

February 25, 2021

Mr. Steven Perrigo
NYSDEC - Region 7
615 Erie Blvd. West
Syracuse, NY 13204-2400

**RE: Onondaga County Resource Recovery Facility
Solid Waste Permit #7-3142-00028/00011
Annual and 4th Quarter Solid Waste Report for 2020 and
Annual Professional Engineers Inspection for 2020**

Dear Mr. Perrigo:

Pursuant to the requirements of 6 NYCRR Part 360.19(k)(3) and the facility Solid Waste Management Permit, enclosed please find the Annual/Quarterly Solid Waste Report. Also enclosed is the Annual P.E. Inspection Report.

This report was prepared on a form provided by the department and modified to include the information required by the facility Solid Waste Management Permit.

In compliance with the NYSDEC letter dated September 19, 2019, with regard to Regulatory Flexibility; the Processed Waste for all of 2020 will exclude recycled metals. Section 4, page 5 of this report has the detail of the credit for recycling of scrap metal from the ash.

If you have any questions or comments, please contact me at (315)-498-4111.

Sincerely,



Paul S. Abt
Environmental Engineer
Covanta Onondaga, L.P.

w/attachment

cc: C. Albunio, OCRRA
Division of Materials Management, Bureau of Permitting and Planning, NYSDEC, Albany
Chief, Air Compliance Branch, Region II, USEPA, NY, NY

ANNUAL/QUARTERLY REPORT

- A. This Annual Municipal Waste Combustion Facility Report is for operation from January 1, 2020 to December 31, 2020 and
- B. Quarterly Report for:
October 1, 2020 to December 31, 2020

SECTION 1 – OWNER / FACILITY INFORMATION

FACILITY INFORMATION				
FACILITY NAME: Onondaga County Resource Recovery Facility				
FACILITY ADDRESS: 5801 Rock Cut Road		FACILITY CITY: Jamesville	STATE: NY	ZIP CODE: 13078
FACILITY TOWN: Onondaga		FACILITY COUNTY: Onondaga	FACILITY PHONE NUMBER: (315) 498-4111	
FACILITY NYS PLANNING UNIT: Onondaga (Onondaga County Resource Recovery Agency)			NYSDEC REGION #: Region 7	
360 PERMIT #: 7-3142-00028/00011	DATE ISSUED: 8/8/2011	DATE EXPIRES: 8/7/2021	NYS DEC ACTIVITY CODE 34E01	
FACILITY CONTACT: Stan Longo	public ☒ private	CONTACT PHONE (315) 498-4111	CONTACT FAX: (315) 498-9892	
CONTACT EMAIL ADDRESS: slongo@covanta.com				
OWNER INFORMATION				
OWNER NAME: Covanta Onondaga L.P.		OWNER PHONE NUMBER: (315) 498-4111	OWNER FAX: (315) 498-9892	
OWNER ADDRESS: 5801 Rock Cut Road		OWNER CITY: Jamesville,	STATE: NY	ZIP CODE: 13078
OWNER CONTACT: Stan Longo		OWNER CONTACT EMAIL ADDRESS slongo@covanta.com		
OPERATOR INFORMATION				
OPERATOR NAME: SAME AS OWNER		public ☒ private		
PREFERENCES				
Preferred address to receive correspondence: 5801 Rock Cut Road, Jamesville, NY, 13078				
Preferred email address: slongo@covanta.com				
Preferred individual: Stan Longo				
Did you operate in 2020? <u>XX</u> Yes; complete this form. No;				
Complete and submit Sections 1 and 11. If you no longer plan to operate and wish to relinquish your permit/registration associated with this solid waste management activity, also complete the "Inactive Solid Waste Management Facility or Activity Notification Form" located at: http://www.dec.ny.gov/chemical/52706.html .				

SECTION 2 - SOLID WASTE RECEIVED

Provide the tonnages of solid waste received. Report Recyclable Materials in Section 5. DO NOT REPORT IN CUBIC YARDS!
Specify the methods used to measure the quantities received and the percentages measured by each method

100% Scale Weight % Estimated % Truck Count % Other (Specify: _____)

Type of Solid Waste	January (tons)	February (tons)	March (tons)	April (tons)	May (tons)	June (tons)	July (tons)
Construction & Demolition Debris (mixed)							
Industrial Waste (Including Industrial Process Sludges)							
Mixed Municipal Solid Waste (Residential, Institutional & Commercial) DIRECT HAUL	20,801	17,532	19,864	18,634	19,967	20,940	22,654
Sewage Treatment Plant Sludge							
Treated Regulated Medical Waste	15	8	9				
Emergency Authorization Waste (Storm Debris)							
Mixed OCRRA from Ley-Creek, RCR, Amboy Transfer Stations	6,767	6,996	7,475	6,901	7,079	4,883	8,414
Other (Please specify) (1)	2,376	2,197	2,687	2,448	1,895	1,923	3,130
Non-processible Bypassed	0	0	4	0	99	4	3
Total Tons Received	29,958	26,734	30,032	27,983	28,841	27,742	34,196
Total Tons Fed to Process (4)	28,887	27,121	30,794	27,239	28,263	28,068	32,986

See next page for table notes.

SECTION 2 - SOLID WASTE RECEIVED (CONTINUED)

Type of Solid Waste	Tip Fee (\$/ton)	August (tons)	September (tons)	October (tons)	November (tons)	December (tons)	Total Year (tons)	Daily Avg. (tons) (3)
Construction & Demolition Debris (mixed)	(2)							
Industrial Waste (Including Industrial Process Sludges)	(2)							
Mixed Municipal Solid Waste (Residential, Institutional & Commercial) DIRECT HAUL	(2)	21,363	21,823	21,863	20,801	21,554	247,795	679
Sewage Treatment Plant Sludge	(2)							
Treated Regulated Medical Waste	(2)							
Emergency Authorization Waste (Storm Debris)	(2)							
Mixed OCRRA from Ley-Creek, RCR, Amboy Transfer Stations	(2)	6,631	6,300	6,193	5,071	5,218	77,928	214
Other (Please specify) (1)	(2)	2,890	2,580	2,838	2,948	2,788	30,731	84
Non-processible Bypassed		4	5	4	0	0	122	0
Total Tons Received		30,880	30,698	30,890	28,820	29,560	356,333	976
Total Tons Fed to Process (4)		33,037	28,605	30,352	30,873	30,499	356,723	977

- (1) Incoming waste is not segregated or classified, except for certain wastes which require special handling, these are termed Supplemental and Discrete wastes; see **Section 11** of this Report for more information. These wastes are identified in the OCRRF 360-SW Permit.
- (2) Covanta Onondaga does not set the general tipping fees. The Onondaga County Resource Recovery Agency (OCRRA) sets fees with haulers. This is public information and is available from OCRRA upon request.
- (3) Daily Average = Annual Total / (Number of annual operating days).
- (4) The Fed to Process in this Section-2 includes recycled metals. In compliance with the NYSDEC letter dated September 19, 2019; **Processed Waste** will exclude recycled metals. Section-4 below has the detail of the credit for recycling of scrap metal from the ash.

SECTION 3- SERVICE AREA SOLID WASTE RECEIVED

Identify the facility's service area by indicating the type of solid waste received, the Solid Waste Management facility (SWMF) from which it was received (or Direct Haul), the corresponding State/Country, the County/Province, and the NYS Planning Unit and the amount received. **Refer to the list of NYS Planning Units that can be found at the end of this report.** Note: "Direct Haul" means waste hauled directly to your SWMF which did not go through another SWMF.

Specify transport method and percentages of total waste transported by each:

100% Road _____ % Rail _____ % Water _____ % Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

SERVICE AREA						
TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY FROM WHICH IT WAS RECEIVED (Name & Address) OR DIRECT HAUL	SERVICE AREA STATE OR COUNTRY	SERVICE AREA COUNTY OR PROVINCE	SERVICE AREA NYS PLANNING UNIT	TONS RECEIVED	
Construction & Demolition Debris (mixed)						
Mixed Municipal Solid Waste (Residential, Institutional & Commercial)	OCRRA-Ley Creek, 5158 Ley Creek Drive Liverpool, NY 13088	NY	Onondaga	Onondaga	38,224	
	OCRRA-Amboy, 6296 Airport Road Camillus, NY 13209	NY	Onondaga	Onondaga	137	
	OCRRA-Rock Cut Road, 5808 Rock Cut Road Jamesville, NY 13078	NY	Onondaga	Onondaga	39,567	
	Direct Haul	NY	Onondaga	Onondaga	247,780	
Treated Regulated Medical Waste (TRMW)*						
Other (specify)	Supplemental and Discrete wastes requiring special handling	NY	Onondaga	Onondaga	30,731	
	Non-processable bypassed				(-122)	
TOTAL RECEIVED (tons):					356,333	

Part 360 Permit Limit (tpy) 361,350 TPY processed

Permit Limit based on Steaming rate (tpy) NA

* List generators that provide you Certificates of Treatment forms and quantities of TRMW from each: NA

SECTION 4 - Plant Performance Log

PLANT PERFORMANCE LOG SUMMARY

Annual 2020 Summary

	Waste Fed to process	Recycled		Waste Processed
		Ferrous	Non-Ferr	
Qtr 1	86,802	2,802	325	83,675
Qtr 2	83,569	2,647	335	80,587
Qtr 3	94,628	3,059	323	91,246
Qtr 4	91,724	2,822	238	88,664
TOTAL	356,723	11,330	1,220	344,172

The **Fed to Process** includes metals. In compliance with the NYSDEC letter dated September 19, 2019; **Processed Waste** will exclude recycled metals. Above are the detail of the credit for recycling of scrap metal from the ash.

Disposal and Recycling Locations:

Rock Cut Road Transfer Station, Ley Creek Transfer Station,
Upstate Shredding, Metalico Recycling, Covanta Fairless Hills,
High Acres Landfill, Seneca Meadows Landfill, Madison County Landfill

Processible Waste Bypassed	Tons	-0-
Untreatable Waste Bypassed	Tons	122
Incinerator #1 Operations	Hours	7798
Incinerator #2 Operations	Hours	8050
Incinerator #3 Operations	Hours	7864
Steam Generated	Klbs	2,400,099
Steam Sold	Klbs	0
Steam Consumed Turbine	Klbs	2,316,467
Turbine Operation	Hours	8,715
Power Generation	MWH	255,961
Power Sold	MWH	224,229
Power Purchased	MWH	177
Ash Residue	Tons	78,662
Volatile Matter in Ash	%	3.1
Ferrous Metal Recovered & Sold	Tons	11,330
Non-Ferrous Metal Rec.& Sold	Tons	1,220
Water Consumption	Kgal	35,400

Facility's Size		Operations
Number of Units Installed	3 Units	Hours per day: 24
Nominal rated capacity of each Unit	330 TPD@ 6000 Btu/lb MSW	Days per week: 7 Days per year: 365

Hours of Maintenance Downtime	Unit #1	Unit #2	Unit #3	Total
Scheduled Maintenance	707.6	491.4	524.1	1723.1
Unscheduled Maintenance	266.5	234.0	387.3	9.7.8
Total	994.1	725.4	911.4	2630.9
Availability (%)	88.7	91.7	86.6	90.0

SECTION 4 - Plant Performance Log (continued)

PLANT PERFORMANCE LOG SUMMARY

4th Quarter 2020 Summary

Processible Waste Bypassed	Tons	-0-
Untreatable Waste Bypassed	Hours	4
Incinerator #1 Operations	Hours	1979
Incinerator #2 Operations	Hours	2017
Incinerator #3 Operations	Hours	2149
Steam Generated	Klbs	621,791
Steam Sold	Klbs	-na-
Steam Consumed Turbine	Hours	605,711
Turbine Operation	Klbs	2,208
Power Generation	MWH	68,322
Power Sold	MWH	60,173
Power Purchased	MWH	3
Ash Residue	Tons	20,324
Volatile Matter in Ash	%	3.3
Ferrous Metal Recovered & Sold	Tons	2,822
Non-Ferrous Metal Rec.& Sold	Tons	238
Water Consumption	Kgal	9,290

Hours of Maintenance Downtime	Unit #1	Unit #2	Unit #3	Total
Scheduled Maintenance	96.4	138.1	0.0	234.5
Unscheduled Maintenance	133.3	53.7	59.8	246.8
Total	229.7	191.8	59.8	481.3
Availability (%)	89.6	91.3	97.3	92.7

SECTION 5 - Transfer or Disposal Destination

Identify the transfer or disposal destination of waste removed by indicating the name of the transfer or disposal facility, the type of solid waste transferred, the corresponding State/Country, the County/Province, the NYS Planning Unit of the transfer or disposal destination facility, and the amount transferred or disposed or used as alternative daily cover (ADC) at each destination. This only includes waste sent off-site for disposal, not recovered for reuse or recycling. Exclude Metal Recovered and Recyclable Material amounts reported in Sections 3 and 4. **Refer to the list of NYS Planning Units that can be found at the end of this report.**
DO NOT REPORT IN CUBIC YARDS!

Transport (specify percentages):

100% Road _____ % Rail _____ % Water _____ % Other (specify: _____)

Explain which waste types and service areas below are included in these transport methods _____

DISPOSAL DESTINATION OR TRANSFER FOR DISPOSAL DESTINATION								
TYPE OF SOLID WASTE	SOLID WASTE MANAGEMENT FACILITY TO WHICH IT WAS SENT (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION N COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	AMOUNT TO TRANSFER DESTINATION (TONS)	AMOUNT TO DISPOSAL DESTINATION (TONS)	AMOUNT USED AS AOC (TONS)	TOTAL YEAR (TONS)
Ash (MSW Energy Recovery)	High Acres Landfill	NY	Monroe County	Monroe County	-na-	59452	59452	59,452
	Madison County Landfill	NY	Madison County	Madison County	-na-	6992	6992	6,992
	Seneca Meadows Landfill	NY	Seneca County	Seneca County	-na-	8883	8883	8,883
Bypass/ non-processible	OCRRR-Rock Cut Road	NY	Onondaga	Onondaga	23	-na-	-na-	23
	High Acres Landfill	NY	Monroe County	Monroe County	98	-na-	-na-	98
Emergency Auth (Storm Debris)								
TOTAL (tons):								75,448

Section 4 Residue shipped from OCRRF scales 78,662
 Section 5 Residue received at individual landfill site scales 75,448

SECTION 6 – METAL RECOVERED

A. Quantity of Metal Recovered

Provide the tonnages of metal recovered for reuse or recycling. Identify the location or solid waste management facility to which the recovered metal was sent from your facility, by indicating the name of the facility, the type of metal recovered, the corresponding State/County, the County/Province, the NYS Planning Unit, and the amount recovered. Refer to the list of NYS Planning Units that can be found at the end of this report. DO NOT REPORT IN CUBIC YARDS!

Transport (specify percentages):

100% Road _____ % Rail _____ % Water _____ % Other (specify: _____)

Explain which waste types and service areas are in these transport methods _____

METAL RECOVERED FOR REUSE/RECYCLING					
METAL RECOVERED	SOLID WASTE MANAGEMENT FACILITY TO WHICH RECOVERED MATERIAL IS SENT (Name & Address)	DESTINATION STATE OR COUNTRY	DESTINATION COUNTY OR PROVINCE	DESTINATION NYS PLANNING UNIT (See Attached List of NYS Planning Units)	TONS RECOVERED (out of facility)
Ferrous Metal	Metalico Syracuse 6223 Thompson Rd, Syracuse, NY 13206	NY	Onondaga County	Onondaga County	(1) 121
	Upstate Shredding 1 Recycle Dr Owego, NY 13827	NY	Tioga County	Tioga County	11,330
Non-Ferrous Metal	Fairless Covanta Metals Management 500 Middle Drive Morrisville, PA 19067	PA	Bucks County, PA	na	1,220
Other Metal (specify)					
TOTAL METAL RECOVERED (tons):					12,671

(1) This portion of the recycled metal is NOT from the incoming waste. This is not used as credit for recycling of scrap metal. It is from facility maintenance activities.

SECTION 7 - FIRE AND SAFETY INCIDENTS

Provide a summary of the time, date, and details of any incidents which required the implementation of the contingency plan.

This year there were no incidents that required the implementation of the Contingency Plan.

SECTION 8 - BUDGET

Provide an annual income and expense statement providing details on the major accounting items including tipping fee, and operating and maintenance costs.

Covanta reserves the right to keep financial information confidential. The Onondaga County Resource Recovery Agency (OCRRA) budget is public information and is available from OCRRA upon request or at <http://OCRRA.ORG>.

SECTION 9 - INSPECTIONS

Provide a copy of the annual facility inspection report conducted and stamped by a professional engineer licensed to practice in New York State.

The OCRRF Annual General Facility Inspection (pursuant to retired and superseded 6 NYCRR Part 360-3.3(h)(6)) was conducted under the direction of a New York State-licensed engineer in December 2020. The Summary Report is part of this submittal.

SECTION 10 - GOALS

Provide a narrative of the goals and objectives to be attained in the next future calendar year and any major repairs or renovations proposed.

The OCRRF will continue to maintain compliance with all applicable regulations and permit requirements.

The OCRRF has been in service since 1994. Several maintenance projects have been initiated over the past couple years. These projects have been discussed with Region 7 NYSDEC Solid Waste and Air Divisions. These projects are complete.

SECTION 11 - UNAUTHORIZED SOLID WASTE

Has unauthorized solid waste been received at the facility during the reporting period?

XX Yes ___ No If yes, give info below for each incident (attach additional sheets if necessary):

Date Received	Type Received	Date Disposed	Disposal Method & Location
See Below	Low level Rad only		

Radiation Monitoring

Does your facility use a fixed radiation monitor? **XX** Yes ___ No

Fixed Monitors: RadComm (3 each) model: RC1000

Portable Monitor: Mazur Instruments model: PRM-7000

Disposal Method & Location:

All of the following were **rejected to the OCRRA Rock Cut Road facility** for natural decay. The NYSDEC and NYSDOH are notified by email of the incident by Covanta. If required the Onondaga County Health Department (OCHD) is notified by OCRRA for possible investigation and detailed radiological analysis. After decay, all materials were processed through the OCRRF WTE facility.

	Received		Hauler	Origin	Truck/ Box Number	Fixed Mon. Reading (cps)
	Date	Time				
	02/26/20	0605	Butler	Commercial	004-4584	12000
	09/23/20	1336	Superior Hauling	Residential	039-0020	15527

SECTION 12 - COST ESTIMATES AND FINANCIAL ASSURANCE DOCUMENTS

Are there required cost estimates and financial assurance documents for closure?

Yes No See below.

If yes, attach additional sheets reflecting annual adjustments for inflation and any changes to the Closure Plan?

2020 was the inaugural year for the OCRRF Financial Closure Plan. The Plan was submitted and determined to meet regulatory requirements by the NYSDEC. An extension request has been granted for producing the financial assurance mechanism, see attachment email dated November 13, 2020, from NYSDEC Steve Perrigo.

SECTION 13 - PROBLEMS

Were any problems encountered during the reporting period (e.g., specific occurrences which have led to changes in facility procedures)?

Yes No If yes, attach additional sheets identifying each problem and the methods for resolution of the problem.

SECTION 14 - CHANGES

Were there any changes from approved reports, plans, specifications, and permit conditions?

Yes No See below.

1. See Section 12 above.
 2. In compliance with the NYSDEC Enforcement Discretion letter dated September 19, 2019, the Processed Waste will exclude recycled metals. Section 4, Page 5 of this report has the details of the credit for recycling of scrap metal from the ash residue.
-

SECTION 15 - PERMIT/CONSENT ORDER REPORTING REQUIREMENTS

Are there any additional permit reporting requirements not covered by the previous sections of this form?

Yes No See below.

Reporting of Supplemental (Profiled) and Discrete wastes received. Required by permit condition.

4th quarter Supplemental and Discrete Waste Received: 8,574 tons

Annual Supplemental and Discrete Waste Received: 30,731 tons

(These tons are included in the tonnage reported in Sections 1 thru 5 of this report)

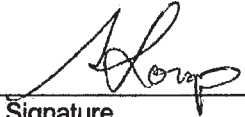
SECTION 16 - SIGNATURE AND DATE BY OWNER OR OPERATOR

Owner or Operator must sign, date and submit one completed form with an original signature to the appropriate Regional Office (See attachment for Regional Office addresses and Solid Waste Contacts.)

The Owner or Operator must also submit one copy by email, fax or mail to:

**New York State Department of Environmental Conservation
Division of Materials Management
Bureau of Permitting and Planning
625 Broadway
Albany, New York 12233-7260
Fax 518-402-9041
Email address: SWMFannualreport@dec.ny.gov**

I certify, under penalty of law, that the data and other information identified in this report have been prepared under my direction and supervision in compliance with a system designed to ensure that qualified personnel properly and accurately gather and evaluate this information. I am aware that any false statement I make in such report is punishable pursuant to section 71-2703(2) of the Environmental Conservation Law and section 210.45 of the Penal Law.



Signature

2/25/21

Date

Stan Longo

Name

Facility Manager

Title

slongo@covanta.com

Email Address

5801 Rock Cut Road

Address

Jamesville

City

New York, 13078-9408

State and Zip

(315)-498-4111

Phone Number

ATTACHMENTS: XX YES ___ NO

- 4th quarter ash Volatile analysis (page 13)
- Closure financial assurance mechanism extension (page 14)
- OCRRF Annual P.E. General Facility Inspection Summary



Element One Inc.
6319-D Carolina Beach Rd.
Wilmington, NC 28412

Phone: 910 793-0128
Fax: 910 792-6853
e1lab@e1lab.com

elementOne

FINAL REPORT OF ANALYSES -% VOLATILES
Element One, Inc. Project Number e35815

Covanta Onondaga, Inc.
5801 Rock Cut Road
Jamesville, NY 13078

December 23, 2020
Client Project Name
Client Project Number

Sample Matrix	Combined Ash	Sample Type	8H Composite	Date Received	11/27/20
Date Combined	11/13-19/20	Time Sampled	0600-1400	Time Received	1200
Sampler	Paul Abt	Delivered by	UPS	Received by	LLB
Method	SM2540G/E	Date Analyzed	12/21/20		

Sample ID	ONO/CA/111320/sh2	ONO/CA/111420/sh1	ONO/CA/111420/sh2
E1 Sample #	35815-1	35815-2	35815-3
% Volatiles	3.55%	7.13%	3.06%

Sample ID	ONO/CA/111520/sh1	ONO/CA/111520/sh2	ONO/CA/111620/sh1
E1 Sample #	35815-4	35815-5	35815-6
% Volatiles	1.73%	1.75%	2.77%


Ken Smith, Laboratory Director

Page 25 of 25

Report compiled by 

Certifications: NJ NELAP NC001223, NY ELAP 11881223, NC DW 37788 and NC DWQ DENR 604

Subject:

FW: Closure Plans Submittal & Financial Assurance Request

From: Perrigo, Steve (DEC) <steve.perrigo@dec.ny.gov>**Sent:** Friday, November 13, 2020 14:20**To:** Cristina Albinio <calbinio@ocrra.org>**Cc:** Abt, Paul <PAbt@covanta.com>; Parker, Reginald (DEC) <reginald.parker@dec.ny.gov>**Subject:** RE: Closure Plans Submittal & Financial Assurance Request***** Warning: External message - exercise caution. *****

Hi Cristina,

Since there may have been some confusion with the Part 360 regulations regarding when the financial assurance mechanism was to be in place for your facilities and to be in alignment with your CPA annual audit, the deadline for the submittal of the financial assurance has been extended to May 1, 2021.

If you have any questions please contact me.

Regards,

Steve

Steven E. Perrigo, P.E.

Professional Engineer 1 (Environmental), Division of Materials Management

New York State Department of Environmental Conservation

615 Erie Boulevard West, Syracuse, NY 13204

P: (315) 426-7533 | F: (315) 426-7487 | steve.perrigo@dec.ny.govwww.dec.ny.gov |

**ONONDAGA RESOURCE RECOVERY FACILITY
2020 ANNUAL FACILITY INSPECTION REPORT**

By Kenneth E. Armellino, P.E. - #075733

February 24, 2021

Signed: Kenneth E. Armellino Date: 2/24/2021

