	4.58
2054979	2:30:58	32797	INTER-REGIONAL DISPOSAL	AT826Y	NJ	10940	258414	10	New York - 3000, NEW YORK, NY	9.3
2054980	2:40:21	2931	T. FARESE & SONS INC	XHPW27	NJ	9009	258799	10	Clifton City - 1602, PASSAIC, NJ	4.16
2054981	2:45:01	32797	INTER-REGIONAL DISPOSAL	AU636X	NJ	10963	-	10	New York - 3000, NEW YORK, NY	11.39
2054982	2:46:30	20947	NYC DOS	AU7961	NY	603755	-	10	MN07, NEW YORK, NY	8.84
2054983	2:58:03	20947	NYC DOS	AZ1577	NY	20947	-	10	MN07, NEW YORK, NY	11.23
2054984	3:00:18	20947	NYC DOS	BC1148	NY	606383	-	10	MN12, NEW YORK, NY	8.66
2054985	3:06:07	17273	ACTION CARTING	AU234Y	NJ	3504	213031	27	International - 9900, NEW YORK, NY	0.95
2054986	3:07:38	20947	NYC DOS	AZ9290	NY	605752	704669	10	MN10, NEW YORK, NY	9.15
2054987	3:08:39	20947	NYC DOS	BB8343	NY	606382	704644	10	MN10, NEW YORK, NY	8.95
2054988	3:12:35	20947	NYC DOS	BB9287	NY	606376	703120	10	MN10, NEW YORK, NY	8.79
2054989	3:13:50	2931	T. FARESE & SONS INC	XGGW10	NJ	4137	268777	10	Passaic City - 1607, PASSAIC, NJ	6.98
2054990	3:19:33	18571	INTERSTATE WASTE SERVICES	AU174F	NY	4465	-	10	West Orange Township - 0722, ESSEX, NJ	11.36
2054991	3:20:45	8262	F. BASSO JR. RUBBISH REMOVAL	XGIN36	NJ	6801	-	10	Cedar Grove - 0704, ESSEX, NJ	7
2054992	3:21:21	2931	T. FARESE & SONS INC	XBPZ59	NJ	4165	258886	10	Newark City - 0714, ESSEX, NJ	2.85
2054993	3:22:42	20947	NYC DOS	AD5570	NY	604190	704663	10	MN10, NEW YORK, NY	10.79
2054994	3:24:31	18571	INTERSTATE WASTE SERVICES	AS976G	NY	4396	-	10	Orange, City Of - 0717, ESSEX, NJ	12.42
2054995	3:26:56	20947	NYC DOS	AW5636	NY	604053	703181	10	MN10, NEW YORK, NY	5.01
2054996	3:31:25	20947	NYC DOS	AZ3426	NY	20947	-	10	MN03, NEW YORK, NY	7.31
2054997	3:32:58	18571	INTERSTATE WASTE SERVICES	AT890W	NY	4456	-	10	Newark City - 0714, ESSEX, NJ	15.21
2054998	3:33:17	20947	NYC DOS	R27766	NY	7881	-	10	MN07, NEW YORK, NY	11.41
2054999	3:34:27	20947	NYC DOS	BC2094	NY	20947	-	10	MN02, NEW YORK, NY	7.59
2055000	3:34:51	20947	NYC DOS	AZ9519	NY	606074	-	10	MN09, NEW YORK, NY	10.85
2055001	3:37:00	1154	M&M SANITATION	AU947T	NJ	108	-	10	New York - 3000, NEW YORK, NY	12.7
2055002	3:38:13	2931	T. FARESE & SONS INC	XHPW27	NJ	9009	266115	10	Clifton City - 1602, PASSAIC, NJ	1.59
2055003	3:47:41	20947	NYC DOS	BB8653	NY	20947	-	10	MN12, NEW YORK, NY	8.24
2055004	3:49:47	20947	NYC DOS	AD5502	NY	604193	704646	10	MN03, NEW YORK, NY	6.51
2055005	3:54:04	6759	SUBURBAN DISPOSAL CORP	AS700H	NJ	790	-	10	Irvington Township - 0709, ESSEX, NJ	7.5
2055006	3:56:47	20947	NYC DOS	AU7867	NY	603800	-	10	MN07, NEW YORK, NY	8.66
2055007	3:57:18	20947	NYC DOS	AU7832	NY	603725	-	10	MN03, NEW YORK, NY	11.6
2055008	4:08:27	20947	NYC DOS	AU8454	NY	605458	-	10	MN03, NEW YORK, NY	9.48
2055009	4:09:47	2884	LOUIS T. ROSELLE, INC.	AU256X	NJ	766	203627	10	Cedar Grove - 0704, ESSEX, NJ	4.02
2055010	4:10:53	20947	NYC DOS	AZ9730	NY	605925	703287	10	MN03, NEW YORK, NY	7.33
2055011	4:11:52	20947	NYC DOS	AU8034	NY	603668	-	10	MN10, NEW YORK, NY	9.6
2055012	4:13:51	20947	NYC DOS	AU8022	NY	603828	-	10	MN10, NEW YORK, NY	6.64
2055013	4:14:42	20947	NYC DOS	AZ9289	NY	605754	703164	10	MN10, NEW YORK, NY	3.77
2055014	4:17:33	18571	INTERSTATE WASTE SERVICES	AS975G	NY	4395	-	10	Newark City - 0714, ESSEX, NJ	13.77
2055015	4:18:18	20947	NYC DOS	AZ4027	NY	605380	-	10	MN04, NEW YORK, NY	11.88
2055016	4:21:17	20947	NYC DOS	AD5611	NY	604198	-	10	MN10, NEW YORK, NY	2.77

Ticket Number	Time Out	DEP REG. No.	Hauler	License	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2055017	4:21:52	20947	NYC DOS	AZ9294	NY	20947	704655	10	MN03, NEW YORK, NY	6.4
2055018	4:22:42	2884	LOUIS T. ROSELLE, INC.-	XFUN15	NJ	920	-	10	Newark City - 0714, ESSEX, NJ	7.49
2055019	4:24:35	6759	SUBURBAN DISPOSAL CORP	XCVR40	NJ	815	-	10	East Orange City - 0705, ESSEX, NJ	15.71
2055020	4:26:40	2884	LOUIS T. ROSELLE, INC.-	XAVX69	NJ	757	203858	10	Short Hills, ESSEX, NJ	2.73
2055021	4:35:32	6759	SUBURBAN DISPOSAL CORP	ZDBV74	NJ	813	-	10	East Orange City - 0705, ESSEX, NJ	16.03
2055022	4:37:03	17273	WASTE MGT OF NEW JERSEY	AU222K	NJ	9925	246483	27	International - 9900, NEW YORK, NY	8.18
2055023	4:39:46	2931	T. FARESE & SONS INC	XBPZ59	NJ	4165	266155	10	Teaneck Boro - 0260, BERGEN, NJ	2.6
2055024	4:46:47	20947	NYC DOS	AU8D48	NY	7483	-	10	MN04, NEW YORK, NY	4.64
2055025	4:48:57	6759	SUBURBAN DISPOSAL CORP	XCVR48	NJ	781	-	10	East Orange City - 0705, ESSEX, NJ	5.64
2055026	4:49:14	20947	NYC DOS	AE1193	NY	9450	-	10	MN09, NEW YORK, NY	8.07
2055027	4:52:54	6759	SUBURBAN DISPOSAL CORP	XEMT58	NJ	842	-	10	Belleville Township - 0701, ESSEX, NJ	8.05
2055028	4:56:41	32797	INTER-REGIONAL DISPOSAL	AU944G	NJ	10938	-	10	New York - 3000, NEW YORK, NY	15.99
2055029	5:04:45	6759	SUBURBAN DISPOSAL CORP	XE52JJ	NJ	775	-	10	Irvington Township - 0709, ESSEX, NJ	10.87
2055030	5:06:18	17273	WASTE MGT OF NEW JERSEY	AS393P	NJ	9740	245502	27	International - 9900, NEW YORK, NY	6.08
2055031	5:07:02	17273	WASTE MGT OF NEW JERSEY	AN539N	NJ	9473	-	10	Maplewood Township - 0711, ESSEX, NJ	7.28
2055032	5:09:14	28907	WASTE INDUSTRIES	XR979W	NJ	12610	-	10	Verona Borough - 0720, ESSEX, NJ	12.53
2055033	5:13:41	9330	CALI CARTING	XR859N	NJ	6255	-	10	Caldwell Borough - 0703, ESSEX, NJ	14.95
2055034	5:21:01	3660	GAETA RECYCLING	XZ531F	NJ	10462	-	10	Wyckoff Twp - 0270, BERGEN, NJ	12.02
2055035	5:21:38	32797	INTER-REGIONAL DISPOSAL	AT214N	NJ	10957	-	10	New York - 3000, NEW YORK, NY	9.35
2055036	5:23:08	3660	GAETA RECYCLING	AT136H	NJ	10539	-	10	Franklin Lakes - 0220, BERGEN, NJ	13.12
2055038	5:25:42	2931	T. FARESE & SONS INC	X2414D	NJ	4172	-	10	Essex Fells Borough - 0706, ESSEX, NJ	11.42
2055039	5:27:25	33932	VOYAGER	AU757L	NY	18298	24744	27	Totowa Boro - 1612, PASSAIC, NJ	22.49
2055040	5:28:01	28907	WASTE INDUSTRIES	XR563W	NJ	12627	-	10	Verona Borough - 0720, ESSEX, NJ	14.87
2055041	5:34:46	2931	T. FARESE & SONS INC	XEJA93	NJ	4155	268771	10	Clifton City - 1602, PASSAIC, NJ	1.06
2055042	5:35:39	1154	M&M SANITATION	AP438X	NJ	102	-	10	New York - 3000, NEW YORK, NY	7.19
2055043	5:38:01	26174	ADVANCED CONTAINER SERVICE	XBHG90	NJ	8864	230790	10	Paramus Borough - 0246, BERGEN, NJ	7.15
2055045	5:49:46	2884	LOUIS T. ROSELLE, INC.-	XAVX70	NJ	759	203937	10	Irvington Township - 0709, ESSEX, NJ	5.82
2055046	5:50:09	8262	F. BASSO JR. RUBBISH REMOVAL	XGJRS6	NJ	6803	-	10	North Caldwell Township - 0715, ESSEX, NJ	14.29
2055047	5:53:44	18571	INTERSTATE WASTE SERVICES	AU234F	NY	4470	-	10	Newark City - 0714, ESSEX, NJ	11.14
2055048	5:54:04	32797	INTER-REGIONAL DISPOSAL	AS225L	NJ	10949	-	10	New York - 3000, NEW YORK, NY	15.89
2055049	5:55:23	6759	SUBURBAN DISPOSAL CORP	XDMU26	NJ	874	-	10	Glen Ridge - 0708, ESSEX, NJ	10.16
2055051	5:58:01	3660	GAETA RECYCLING	XN455V	NJ	10455	-	10	Wyckoff Twp - 0270, BERGEN, NJ	12.68
2055053	6:00:05	6759	SUBURBAN DISPOSAL CORP	XS174K	NJ	894	-	10	Bloomfield Township - 0702, ESSEX, NJ	10.98
2055054	6:02:21	33932	VOYAGER	AU764L	NY	18303	24748	27	Totowa Boro - 1612, PASSAIC, NJ	22.31
2055055	6:03:29	6759	SUBURBAN DISPOSAL CORP	XCTW46	NJ	800	-	10	Irvington Township - 0709, ESSEX, NJ	2.36
2055057	6:05:35	2884	LOUIS T. ROSELLE, INC.-	XX659X	NJ	754	203783	10	East Orange City - 0705, ESSEX, NJ	10.03
2055061	6:12:56	32797	INTER-REGIONAL DISPOSAL	AU675M	NJ	10965	-	10	New York - 3000, NEW YORK, NY	16.4
2055062	6:14:38	6759	SUBURBAN DISPOSAL CORP	XU448Z	NJ	768	-	10	Irvington Township - 0709, ESSEX, NJ	16.21
2055063	6:15:53	2931	T. FARESE & SONS INC	XFAD18	NJ	4153	266069	27	Elmwood Park - 0213, BERGEN, NJ	13.36
2055065	6:31:11	6759	SUBURBAN DISPOSAL CORP	XDBV73	NJ	878	-	10	West Orange Township - 0722, ESSEX, NJ	16.93
2055066	6:32:11	2931	T. FARESE & SONS INC	XV877Z	NJ	4177	-	10	Newark City - 0714, ESSEX, NJ	6.64
2055067	6:32:53	2931	T. FARESE & SONS INC	XBPZ59	NJ	4165	268779	10	Hackensack City - 0223, BERGEN, NJ	3.37
2055069	6:37:07	18571	INTERSTATE WASTE	AU62JJ	NJ	4510	217026	27	International - 9900, NEW YORK, NY	11.12
2055070	6:39:35	4152	NEWARK SANITATION	MG86991	NJ	1752	-	10	Newark City - 0714, ESSEX, NJ	16.19
2055071	6:40:57	32797	INTER-REGIONAL DISPOSAL	AU636X	NJ	10963	-	10	New York - 3000, NEW YORK, NY	5.97
2055072	6:43:39	2884	LOUIS T. ROSELLE, INC.-	XCX878	NJ	760	-	10	West Orange Township - 0722, ESSEX, NJ	16.05

Ticket Number	Time Out	DEP REG. No.	Hauler	License	State	Truck Decal No.	Trailer Decal No.	Waste Type	Waste Origin (Muni, County, State)	Tons
2055073	6:47:44	1773	SECURE SERVICES SPECIAL WASTE HAULER	AU222K	NJ	9925	246481	27	International - 9900, NEW YORK, NY	11.45
2055074	6:48:51	1154	M&M SANITATION	AR603G	NJ	98	-	10	New York - 3000, NEW YORK, NY	15.17
2055076	6:53:13	2884	LOUIS T. ROSELLE, INC.-	XDNX13	NJ	758	204032	10	Livingston Township - 0710, ESSEX, NJ	1.56
2055078	6:56:21	1154	M&M SANITATION	ASS06A	NJ	100	-	10	New York - 3000, NEW YORK, NY	1.92
2055079	6:58:10	1154	M&M SANITATION	AU947T	NJ	108	-	10	New York - 3000, NEW YORK, NY	4.11
2055080	6:58:58	2884	LOUIS T. ROSELLE, INC.-	AN826C	NJ	836	203915	10	Livingston Township - 0710, ESSEX, NJ	3.46
2055082	7:09:48	7847	GIORDANO COMPANY	XY723E	NJ	3085	210682	10	East Orange City - 0705, ESSEX, NJ	3.14
2055084	7:14:55	20947	NYC DOS	AZ9730	NY	605925	704600	10	MN03, NEW YORK, NY	7.83
2055085	7:19:20	2931	T. FARESE & SONS INC	XX875G	NJ	4147	-	10	Clifton City - 1602, PASSAIC, NJ	9.6
2055086	7:21:00	32797	INTER-REGIONAL DISPOSAL	AU637X	NJ	10964	-	10	New York - 3000, NEW YORK, NY	15.31
2055087	7:24:12	32797	INTER-REGIONAL DISPOSAL	AT616M	NJ	10945	-	10	New York - 3000, NEW YORK, NY	8.91
2055089	7:28:16	20947	NYC DOS	AZ9290	NY	605752	703190	10	MN10, NEW YORK, NY	6.78
2055090	7:40:51	18571	INTERSTATE WASTE SERVICES	AT598F	NY	4438	218441	10	Newark City - 0714, ESSEX, NJ	5.62
2055091	7:42:25	20947	NYC DOS	AZ9294	NY	20947	703233	10	MN03, NEW YORK, NY	7.48
2055092	7:45:36	3660	GAETA RECYCLING	XHGZ99	NJ	10541	256763	27	International - 9900, NEW YORK, NY	0.2
2055094	7:48:31	2931	T. FARESE & SONS INC	XBPZ59	NJ	4165	268722	10	Paramus Borough - 0246, BERGEN, NJ	2.2
2055095	7:56:07	20947	NYC DOS	BB8343	NY	606382	703125	10	MN10, NEW YORK, NY	7.8
2055097	7:59:37	18571	INTERSTATE WASTE SERVICES	AU174F	NY	4465	-	10	East Orange City - 0705, ESSEX, NJ	8.59
2055098	8:05:10	6759	SUBURBAN DISPOSAL CORP	XCRV50	NJ	787	-	10	Irvington Township - 0709, ESSEX, NJ	12.99
2055100	8:14:17	18571	INTERSTATE WASTE SERVICES	AT831J	NY	4450	218428	10	Belleville Township - 0701, ESSEX, NJ	6.52
2055101	8:14:25	9330	CALL CARTING	XDYL17	NJ	6271	-	10	Newark City - 0714, ESSEX, NJ	11.21
2055102	8:15:38	2931	T. FARESE & SONS INC	XEJA93	NJ	4155	273782	10	Clifton City - 1602, PASSAIC, NJ	0.38
Total Tons Received									1349.37	

Attachment 3

**Covanta Essex Company
Operational Data Boiler 3**

Date	Unit ID	Daily Waste Processed (tons)
8/7/2019	MWC 3	968

Data Summary Report



Company: Covanta Essex
Newark, NJ
Data Group: U-3>6 Min Computed
Report Name: No Title
Start of Report: 08/07/2019 00:00
End of Report: 08/07/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G30-C1
Long Descrip.	U-3 Opaci
Short Descrip.	U3-6mnOpac
Units	%
Range	0-100

08/07/2019 00:00	2
08/07/2019 00:06	2
08/07/2019 00:12	2
08/07/2019 00:18	2
08/07/2019 00:24	2
08/07/2019 00:30	2
08/07/2019 00:36	2
08/07/2019 00:42	2
08/07/2019 00:48	2
08/07/2019 00:54	2
08/07/2019 01:00	2
08/07/2019 01:06	2
08/07/2019 01:12	2
08/07/2019 01:18	2
08/07/2019 01:24	2
08/07/2019 01:30	2
08/07/2019 01:36	2
08/07/2019 01:42	2
08/07/2019 01:48	2
08/07/2019 01:54	2
08/07/2019 02:00	2
08/07/2019 02:06	2
08/07/2019 02:12	2
08/07/2019 02:18	2
08/07/2019 02:24	2
08/07/2019 02:30	2
08/07/2019 02:36	2
08/07/2019 02:42	2
08/07/2019 02:48	2
08/07/2019 02:54	2
08/07/2019 03:00	2
08/07/2019 03:06	2
08/07/2019 03:12	2
08/07/2019 03:18	2
08/07/2019 03:24	2
08/07/2019 03:30	2
08/07/2019 03:36	2

Group#-Channel#	G30-C1
Long Descrip.	U-3 Opaci
Short Descrip.	U3-6mnOpac
Units	
Range	0-100

08/07/2019 03:42	2
08/07/2019 03:48	2
08/07/2019 03:54	2
08/07/2019 04:00	
08/07/2019 04:06	
08/07/2019 04:12	2
08/07/2019 04:18	2
08/07/2019 04:24	2
08/07/2019 04:30	2
08/07/2019 04:36	2
08/07/2019 04:42	2
08/07/2019 04:48	2
08/07/2019 04:54	2
08/07/2019 05:00	2
08/07/2019 05:06	2
08/07/2019 05:12	2
08/07/2019 05:18	2
08/07/2019 05:24	2
08/07/2019 05:30	2
08/07/2019 05:36	2
08/07/2019 05:42	2
08/07/2019 05:48	2
08/07/2019 05:54	2
08/07/2019 06:00	2
08/07/2019 06:06	2
08/07/2019 06:12	2
08/07/2019 06:18	2
08/07/2019 06:24	2
08/07/2019 06:30	2
08/07/2019 06:36	2
08/07/2019 06:42	2
08/07/2019 06:48	2
08/07/2019 06:54	2
08/07/2019 07:00	2
08/07/2019 07:06	2
08/07/2019 07:12	2
08/07/2019 07:18	2
08/07/2019 07:24	2
08/07/2019 07:30	2
08/07/2019 07:36	2
08/07/2019 07:42	2
08/07/2019 07:48	2
08/07/2019 07:54	2
08/07/2019 08:00	2
08/07/2019 08:06	2
08/07/2019 08:12	2
08/07/2019 08:18	2
08/07/2019 08:24	2

Group#-Channel#	G30-C1
Long Descrip.	U-3 Opaci
Short Descrip.	U3-6mnOpac
Units	
Range	0-100

08/07/2019 08:30	2
08/07/2019 08:36	2
08/07/2019 08:42	2
08/07/2019 08:48	2
08/07/2019 08:54	2
08/07/2019 09:00	2
08/07/2019 09:06	2
08/07/2019 09:12	2
08/07/2019 09:18	2
08/07/2019 09:24	2
08/07/2019 09:30	2
08/07/2019 09:36	4
08/07/2019 09:42	9
08/07/2019 09:48	11
08/07/2019 09:54	12
08/07/2019 10:00	12
08/07/2019 10:06	11
08/07/2019 10:12	10
08/07/2019 10:18	8
08/07/2019 10:24	6
08/07/2019 10:30	5
08/07/2019 10:36	4
08/07/2019 10:42	4
08/07/2019 10:48	3
08/07/2019 10:54	3
08/07/2019 11:00	2
08/07/2019 11:06	2
08/07/2019 11:12	2
08/07/2019 11:18	2
08/07/2019 11:24	2
08/07/2019 11:30	2
08/07/2019 11:36	2
08/07/2019 11:42	2
08/07/2019 11:48	2
08/07/2019 11:54	2
08/07/2019 12:00	2
08/07/2019 12:06	2
08/07/2019 12:12	2
08/07/2019 12:18	2
08/07/2019 12:24	2
08/07/2019 12:30	2
08/07/2019 12:36	2
08/07/2019 12:42	2
08/07/2019 12:48	2
08/07/2019 12:54	2
08/07/2019 13:00	2
08/07/2019 13:06	2
08/07/2019 13:12	2

Group#-Channel#	G30-C1
Long Descrip.	U-3 Opaci
Short Descrip.	U3-6mnOpac
Units	
Range	0-100

08/07/2019 13:18	2
08/07/2019 13:24	2
08/07/2019 13:30	2
08/07/2019 13:36	2
08/07/2019 13:42	2
08/07/2019 13:48	2
08/07/2019 13:54	2
08/07/2019 14:00	2
08/07/2019 14:06	2
08/07/2019 14:12	2
08/07/2019 14:18	2
08/07/2019 14:24	2
08/07/2019 14:30	2
08/07/2019 14:36	2
08/07/2019 14:42	2
08/07/2019 14:48	2
08/07/2019 14:54	2
08/07/2019 15:00	2
08/07/2019 15:06	2
08/07/2019 15:12	2
08/07/2019 15:18	2
08/07/2019 15:24	2
08/07/2019 15:30	2
08/07/2019 15:36	2
08/07/2019 15:42	2
08/07/2019 15:48	2
08/07/2019 15:54	2
08/07/2019 16:00	2
08/07/2019 16:06	2
08/07/2019 16:12	2
08/07/2019 16:18	2
08/07/2019 16:24	2
08/07/2019 16:30	2
08/07/2019 16:36	2
08/07/2019 16:42	2
08/07/2019 16:48	2
08/07/2019 16:54	2
08/07/2019 17:00	2
08/07/2019 17:06	2
08/07/2019 17:12	2
08/07/2019 17:18	2
08/07/2019 17:24	2
08/07/2019 17:30	2
08/07/2019 17:36	2
08/07/2019 17:42	2
08/07/2019 17:48	2
08/07/2019 17:54	2
08/07/2019 18:00	2

Group#-Channel#	G30-C1
Long Descrip.	U-3 Opaci
Short Descrip.	U3-6mnOpac
Units	
Range	0-100

08/07/2019 18:06	2
08/07/2019 18:12	2
08/07/2019 18:18	2
08/07/2019 18:24	2
08/07/2019 18:30	2
08/07/2019 18:36	2
08/07/2019 18:42	2
08/07/2019 18:48	2
08/07/2019 18:54	2
08/07/2019 19:00	2
08/07/2019 19:06	2
08/07/2019 19:12	2
08/07/2019 19:18	2
08/07/2019 19:24	2
08/07/2019 19:30	2
08/07/2019 19:36	2
08/07/2019 19:42	2
08/07/2019 19:48	2
08/07/2019 19:54	2
08/07/2019 20:00	2
08/07/2019 20:06	2
08/07/2019 20:12	2
08/07/2019 20:18	2
08/07/2019 20:24	2
08/07/2019 20:30	2
08/07/2019 20:36	2
08/07/2019 20:42	2
08/07/2019 20:48	2
08/07/2019 20:54	2
08/07/2019 21:00	2
08/07/2019 21:06	2
08/07/2019 21:12	2
08/07/2019 21:18	2
08/07/2019 21:24	2
08/07/2019 21:30	2
08/07/2019 21:36	2
08/07/2019 21:42	2
08/07/2019 21:48	2
08/07/2019 21:54	2
08/07/2019 22:00	2
08/07/2019 22:06	2
08/07/2019 22:12	2
08/07/2019 22:18	2
08/07/2019 22:24	2
08/07/2019 22:30	2
08/07/2019 22:36	2
08/07/2019 22:42	2
08/07/2019 22:48	2

Group#-Channel#	G30-C1
Long Descrip.	U-3 Opaci
Short Descrip.	U3-6mnOpac
Units	%
Range	0-100

08/07/2019 22:54	2
08/07/2019 23:00	2
08/07/2019 23:06	2
08/07/2019 23:12	2
08/07/2019 23:18	2
08/07/2019 23:24	2
08/07/2019 23:30	2
08/07/2019 23:36	2
08/07/2019 23:42	2
08/07/2019 23:48	2
08/07/2019 23:54	2

Period Average =	2
Period Max Value =	12
Period Min Value =	2
Period Totals =	5.50E+2
Period % Recovery =	99.2

Data Summary Report



Company: Covanta Essex

Newark, NJ

Data Group: U-3>1 Hour Computed

Report Name: No Title

Start of Report: 08/07/2019 00:00

End of Report: 08/07/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G31-C23	G31-C24	G31-C25
Long Descrip.	U3 1-Hour	U3 1-Hour	U3 -1 Hou
Short Descrip.	U3SO2s@7%	U3COs@7%	U3NOxs@7%
Units	ppm	ppm	ppm
Range	0-10000	0-10000	0-10000
08/07/2019 00:00	0	47	101
08/07/2019 01:00	0	45	102
08/07/2019 02:00	0	51	99
08/07/2019 03:00	0 <	47 <	100 <
08/07/2019 04:00	0 <	43 <	99 <
08/07/2019 05:00	0 <	40 <	90 <
08/07/2019 06:00	0	41	89
08/07/2019 07:00	0	49	104
08/07/2019 08:00	0	54	107
08/07/2019 09:00	0 <	207 <	103 <
08/07/2019 10:00	0	45	116
08/07/2019 11:00	0	61	101
08/07/2019 12:00	0	53	120
08/07/2019 13:00	0	40	98
08/07/2019 14:00	0	61	112
08/07/2019 15:00	0 <	37 <	98 <
08/07/2019 16:00	0	42	107
08/07/2019 17:00	0	51	117
08/07/2019 18:00	0	59	110
08/07/2019 19:00	0	34	95
08/07/2019 20:00	0	41	70
08/07/2019 21:00	0 <	45 <	110 <
08/07/2019 22:00	0	49	102
08/07/2019 23:00	0	47	105
Period Average =	0	54	102
Period Max Value =	0	207	120
Period Min Value =	0	34	70
Period Totals =	0.00E+0	1.28E+3	2.45E+3
Period % Recovery =	100.0	100.0	100.0

Data Summary Report



Company: Covanta Essex

Newark, NJ

Data Group: U-3>4 Hour Block Avg

Report Name: No Title

Start of Report: 08/07/2019 00:00

End of Report: 08/07/2019 23:59

Validation: Valid Data Only

Group#-Channel#	G33-C1	G33-C2	G33-C7	G33-C6
Long Descrip.	U3 4-Hour	U3 4-Hour	U3 4-Hour	U3 4-Hour
Short Descrip.	U3CO07 4Hr	U3StmF14Hr	U3BHITp4Hr	U3FurTp4H
Units	ppm @ 7%	Klb/hr	deg F	deg F
Range	0-10000	0-300	0-500	0-2000
08/07/2019 00:00	48	244.9	314	1510
08/07/2019 04:00	43	246.0	310	1520
08/07/2019 08:00	92	234.1	312	1499
08/07/2019 12:00	48	235.8	310	1539
08/07/2019 16:00	47	243.4	318	1510
08/07/2019 20:00	46	245.7	313	1512
Period Average =	54	241.7	313	1515
Period Max Value =	92	246.0	318	1539
Period Min Value =	43	234.1	310	1499
Period Totals =	3.24E+2	1.44E+3	1.87E+3	9.09E+3
Period % Recovery =	100.0	100.0	100.0	100.0

Data Summary Report

Company: Covanta Essex
Newark, NJ
Data Group: U-3>24 Hour Block Av
Report Name: No Title
Start of Report: 08/07/2019 00:00
End of Report: 08/07/2019 23:59



Validation: Valid Data Only

Group#-Channel#	G35-C2	G35-C3
Long Descrip.	U3 24 Hou	U3 24 Hou
Short Descrip.	U3SO2@7 24	U3NOX@7 24
Units	ppm @ 7%	ppm @ 7%
Range	0-10000	0-10000

08/07/2019 00:00	0.0	102.3
Period Average =	0.0	102.3
Period Max Value =	0.0	102.3
Period Min Value =	0.0	102.3
Period Totals =	0.00E+0	1.02E+2
Period % Recovery =	100.0	100.0



Powering Today Protecting Tomorrow

Covanta Essex Company
183 Raymond Boulevard
Newark, NJ 07105-4725
Tel: 973-344-0900
Fax: 973-344-4999

November 5, 2019

Mr. Jeffrey Meyer, Manager
NJDEP
Bureau of Air & Environmental Quality Enforcement
Northern Regional Office
7 Ridgedale Avenue
Cedar Knolls, NJ 07927

Subject: Essex County Resource Recovery Facility (ECRRF)
Program Interest (Title V) Number 07736
Response to Additional Request for Information

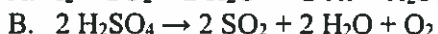
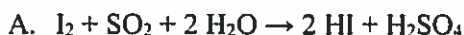
Dear Mr. Meyer:

On behalf of Covanta Essex Company, below are the responses to the request for additional information presented in your letter dated October 9, 2019, which was received on October 15, 2019, based on the Covanta Essex Response Letter dated July 12, 2019 pertaining to the opacity exceedance reported on June 19, 2019.

Our response to your questions on sulfuric acid (H₂SO₄) are based on two reports previously submitted to the Department; 1) May 2018 source compliance test and 2) dispersion modeling results from the October 2018 Air Quality Evaluation and Modeling Report submitted to the Department as part of the Hazardous Air Pollutants Risk Assessment that was done as part of the Title V Operating Permit renewal that is currently in progress with the Department. We have also used an independent third party to help with these responses; namely the Chemical Engineering Department of the City College of New York.

1. Calculate the H₂SO₄ mass emission rate:

The Department's question is based on Equation A presented below;



Equation B provides a more complete assessment of the series of reactions that occur. In the first reaction noted by the Department, the reaction between I₂ and SO₂ will generate H₂SO₄. The City College of New York notes that in the second reaction, generated H₂SO₄ will decompose to SO₂ under high temperature as present at the facility. When I₂ is present, SO₂ will continue to react with I₂ until I₂ is depleted.

The stack emission factors from the May 2018 source compliance test report identified an average H₂SO₄ rate of < 0.0479 pound per hour (lb/hr) which is proportional to < 0.0305 parts per million, dry gas basis at 7 % O₂ (ppmdv7). The less than (<) symbol is included because the test report did not identify H₂SO₄ being present above the detection limit.

Based on the 2-step chemical reaction series identified above, there should not be an increase in the H₂SO₄ emission rate due to the presence of iodine in the waste.

2. Address the health impacts of the H₂SO₄ produced. Since H₂SO₄ has a short-term RfC (120 ug/m³, 1-hour averaging time), the maximum offsite impacts of H₂SO₄ should be determined using its hourly emission rate and stack discharge parameters which are present during the I₂ incidents.

As noted, the May 2018 source compliance test reported a H₂SO₄ mass emission rate of 0.0479 lb/hr from one of the three units which is proportional to 0.018 parts per million (ppm) at the actual flue gas discharge temperature of 315° Fahrenheit (F). With three units on line, the mass emission rate would be < 0.1437 lb/hr, however, the average actual concentration at the stack would remain as < 0.018 ppm. The worst case 1-hour ambient dispersion modelling factor from the Hazardous Air Pollutants Risk Assessment was applied to the actual stack H₂SO₄ emission concentration. Dispersion modeling predicts an ambient H₂SO₄ concentration of < 5.0 E -05 ug/m³ which is significantly lower (7 orders of magnitude) than the RfC cited by the Department of 120 ug/m³ as a 1-hour average.

3. Address any potential health impacts of I₂ using the stack parameters as stated above in item no. 2.

No potential health impact of I₂ emissions are expected based on the stack parameters above. The estimated worst case 1-hour ambient I₂ impact of 0.0078 ppm, is significantly lower than 1-hour average workplace exposure limits.

4. What actions Covanta Essex has planned and taken to inspect incoming loads of waste to their facility for Iodine.

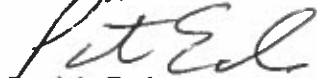
See the attached Plan to Minimize the Presence of Iodine in Incoming Waste Loads to Covanta's Essex County Resource Recovery Facility for the actions that Covanta Essex has taken and plans to identify iodine in the MSW that is received at the facility.

5. What actions Covanta Essex has planned and taken to train customers who may be the likely sources of the Iodine Waste on how to prevent such waste from entering the waste stream, including legal, environmentally sound alternatives to discarding the Iodine Waste in the trash or to find other outlets for this waste.

The attached Plan to Minimize the Presence of Iodine in Incoming Waste Loads to Covanta's Essex County Resource Recovery Facility also includes efforts to educate haulers and their customers on the effects caused by processing of waste with iodine at the ECRRF along with illustrations of products that contain iodine.

If you should need any additional information or have any questions, please feel free to call me at 973-817-7322 or email me at pearls@covanta.com.

Sincerely,



Patricia Earls

New Jersey Regional Environmental Manager

cc: Rajendra Gandhi, NJDEP Solid Waste Enforcement (via Email)
Scott Michenfelder, NJDEP Air Enforcement (via Email)

Attachment 1

Plan to Minimize the Presence of Iodine in Incoming Waste Loads to Covanta's Essex County Resource Recovery Facility (ECRRF)

To minimize or eliminate the presence of iodine in the MSW that is received and processed at the Essex County Resource Recovery Facility (ECRRF), the following actions have been and continue to be implemented by Covanta Essex Company:

Hospital Waste Inspections

- Due to the volume of povidone iodine solution that is used by hospitals as antiseptic for various medical procedures conducted at the hospitals, waste delivered from hospitals has been the focus of detailed inspections by the tipping floor operators. A review of waste receipts from haulers was performed and it was determined that there are several haulers who bring containers that are dedicated loads from several major hospitals in Essex county.
- A procedure has been implemented since September 1, 2019 where haulers have been asked to identify loads from hospitals on the Origin & Disposal (O&D) form that is presented to the scale house when they arrive at the facility. The name of the hospital is also specified.
- The procedure for identifying and inspecting loads from hospitals is included as Appendix A to this Plan. The inspection form that was created for these inspections for use by the tipping floor operators is also attached.
- Once the loads are unloaded for inspection on the tipping floor and deemed to be acceptable, they are pushed into the refuse pit by the front-end loader. The crane operators mix the waste with other refuse already in the refuse pit and feed that waste exclusively into the Boiler 1 feed hopper.

Type 27 Waste Inspections

- Iodine has many uses including as an additive to nutrition products, and a wide range of medical, agricultural, and industrial applications. The leading application of iodine is in the production of X-ray contrast media (22%). Another application of iodine is in polarizing film in liquid crystal display (LCD) screens, where iodine is incorporated as a polyiodide (I3- or I5-). Potassium iodide is used in iodine tablets to be taken during nuclear accidents to protect the thyroid against exposure to radioactive iodine. Iodine based biocides are often used in paints as an in-can preservative as well as to prevent mold growth after application. Other applications include pharmaceuticals, disinfectant iodophors and povidone-iodine, fluoride derivatives, heat stabilization of nylon, or as process enabler in polymerization of plastics or other processes requiring chemical synthesis.
- Since some of the other uses for iodine include manufacturing and industrial uses, inspections by tipping floor operators are now planned to be expanded to include Type 27 waste deliveries to the facility. A similar procedure will be established to the above referenced procedure for hospital load inspections.

Distribution of Informational Flyer

- In order to inform our haulers and their customers of the problems caused by iodine in the waste stream for the ECRRF, a flyer has been distributed to the Essex County Utility Authority (ECUA) which they have included in their billings to all Essex county haulers to alert them of the issue. We have also sent the flyer to all the commercial haulers that deliver waste to the ECRRF. This flyer has also been sent to the Department of Sanitation of New York (DSNY) to alert them to the problems created by having iodine in waste delivered to the ECRRF. A copy of the current flyer being used is included as Appendix B.

Outreach to Hospitals

- In addition to distribution of the informational flyer referenced above, direct outreach by phone to known hospitals that have waste delivered to the Essex facility is in progress. The major hospitals that are included in the outreach include:
 - St. Barnabas Medical Center, Livingston, NJ
 - Clara Maass Medical Center, Belleville, NJ
 - Beth Israel Medical Center, Newark, NJ
 - St. Michael's Medical Center, Newark, NJ
 - UMDNJ Hospital, Newark, NJ
 - East Orange General Hospital, East Orange, NJ
 - VA Medical Center, East Orange, NJ
- In the case of the first three hospitals listed above, we have contacted the hauler for those hospitals, Interstate Waste Services (IWS), and due to their privacy and confidentiality policies for their customers, we have not been able to contact the hospitals directly. However, IWS has assured us that they will inform their customers of our concerns regarding iodine in the waste and would distribute the informational flyer to them as well.
- To date, Covanta was only able to obtain information on handling and disposal practices for iodine from one hospital, the UMDNJ Hospital located here in Newark. An empty bottle of povidone iodine was discovered in one of their hospital loads by a tipping floor operator. Contact was made with UMDNJ regarding the empty bottle which was found on 9/26/19. The Director of Environmental Services, Kyle Sangiova, stated that all expired non-hazardous and hazardous chemicals are disposed separately from their MSW with a specialty chemical vendor. All non-hazardous material containers are required to be triple rinsed before discarding with MSW. He stated he would review this procedure with his staff since we found the empty bottle that was not rinsed. Based on his response, we do not believe that UMDNJ should be a source of potential iodine waste.
- There has been some difficulty in obtaining the correct contact information from the other hospitals in Essex county for the person who has knowledge of the practices for handling and disposal of expired povidone iodine and other potential sources of iodine including some medications. Efforts to reach out to these hospitals continues.

Identification of Other Potential Generators of Iodinated Waste

- In an effort to identify other potential generators of iodine waste in Essex county and New York City where most of the waste delivered to the ECRRF originates from, a search has been conducted by Covanta Essex Company staff to identify all other medical sources of iodine besides the known hospitals that have waste delivered to Essex. The list of other medical sources includes dental offices, veterinary hospitals and offices, urgent care facilities, surgery centers, dialysis centers, and doctor's offices. This information will be reviewed and any correlations to the origin of waste that is delivered prior to recent purple plume events will be examined to determine if there is a pattern that might indicate a potential source of the iodine in the waste.
- This search is planned to be expanded to manufacturing and industrial sources of Type 27 waste that may use iodine in their process.

Other Outlets for Iodine Waste

- Iochem Corporation is the largest producer of medical grade iodine in North America. Adam Cole of Iochem Corporation contacted Covanta Essex Company after seeing a news story about the purple plume issues resulting from iodine in the waste. Mr. Cole offered to take any recovered iodine in BULK quantities for free at their facility in Oklahoma. They will consider smaller quantities in bottles depending on the quantity. In the event that Covanta identifies hospitals or other sources that need assistance with disposal of any expired iodine containing material, this can be an alternative for disposal of that material in an environmentally sound way.

Appendix A

COVANTA ESSEX HOSPITAL LOAD INSPECTION PROCEDURE

1. FLAGGING LOADS AT SCALEHOUSE

- a. Haulers delivering from hospitals in Essex County will be identifying loads from hospitals on the O&D forms going forward. The current known haulers are but not limited to:
 - i. Interstate Waste Services (IWS)
 - ii. T. Farese
 - iii. LT Roselle; and
 - iv. Giordano Company
- b. These loads are typically compactor loads that contain 100% hospital waste.
- c. The scalehouse operator is to make a note on the stage ticket that the load is from a hospital by marking "Hospital" on the ticket for the tipping floor operator.
- d. The scalehouse operator will notify the tipping floor operators by radio on Channel 6 either directly or with the help of the security guard that a hospital load is en route to the tipping floor.

2. WASTE INSPECTIONS ON THE TIPPING FLOOR

- a. Once a notification is received from the scale house or the "Hospital" notation is observed on the stage ticket at the North entrance door, the tipping floor operator will have Bay #4 cleared if there is waste in the bay so that the hospital load can be dumped into Bay #4 for a closer inspection. Hold the truck at the door until Bay 4 is ready to receive the load.
- b. Once the load is dumped into Bay 4 and the truck has left the bay and it is safe to do so, the tipping floor operator will walk over to Bay 4 for a closer visual inspection of the load. The ***"Covanta Essex Hospital Load Inspection Form"*** (attached) will be used to document the inspection. To provide for the operator's safety, no loads are to be dumped in Bay 3 or Bay 5 during the inspection.
- c. A visual inspection of the load will be conducted to determine if there are any containers of iodine containing material or any medications which contain iodine. The operator will use the visual aids provided for examples of this material to determine if it is visibly present in the load.
 - i. The inspector will conduct a visual inspection only and will not handle the load or the materials directly.
 - ii. The inspector may use a long handled tool such as a fire hook to move materials as needed.
- d. If nothing is observed that appears to contain iodine, the operator will note that the load is acceptable on the inspection form and the load can be pushed into the refuse pit.

**COVANTA ESSEX PROCEDURE FOR FLAGGING AND INSPECTION OF WASTE LOADS FROM
HOSPITALS**

Page 2

- e. If material is identified that may contain iodine, the operator will note this on the inspection form and will contact the Shift Supervisor, Chief Engineer, and/or Environmental Specialist for further instructions. The load is to be left in Bay 4 until the material can be examined by one of the above supervisors.
- f. If it is determined that the material does appear to contain iodine, the material will be isolated in the unacceptable waste container on the tipping floor for alternate disposal.
- g. The customer, hauler, and Essex County will be notified of the material observed in the compactor.

COVANTA ESSEX HOSPITAL LOAD INSPECTION FORM

BAY ASSIGNMENT: 2 3 4 5 6 7 8 9 10 11 12 13 14 15															CIRCLE BAY # ASSIGNED
INSPECTOR:					VEHICLE DATA:					COMPANY VEHICLE # _____					
DATE:					TYPE OF VEHICLE		NJDEP Decal #								
TIME:					TRUCK					License Plate #					
HAULER:					COMPACTOR / ROLL-OFF (circle one)										
					STAGE TICKET #										
					UNACCEPTABLE WASTE TYPES AND IDENTIFIERS										
IODINE WASTE: LIQUID IODINE _____ ANTISEPTIC IODINE _____ BETADINE MATERIAL _____ MEDICATIONS W/IODINE _____ PROVODINE IODINE _____ OTHER _____															
OVERALL RESULTS: ACCEPTABLE LOAD _____ UNACCEPTABLE LOAD _____															
COMMENTS:															
PICTURE TAKEN: YES _____ NO _____															
FOR REJECTED LOADS CONTACT ONE OF THE FOLLOWING INDIVIDUALS IMMEDIATELY UPON REJECTION:															
1) SHIFT SUPERVISOR ON DUTY															
2) ENVIRONMENTAL SPECIALIST															
2) OPERATIONS MANAGER															
*NOTE: CONTACT IN THE ORDER LISTED / CHECK BOX OF THE INDIVIDUAL THAT WAS CONTACTED															

Appendix B

What is the Purple Plume?

Visible evidence that iodine is in the waste stream

WE NEED YOUR HELP!!

Please Keep Iodine Out of the Waste Stream



We need your help in preventing iodine from getting into the waste that you deliver to the Covanta Essex Energy-from-Waste facility. Combustion of iodine can lead to the discharge of unwanted, visible Pink/Purple plumes from the facility stack.

If you have waste that contains iodine, please contact [Jack Bernardino](mailto:Jack.Bernardino@covanta.com) at 732-956-1436.

**Covanta Essex thanks you
for your cooperation!**

183 Raymond Blvd
Newark, NJ 07105



COVANTA

VIA E-MAIL AND CERTIFIED MAIL

December 20, 2019

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Re: Covanta Essex Company – Draft Purple Plume Prevention Plan

Dear Ms. Wormley and Mr. Hastry:

On behalf of Covanta Essex Company (“Covanta”), I am writing in furtherance of our meeting on December 10th to discuss Covanta’s ongoing efforts to prevent purple (iodinated) plumes at the Essex County Resource Recovery Facility (“Facility”) located at 183 Raymond Boulevard in Newark. Covanta understands and appreciates the concerns expressed by the Ironbound Community Corporation and the New Jersey Department of Environmental Protection (“DEP”) regarding these atypical visible emissions, and we are committed to finding a solution to prevent their occurrence.

As explained in the presentation that we shared with you last week, a copy of which is attached, a plume with a pink to purple color is caused when sufficient quantities of iodine are present in municipal solid waste and/or other nonhazardous waste (Type 10 and 27) that is combusted in the Facility’s boilers. Covanta has been working rigorously to develop a two-pronged solution to prevent the occurrence of purple plumes: (1) develop a robust set of plans and procedures to prevent delivery of iodinated waste to the Facility in the first instance, and (2) in the event that iodinated waste nevertheless makes its way into the boilers, to have a system in place to reduce iodine emissions and thus minimize the formation of a purple plume.

The purpose of this letter is to present in DRAFT form our proposed strategy to address the five (5) specific action items identified by DEP for inclusion in Covanta’s Purple Plume Prevention Plan:

1. Review and evaluate efforts made to date/planned to identify potential generators/sources of iodinated waste to prevent further deliveries of such waste to the Facility.
2. Review and evaluate the effectiveness of waste acceptance practices and other Best Management Practices (BMP) to screen/manage waste once it arrives at the Facility.
3. Evaluate potential human health risks associated with purple plume emissions.
4. Review and evaluate Covanta's community outreach practices in general, as well as upon occurrence of a purple plume event.
5. Review and evaluate the safety and efficacy of the proposed purple plume mitigation system

In response to DEP's request, Covanta will secure the services of independent contractors to review past and present efforts to prevent purple plume events, results obtained to date, and other ideas for consideration. Purple plumes are not acceptable to us and we welcome all efforts to prevent delivery of iodinated waste to the Facility.

Covanta's proposed approaches to the five action items, further detailed in Covanta's Purple Plume Prevention Plan attached, are as follows:

- The attached responses to action items 1 and 2 identify a wide range of efforts already implemented by the Facility to identify potential sources of iodinated waste, to prevent delivery of such waste to the Facility, and to detect the presence of iodinated waste on the Facility's tipping floor to keep it from reaching the boilers. Those efforts are continuing; however, to date we have not identified a generator of iodinated waste that can be linked to the plume events at the facility. We are also installing high resolution digital cameras that will record all waste charged to a boiler. If a purple plume should develop, those cameras and back up files would assist in identifying the nature of the waste and potential identification of the source (hauler/generator). Other technology-based solutions under consideration include iodine monitors in the pit area.
- The response to action item 3 will include 2 parts with Part 1 being an assessment of ground level impacts of iodine and Part 2 being an assessment of established iodine exposure standards. Part 1 will be based on a recently completed facility-wide risk screening assessment completed in connection with the Facility's Title V operating permit renewal. That report -- "Air Quality Evaluation and Modeling Report, Hazardous Air Pollutants Risk Assessment" -- was submitted to DEP on October 4, 2018. The report includes ambient impacts determined from dispersion modeling using the U.S. Environmental Protection Agency AERMOD model, and was designed to correlate facility operating conditions with short term and long term ground level impacts. The results from Part 1 will be compared to established iodine exposure standards and will serve as the foundation for a timely and complete evaluation of potential human health risks associated with purple plumes.
- The Facility's response to action item 4 identifies all recent community outreach efforts. With regard to purple plume events, Covanta has engaged with local and regional media including the *Star-Ledger*, *Newark Patch*, *News 12 NJ* and *CBS 2 New York* to educate the public and explain the events. The facility also created an educational flyer/poster used for outreach to customers, haulers and hospitals that explains the type of waste that may contain iodine and provides

contact information to discuss alternative disposal options. We will be formulating a plan for alerting the local community in the event of a purple plume. In the meantime, the annual Open Public Meeting for the Facility occurred at the Blueprint Café (369 Raymond Boulevard, Newark), on December 18, 2019, during which we responded to questions from the public based on currently available information.

- In response to action item 5, the Facility has been actively involved in the development of a possible purple plume prevention technology. A test skid for one boiler (unit) is currently scheduled for delivery in the January-February time frame with testing scheduled to occur sometime in the 1st quarter of 2020. Testing would be limited to demonstrating that the injection of sodium thiosulfate solution promotes the formation of sulfur dioxide, which in turn reacts with iodine to prevent a plume from developing. This mitigation technology is in the development phase and would only be used when a plume is developing; it would not be in operation on a continuous basis. Implementation on all 3 combustion units at the Facility would occur only following a complete evaluation of the technology, and subject to any necessary DEP approvals.

We are evaluating qualified independent contractors so that we can implement their review as soon as we arrive at a final plan. We expect that each action item may require its own contractor or contractors and that each action will also have its own implementation schedule. The plan is to implement each as soon as possible.

We look forward to your feedback on this draft action plan however that does not mean that we have stopped researching the issues. Efforts on each of the five action items are continuing and will continue as we wait for your response. We are available to discuss at your convenience.

If you have any questions, please contact Patricia Earls at 973-817-7322 or pearls@covanta.com.

Sincerely,



David Blackmore
Facility Manager

Cc: Anthony Fontana, Solid Waste Permitting
(anthony.fontana@dep.nj.gov)
Jeffrey Meyer, Northern Regional Air Enforcement Field Office
(jeffrey.meyer@dep.nj.gov)
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Scott Michenfelder, Northern Regional Air Enforcement Field Office
(scott.michenfelder@dep.nj.gov)
Brian Bahor, Covanta
Jack Bernardino, Covanta
Patricia Earls, Covanta

DRAFT
Covanta Essex Purple Plume Prevention Plan

Action Item	Action
1	Review and evaluate efforts made to date/planned to identify potential generators/sources of iodinated waste to prevent further deliveries of such waste to the Facility.
2	Review and evaluate the effectiveness of waste acceptance practices and other Best Management Practices (BMP's) to screen/manage waste once it arrives at the Facility.
3	Evaluate potential human health risks associated with purple plume emissions.
4	Review and evaluate Covanta's community outreach practices in general, as well as upon occurrence of a purple plume.
5	Review and evaluate the safety and efficacy of the proposed purple plume mitigation system.

DRAFT Action Item # 1

1.0 Action

Review and evaluate efforts made to date/planned to identify potential generators/sources of iodinated waste to prevent further deliveries of such waste to the Facility.

1.1 Purpose

An independent contractor will review past and ongoing efforts to identify generators who could be the source of iodinated waste causing colored plumes.

1.2 Goal

Prevent further deliveries of iodinated waste.

1.3 Scope of contractor review

1.3.1 Background

Table 1 summarizes the outreach and inspection plan including a brief summary of efforts to date by Covanta Essex to investigate generators and haulers and inspections at Covanta Essex. This plan is an evolving work-in-progress and is updated to include lessons learned and new information and ideas.

1.3.2 Scope of contractor review

The independent contractor will review efforts outlined in Table A to identify and contact generators and to inspect deliveries of hospital waste and other non-hazardous waste known as Type 10 & 27. Contractor's review should consider any new ideas or approaches that would improve that outreach effort to prevent deliveries and/or activities at site to inspect waste deliveries.

Table A Outreach and Inspection Plan for Iodine Bearing Waste

A.1 Purpose

To minimize or eliminate the presence of iodine in the MSW that is received and processed at the Facility, the following actions have been and continue to be implemented by Covanta Essex:

A.2 Outreach to generators

Direct contact with generators and haulers where possible

Goal	Activity
Inform haulers and customers that iodine in waste is not acceptable	A flyer in English and Spanish has been distributed to the Essex County Utility Authority (ECUA) and has been included in their billings to all Essex County haulers
	That same flyer was mailed to all the commercial haulers that deliver waste to the Facility
	That same flyer has also been sent to the Department of Sanitation of New York (DSNY)
	Covanta hosted its annual Hauler Day at the Facility on 11/21/19 and the flyer was also handed out to drivers on the tipping floor that day.
Transfer Station waste	Transfer stations in Paterson and Totowa owned by Covanta affiliates separate out hospital waste from other waste and divert this waste to landfill to minimize amount of this waste sent to the Facility.
Direct outreach by phone to hospitals that have waste delivered to the Facility. Major hospitals include;	<ul style="list-style-type: none"> • St. Barnabas Medical Center, Livingston, NJ • Clara Maass Medical Center, Belleville, NJ • Beth Israel Medical Center, Newark, NJ • St. Michael’s Medical Center, Newark, NJ • UMDNJ Hospital, Newark, NJ • East Orange General Hospital, East Orange, NJ • VA Medical Center, East Orange, NJ
Contacted Interstate Waste Services (IWS), the hauler for:	<ul style="list-style-type: none"> • St. Barnabas Medical Center, Livingston, NJ • Clara Maass Medical Center, Belleville, NJ • Beth Israel Medical Center, Newark, NJ
	IWS is to distribute our iodine flyer to the hospitals
Other hospitals	Attempting to reach out to others – but identifying responsible party for handling and disposal of waste is not always clear. With the help of the Essex County SWAC, we have enlisted the services of their consultant, Mr. Wayne DeFeo, to assist in contacting hospitals in Essex County that have waste delivered to the Facility.
Findings to date	One empty bottle and one small packet of povidone iodine solution from UMDNJ from tipping floor inspection

Identify other sources of iodinated waste.

Goal	Activity
Identify other generators beyond hospitals	Evaluating generators in Essex County, Passaic County and New York City
	Medical service providers including dental offices, veterinary hospitals and offices, urgent care facilities, surgery centers, dialysis centers, doctor's offices, and X-ray contrast media producers
	Adding chemical companies and food manufacturers
	Compare waste delivery schedule with past plume events

A.3 Facility Inspections

A.3.1 Hospital Waste Inspections

Goal	Activity
Prevent iodinated waste from hospitals from being mixed in the pit	Haulers have to identify loads from hospitals on the Origin and Disposal form that is presented to the scale house. The name of the hospital is specified on the form and this is noted on the stage ticket by the scale house operator
	Tipping floor inspections of loads with stage ticket marked "Hospital"
	Waste is pushed into the pit ONLY after the load is inspected and cleared for acceptance

A.3.2 Other Type 10 and Type 27 Waste Inspections

Goal	Activity
Prevent iodinated waste from industrial or commercial generators from being mixed in the pit (a)	Haulers have to identify Type 27 loads on the Origin and Disposal form that is presented to the scale house. The stage ticket is marked "Type 27" by the scale house operator
	Tipping floor inspections are performed on these loads on the tipping floor.
	Waste is pushed into the pit ONLY after the load is inspected and cleared for acceptance
	A review of customers delivering waste to the Facility either the day before or the day of a purple plume event for the last 5 years was performed to determine if there was any pattern that might indicate a potential source of iodine. A list of customers was generated and will now also be the target of detailed inspections. These customers include both Type 10 and Type 27 waste types. This is in addition to the normal inspections which is performed on 10% of the incoming trucks per day.

- (a) Iodine has many uses including as an additive to nutrition products, and a wide range of medical, agricultural, and industrial applications. The leading application of iodine is in the production of X-ray contrast media (22%). Another application of iodine is in polarizing film in liquid crystal display (LCD) screens, where iodine is incorporated as a polyiodide (I₃⁻ or I₅⁻). Potassium iodide is used in iodine tablets to be taken during nuclear accidents to protect the thyroid against exposure to radioactive iodine. Iodine based biocides are often used in paints as an in-can preservative as well as to prevent mold growth after application. Other applications include pharmaceuticals, disinfectant iodophors and povidone-iodine, fluoride derivatives, heat stabilization of nylon, or as process enabler in polymerization of plastics or other processes requiring chemical synthesis. An additional use of iodine is in Red Dye #3 which is a dye used in various food products and printing ink. Red dye #3 contains 58% iodine.

DRAFT Action Item # 2

2.0 Action

Review and evaluate the effectiveness of waste acceptance practices and other Best Management Practices (BMP) to screen/manage waste once it arrives at the Facility

2.1 Purpose

Evaluate existing practices to investigate content of trucks delivered to the facility.

2.2 Goal

If an iodinated waste is delivered to the facility, prevent it from being combusted.

2.3 Scope of contractor review

Review existing practices and procedures. Review must consider health and safety of personnel on site while facility is conducting normal business practices.

DRAFT Action Item # 3

3.0 Action

Evaluate potential human health risks associated with purple plumes.

3.1 Purpose

An independent contractor will review results from the recent dispersion modeling report to determine the ground level impacts of iodine and possible health impacts.

3.2 Goal

Estimate the ground level impact of iodine and how it compares with documented health-based standards.

3.3 Scope of contractor review

3.3.1 Background

Covanta recently completed a facility-wide risk screening assessment in connection with the Facility's Title V operating permit renewal. That report -- "Air Quality Evaluation and Modeling Report, Hazardous Air Pollutants Risk Assessment" -- was submitted to DEP on October 4, 2018. This report is described as a second-level risk screening assessment which determined ambient impacts from dispersion modeling from application of U.S. Environmental Protection Agency's AERMOD model. Second-level screening is a more rigorous evaluation as compared to first-level screening which uses dispersion look-up tables and DEP's risk screening spreadsheet.

The report was designed to correlate facility operating conditions with short term and long term ambient impacts. The results provide the ability to estimate ambient level iodine concentrations for comparison with established iodine exposure standards.

3.3.2 Scope of contractor review

The response to action item 3 will include 2 parts with Part 1 being an assessment of ground level impacts of iodine and Part 2 being an assessment of established iodine exposure standards. Part 1 will be based on the recently completed facility-wide risk screening assessment "Air Quality Evaluation and Modeling Report, Hazardous Air Pollutants Risk Assessment" completed in connection with the Facility's Title V operating permit renewal.

Part 2 will include a survey of recognized exposure standards for iodine for comparison with estimate ground level impacts.

DRAFT Action Item # 4

4.0 Review and evaluate Covanta’s community outreach practices in general, as well as upon occurrence of a purple plume.

4.1 Purpose

Ensure effectiveness of community outreach practices, including timely communication in the event of a purple plume.

4.2 Goal

Covanta, along with Corporate Outreach and Communication resources will continue to plan community outreach activities as has been done historically. In addition, Covanta will investigate methodologies for communicating relevant operational information, including incidents involving a purple plume, to the community.

4.3 Scope

Develop outreach activities and present options on an immediate notification in the event of a purple plume.

4.3.1 Background

Community Outreach is typically targeted at developing long term, meaningful relationships with various members and groups within the community. Covanta has participated in a number of events to support various initiatives and address issues within its community.

Historically, operational information, whether routine or a deviation have not been communicated to the community directly, unless triggered as part of a specific incident with possible immediate impacts to the community or environment.

4.3.2 Scope of Contractor Review – general community outreach

An Agency with expertise in Marketing and Communications will review the Facility’s outreach activities and communication actions including options on an immediate notification in the event of a plume.

Goal	Activity
Plan Community Outreach Activities	Follow past practice to develop an outreach strategy appropriate for the facility stakeholders and local community.
Investigate Communication Methodologies	Determine what information and what timeframe is appropriate to communicate to the community.
	Investigate communication technologies appropriate for large scale communication of information.

Examples of previous outreach activities in 2018 and 2019 that would be reviewed to determine appropriateness for 2020 include:

- 1.0 Meet periodically with stakeholders:
 - Essex County Utilities Authority
 - Essex County Executive
 - City of Newark
 - Ironbound Community Corporation
 - Ironbound Business District
 - Newark Board of Education
- 2.0 Member Essex County Solid Waste Advisory Committee
- 3.0 Member Newark Regional Business Partnership
- 4.0 Accept Pharmaceutical Takeback:
 - Newark Police
 - Essex County
 - New Jersey Field Office DEA
- 5.0 Board member and Participant in NJ Clean Communities Program (includes litter cleanup at Valisburg Park)
- 6.0 Food Drive to benefit Pierre Toussaint Food Pantry Newark
- 7.0 Event Sponsor
 - Millburn Township Earth Day
 - Essex County Parks Earth Day
 - Holiday Lights at Turtleback Zoo
 - Giraffe Exhibit at Turtleback Zoo
- 8.0 Coordinate with Go Green Initiative pilot in Newark City School District. Provide support for Sustainable Jersey School Certification
- 9.0 Sustainable Jersey Sponsor
- 10.0 Donated reusable water bottles to Miller Street School for field trip and to teach about waste reduction
- 11.0 Conduct tours for visitors from NJIT, Rutgers, other community groups
- 12.0 Host Annual Open House
- 13.0 Sponsor 4E-waste collection events (1 in Ironbound)
- 14.0 Install Rain Garden at St. Benedict's School in Newark
- 15.0 Newark Sustainability Summit Participant
- 16.0 Hosted a 4-week summer program for Boys and Girls Club
- 17.0 Publish Quarterly Newsletter to the Community & Stakeholders

4.3.3 Scope of Contractor Review – community outreach for an event

An Agency with expertise in Marketing and Communications will review Covanta’s proposed outreach activities and communication actions including options on an immediate notification in the event of a plume.

Goal	Activity
Evaluate Outreach and Communication Plan	Engage an Agency with Marketing and Communications expertise to review Covanta Essex’s proposed outreach activities and communication actions, which will include an option for notification in the event of a plume.

DRAFT: Action Item # 5

5.0 Review and evaluate the safety and efficacy of the proposed purple plume prevention system

5.1 Purpose

An independent contractor will review the plan to use sodium thiosulfate to prevent a purple plume. Note that the addition of sodium thiosulfate is proposed only during a purple plume event and would not be in continuous operation.

5.2 Goal

Evaluate viability of sodium thiosulfate and other possible options for preventing the plume.

5.3 Scope of contractor review

5.3.1 Background

A colored plume with a pink to purple color is due to iodine in municipal solid waste and/or other nonhazardous waste (Type 10 and 27) that is combusted in a municipal waste combustor (MWC) at the Facility. Iodine is converted to a component of flue gas including I_2 which is the form that promotes a pinkish/purplish plume. Control of I_2 requires mitigation technology in an addition to the existing air pollution control systems. The proposed sodium thiosulfate (ST) system would only inject a ST solution when needed, it would not be in continuous operation.

ST prevention was initially used at a hazardous waste incinerator in Ohio where it is added to a wet scrubber only when iodinated waste is incinerated. That facility has the advantage of knowing when iodinated waste is being combusted because such waste is accepted for disposal as part of that company's normal business. In contrast, Covanta does not purposefully accept iodinated waste for disposal and any delivery of iodine occurs as a constituent of MSW. Application of ST at a MWC was initially evaluated at Covanta's sister facility in Lancaster, PA as a "proof of concept" that ST would breakdown and form SO_2 which is known to react with I_2 . Initial efforts at the Covanta Lancaster facility have demonstrated the potential for ST as a prevention strategy however there are significant design differences between the Covanta Lancaster and Covanta Newark facilities including the equipment (grate, furnace and boiler), MSW quantity and origin and flue gas residence time and temperature through the system. We are not assuming that the ST prevention technology information from Covanta Lancaster translates directly to the Newark Facility and are therefore proposing to implement ST technology on one unit to confirm its potential as an I_2 mitigation technology.

Covanta has conducted R&D tests to evaluate the optimum injection location however that is a work in progress. Covanta is also using three consultants affiliated with universities to evaluate the basic ST prevention strategy and other issues that may impact its effectiveness.

5.3.2 Scope of contractor review

Independent contractors have already been involved in various aspects of the prevention design and optimization. The new independent contractor will be tasked to review the entire strategy and to consider alternative solutions. The scope of the contractor's review will include but not be limited to general mitigation chemistry, ST injection strategy and alternative prevention strategies.

AGENDA

Covanta Essex Purple Plume Management Plan
December 10, 2019 Meeting
Covanta Essex and NJDEP

Purpose - provide responses to questions posed by NJDEP -

- What actions Covanta has taken to date to identify source(s) of iodine
- Describe why SO₂ levels drop to near zero right before and during purple plume events. Is the SO₂ being converted to sulfuric acid for example?
- Can Covanta quantify how much iodine would be needed to generate a purple plume for about 3 hours (e.g. June 2019 event)?
- Background info on sodium thiosulfate contemplated for mitigation of purple plumes. What type of emissions are produced?

Goals:

- Identify underlying knowledge about iodine plume – its origin and mitigation
- Identify steps to prevent and mitigate purple plumes from iodinated waste
- Solicit NJDEP feedback on mitigation with generators

Covanta Essex : Purple plume management strategy

Situation:

Opacity exceedances correlated with purple plumes are presumably due to iodine in MSW delivered to the facility

Remedy: A two part solution

Part 1: Prevent delivery of iodinated waste to Covanta Essex

Refer to handout “Outreach and Inspection Plan for Iodine Bearing Waste Covanta Essex County Resource Recovery Facility (ECRRF)

Part 2 : Evaluate plume mitigation technology

- a. Theory and Research
- b. Field program results
- c. Next steps

Part 1: Outreach as purple plume management strategy

Purpose of outreach plan

To minimize or eliminate the presence of iodine in the MSW that is received and processed at the Essex County Resource Recovery Facility (ECRRF), the following actions have been and continue to be implemented by Covanta Essex Company.

Plan Outline

1.0 Outreach to generators

- Direct contact with generators and haulers where possible

2.0 Inspections

- Other Type 10 and 27 Waste Inspections
- Hospital Waste Inspections

3.0 Other

- Managing any collected iodine Waste
- Technology Upgrades

Part 1: Outreach as purple plume management strategy

1.0 Outreach to generators - Direct contact with generators and haulers where possible

Goal	Activity
Inform haulers and customers that iodine in waste is not acceptable	<p>A flyer in English and Spanish has been distributed to the Essex County Utility Authority (ECUA) which has been included in their billings to all Essex county haulers</p> <p>That same flyer was mailed to all the commercial haulers that deliver waste to the ECRRF</p> <p>That same flyer was also sent to the Department of Sanitation of New York (DSNY)</p> <p>Covanta hosted its annual Hauler Day at the Essex facility on 11/21/19 and the flyer was also handed out to drivers on the tipping floor that day.</p>
Transfer Station waste	<p>Covanta owned transfer stations in Paterson and Totowa separate out hospital waste from other waste and divert this waste to landfill to minimize amount of this waste sent to ECRRF.</p>
Direct outreach by phone to hospitals that have waste delivered to Covanta Essex. Major hospitals include;	<ul style="list-style-type: none"> • St. Barnabas Medical Center, Livingston, NJ • Clara Maass Medical Center, Belleville, NJ • Beth Israel Medical Center, Newark, NJ • St. Michael's Medical Center, Newark, NJ • UMDNJ Hospital, Newark, NJ • East Orange General Hospital, East Orange, NJ • VA Medical Center, East Orange, NJ
Contacted Interstate Waste Services (IWS), the hauler for;	<ul style="list-style-type: none"> • St. Barnabas Medical Center, Livingston, NJ • Clara Maass Medical Center, Belleville, NJ • Beth Israel Medical Center, Newark, NJ
Other hospitals	<p>IWS is to distribute our iodine flyer to the hospitals</p> <p>Attempting to reach out to others – but identifying responsible party for handling and disposal of waste is not always clear.</p> <p>With the help of the Essex County SWAC, we have enlisted the services of their consultant, Mr. Wayne DeFeo, to assist in contacting hospitals in Essex County that have waste delivered to the ECRRF.</p>
Findings to date	<p>One empty bottle and one small packet of povidone iodine solution from UMDNJ from tipping floor inspection</p>

Part 1: Outreach as purple plume management strategy

2.0 Inspections

2.1 Hospital Waste Inspections

Goal	Activity
Prevent iodinated waste from hospitals from being mixed in the pit	Haulers have to identify loads from hospitals on the Origin and Disposal form that is presented to the scale house. The name of the hospital is specified and this is noted on the stage ticket by the scale house operator
	Tipping floor inspections of loads with stage ticket marked “Hospital” Waste is pushed into the pit ONLY after the load is inspected and cleared for acceptance

2.2 Other Type 10 and 27 Waste Inspections

Goal	Activity
Prevent iodinated waste from industrial or commercial generators from being mixed in the pit (a)	Haulers have to identify Type 27 loads on the Origin and Disposal form that is presented to the scale house. The stage ticket is marked “Type 27” by the scale house operator
	Tipping floor inspections are performed on these loads on the tipping floor. Waste is pushed into the pit ONLY after the load is inspected and cleared for acceptance
	A review of customers delivering waste to the Essex facility either the day before or the day of a purple plume event for the last 5 years was performed to determine if there was any pattern that might indicate a potential source of iodine. A list of customers was generated and will now also be the target of detailed inspections. These customers include both Type 10 and Type 27 waste types. Based on research on other uses of iodine, we’ve notified commercial haulers to note customers that manufacture X-ray contrast solution, film and food products.

Part 1: Outreach as purple plume management strategy

2.2 Continued

- (a) Possible sources of iodine from medical, agricultural, and industrial applications include; 1) iodine is in the production of X-ray contrast media, 2) polarizing film in liquid crystal display (LCD) screens, 3) Potassium iodide is used in iodine tablets to be taken during nuclear accidents, 4) Iodine based biocides are often used in paints as an in-can preservative as well as to prevent mold growth after application, 5) pharmaceuticals, disinfectant iodophors and povidone-iodine, fluoride derivatives, heat stabilization of nylon, or as process enabler in polymerization of plastics or other processes requiring chemical synthesis and 6) Red Dye #3 which is a dye used in various food products and printing ink. Red dye #3 contains 58% iodine.

3.0 Other

3.1 Managing any collected iodine Iodine Waste

- Iochem Coporation, the largest producer of medical grade iodine in North America, has offered to take any recovered iodine in BULK quantities for free at their facility in Oklahoma. They will consider smaller quantities in bottles depending on the quantity.
- In the event that Covanta identifies hospitals or other sources that need assistance with disposal of any expired iodine containing material, this can be an alternative for disposal of that material in an environmentally sound way.

3.2 Technology Upgrades

Goal	Activity
Hi definition cameras on tipping bay and hoppers	Installed one camera over Bay 2 on tipping floor with high definition zoom capability to provide an additional tool to see waste in tipping bays. Can also record footage for review after a purple plume event. Plan is to install additional cameras on tipping floor and over boiler feed hoppers.

Part 2: Plume mitigation technology – theory and research -

Background:

- Iodine is known to generate a pink/purple plume when it is present as diatomic iodine - I₂
- Observations at Covanta Essex and elsewhere have identified a unique characteristic of iodine where it reacts with SO₂
- The primary chemical reaction under consideration;



- Equation 1 establishes that iodine (I₂) reacts with SO₂ on a 1:1 molar basis
- Equation 1 explains why SO₂ goes to “zero” when a purple plume develops (see following slide of Oct 10th event as an example)
- If H₂SO₄ was generated, it would be removed by the semi dry scrubber system
- Hydrogen iodide (HI) is a very reactive gas (similar to HCl) and would dissolve quickly in water and react with calcium hydroxide

Additional research;

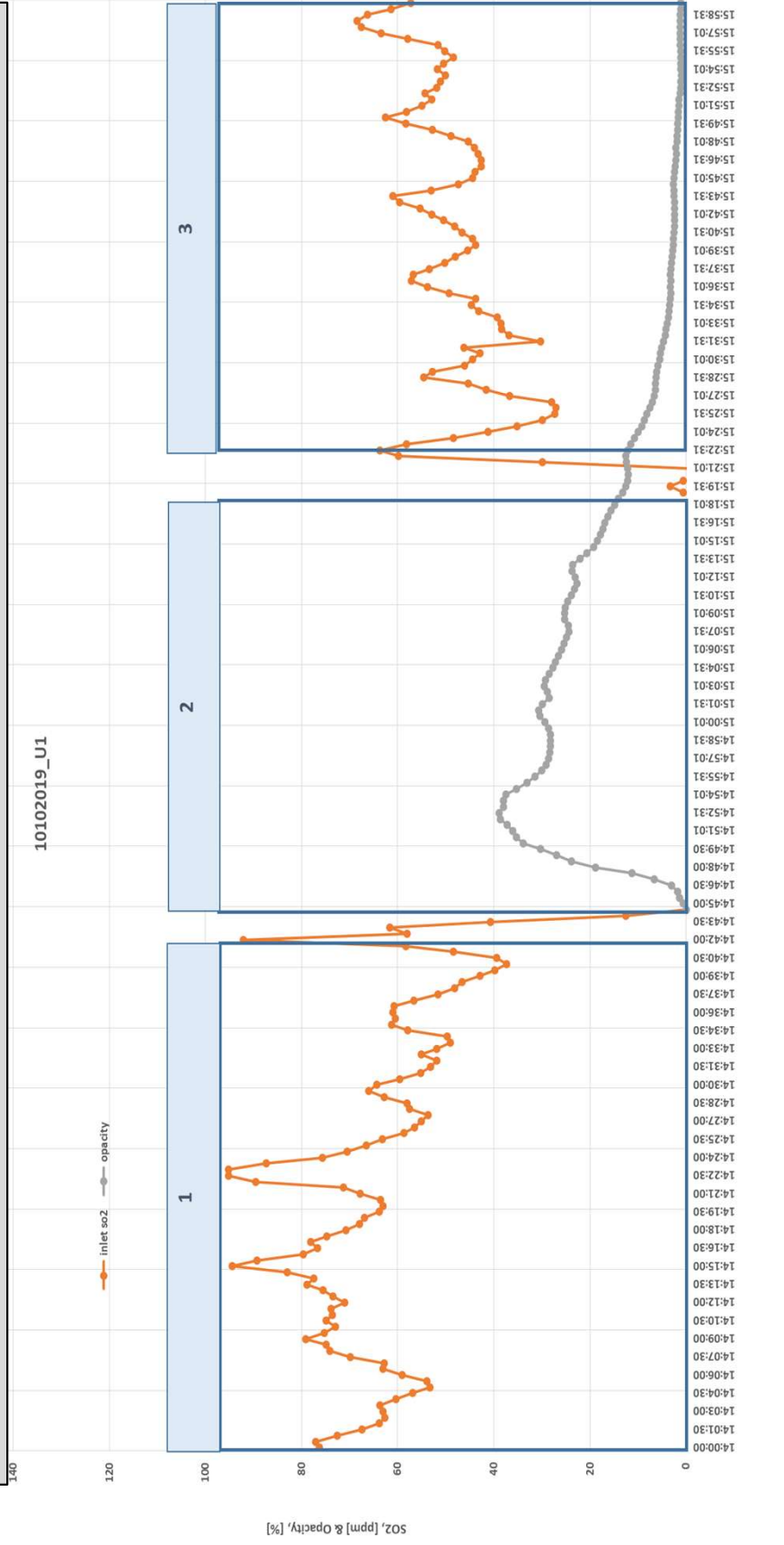
1. Utilization of corporate resources and independent 3rd parties to research;
 - Potential causes of colored plumes
 - Potential mitigation technology/chemistry for colored plumes
 - Iodine behavior
2. Effectiveness of sodium thiosulfate at Covanta Lancaster

Part 2: Plume mitigation technology

– October 10, 2019 as example of SO₂ and I₂ reaction -

Observations

- Average SO₂ concentration pre and post plume is ~ 40 to 50 ppmdv7
- SO₂ during plume is zero



Part 2: Evaluation of June 19, 2019 Opacity event

CEM time	OPACITY DATA				Average
	L1	L2	L3	Average	
12:12	0	2	1	1	
12:18	0	12	3	5	
12:24	0	27	13	13	
12:30	1	34	20	18	18.5
12:36	1	25	15	14	
12:42	1	32	16	16	
12:48	2	50	21	24	
12:54	3	39	39	27	
13:00	6	27	35	23	
13:06	6	23	32	20	
13:12	7	22	25	18	
13:18	8	18	22	16	
13:24	7	16	18	14	
13:30	7	16	15	13	
13:36	7	15	16	13	
13:42	5	15	16	12	
13:48	4	12	15	10	
13:52	4	11	18	11	
14:00	3	13	17	11	
14:06	3	17	10	10	
14:12	3	17	10	10	
14:18	2	26	9	12	
14:24	2	17	9	9	
14:30	2	12	10	8	
AVG	3.5	20.8	16.9	13.7	

Overview

- All 3 MWC units had elevated opacity readings and pink or purple colored plume
- Unit 2 and 3 had opacity above the opacity limit of 10 % as a 6-minute average
- The maximum 1-hour average opacity was estimated to be 18.5 % and correlated to 30 ppm of I₂ at actual stack conditions
- 30 ppm of stack I₂ was initially estimated to create a maximum 1-hour ground level concentration of 0.0045 ppm when using dispersion modeling results from a recent air toxics analysis (March 2019).
- Ambient impacts were below NJ DOH workplace references for I₂ (OSHA, NIOSH and ACGIH)
- Current estimate of average I₂ was ~ 18 ppm, actual concentration, during maximum hour
- I₂ behavior is being researched

Covanta Essex : Essex test plan

Background

- Sodium thiosulfate (ST) is used at a hazardous waste incinerator in Ohio where it is added to a wet scrubber
- Application of ST at a municipal waste combustor at Covanta Lancaster was novel idea that was based on adding SO₂ to facilitate reduction of I₂
- Grate/furnace design of Covanta Lancaster and Covanta Essex are different (see next slide)
- Covanta Lancaster has semi dry scrubbing technology, somewhat similar to Covanta Essex however details are different
- “full scale” R&D test has demonstrated the potential to mitigate purple plumes though not conclusive. Questions remain which is the driving force behind additional test program.

ST strategy

- Chemical reaction: $Na_2S_2O_3 + 2HCl \rightleftharpoons 2NaCl + S + SO_2 + H_2O$
- Store ST as 30 weight % solution
- Inject only when necessary

Covanta Essex Plan

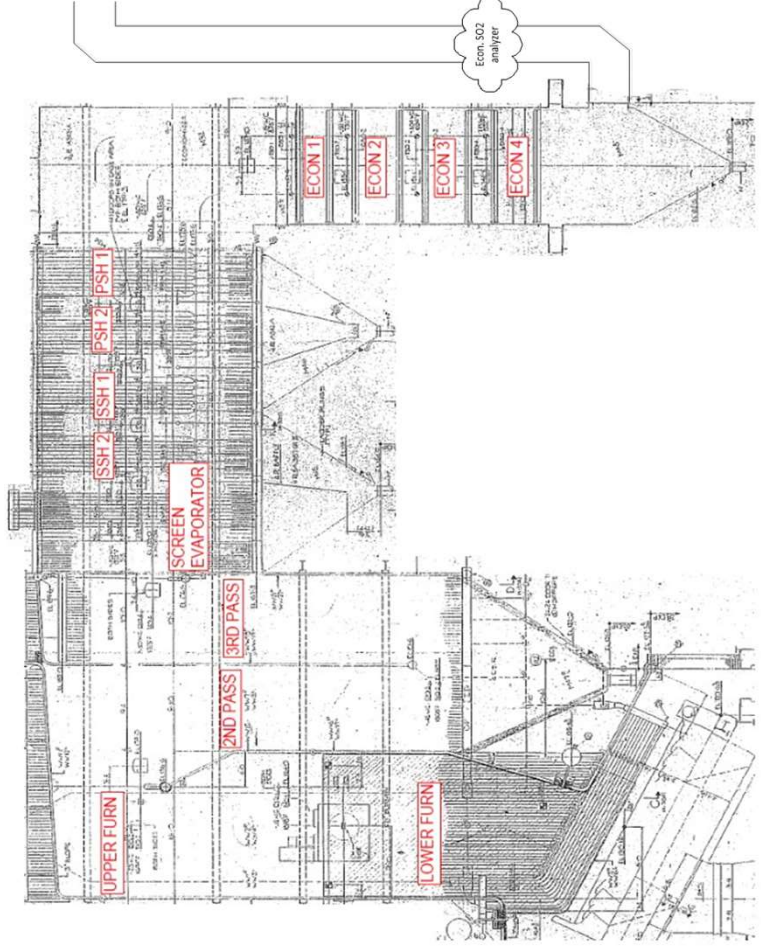
- Deliver test skid (pumps, valves, etc.) in Q1 2020.
- Conduct demonstration test in Q1 or early Q2 2020 to understand effectiveness in converting ST to SO₂
- Continue to learn from other ongoing efforts at Covanta Lancaster.

Grate/furnace/boiler: Covanta Lancaster and Essex

Different design, waste and operating conditions create different flue gas velocities, residence time and temperature profile through unit – therefore separate evaluation required

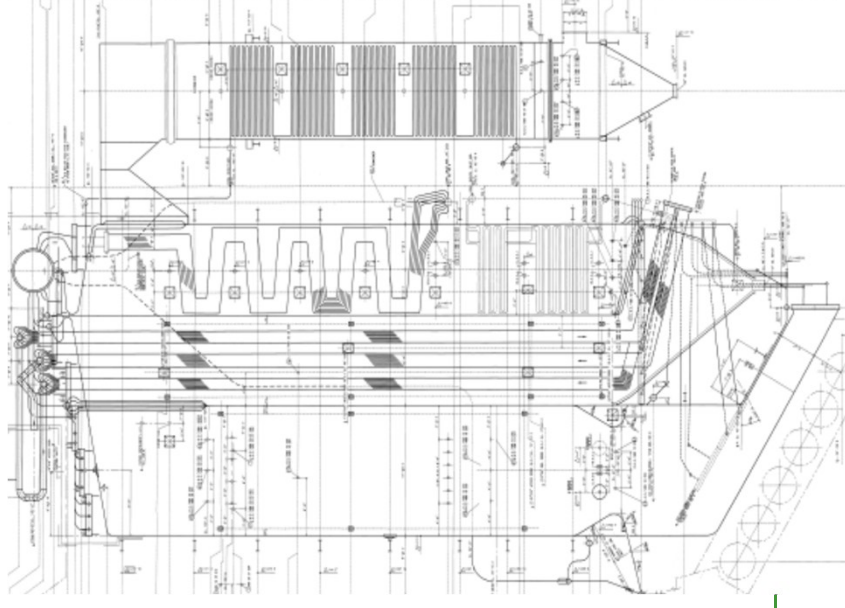
Covanta Lancaster

- Martin Gmbh grate/furnace/boiler
- Three units, each rated at nominal 400 TPD



Covanta Essex

- DBA roller grate/furnace/boiler
- Three units, each rated at nominal 933 TPD



Covanta Essex : Summary and Conclusions

Summary

- A 2-part program is being implemented to prevent purple plumes at Covanta Essex;
 1. Outreach efforts to prevent deliveries of iodinated waste to Covanta Essex.
 2. Evaluation of mitigation technology to control an opacity event if iodinated waste is delivered and combusted.
- Outreach efforts to waste generators, haulers and others have been underway and are being expanded.
- Mitigation technology is under investigation where injection of sodium thiosulfate is used to remove iodine from flue gas
- Deliver test skid (pumps, valves, etc.) in Q1 2020.
- Conduct demonstration test in Q1 or early Q2 2020 to understand effectiveness in converting ST to SO₂
- Additional research is being conducted in parallel thru independent 3rd parties on causes and control of colored plumes

Conclusions

- Existing outreach and communication is being expanded but at present we have not identified any sources of waste that could cause the colored plumes
- Sodium thiosulfate is being evaluated as a mitigation technology however implementation at Covanta Essex requires a field test program to evaluate its effectiveness.