

New York State Department of Environmental Conservation
Division of Materials Management
Albany, New York 12233-7253

2019
PERMITTED FACILITY ANNUAL REPORT BIOSOLIDS
COMPOSTING/OTHER PROCESSING
6 NYCRR Part 361-3.2

This annual report is for the year of operation from January 01, 2019 to December 31, 2019

Annual Report Form Due: No Later than March 1, 2020

This form is for biosolids composting facilities that are permitted under section 361-3.2 previously 360-5 of Part 360. Permits for existing permitted facilities prior to November 2017 remain in effect until their expiration date, unless a modification is issued. Permittees must comply with the previous Part 360 regulations and their permit's special conditions until renewal or modification.

Forms for all solid waste management facilities can be found at <http://www.dec.ny.gov/chemical/52706.html>. If you have any questions on this form, please e-mail organicrecycling@dec.ny.gov.

Failure to provide the required information requested is a violation of Environmental Conservation Law. Timely submission of a properly completed form to the Department's Regional Office that has jurisdiction over your facility and to the Department's Central Office is required to meet the Annual Report requirements of 6 NYCRR Part 360 series.

Attach additional sheets if space on the pages is insufficient or supplementary information is required or appropriate.

PERMITTED FACILITY NAME: VILLAGE OF SODUS COMPOSTING BIOSOLID FACILITY
PERMIT NUMBER: 8-5442-00149-00003
SW FACILITY ACTIVITY NUMBER: (Ex. 02PP0099) 59C.01
COUNTY WHERE FACILITY IS LOCATED: WAYNE

DEC USE ONLY
Region: SWIMS:
MATRIX:
Date Reviewed:
Reviewed By:
Data Entered:

**PERMITTED BIOSOLIDS COMPOSTING FACILITY ANNUAL REPORT
SECTION 1 - FACILITY INFORMATION**

FACILITY INFORMATION			
FACILITY NAME: VILLAGE OF SODUS COMPOSTING BIOSOLID FACILITY			
FACILITY LOCATION ADDRESS: 6792 MUDLANE	FACILITY CITY: SODUS	STATE: NY	ZIP CODE: 14551
FACILITY TOWN: SODUS	FACILITY COUNTY: WAYNE	FACILITY PHONE NUMBER: _____	
NYSDEC REGION #:			
FACILITY CONTACT: PHIL BADMAN		CONTACT PHONE NUMBER: (315) 359-8325	
CONTACT EMAIL ADDRESS: SODUS.PHILB@GMAIL.COM			
OWNER INFORMATION			
OWNER NAME: VILLAGE OF SODUS	OWNER PHONE NUMBER: (315) 483-9821		
OWNER ADDRESS: 14-16 MILL ST	OWNER CITY: SODUS	STATE: NY	ZIP CODE: 14551
OWNER CONTACT: KAREN CLINE	OWNER CONTACT EMAIL ADDRESS: VILLAGECLERK@ROCHESTER.TWCBC.COM		
OPERATOR INFORMATION			
OPERATOR NAME: <input type="checkbox"/> Same as owner PHIL BADMAN			
PREFERENCES			
Preferred address to receive correspondence: <input type="radio"/> Facility location address <input checked="" type="radio"/> Owner address <input type="radio"/> Other (provide):			
Preferred email address: <input type="radio"/> Facility Contact <input checked="" type="radio"/> Owner Contact <input type="radio"/> Other (provide):			
Preferred individual to receive correspondence: <input checked="" type="radio"/> Facility Contact <input type="radio"/> Owner <input type="radio"/> Owner Contact <input type="radio"/> Other (provide):			
Did you operate in 2019? <input checked="" type="radio"/> Yes; Complete this form. <input type="radio"/> No; Complete and submit Sections 1 and 13. If you no longer plan to operate and wish to relinquish your permit/registration associated with this solid waste management activity, please notify the regional office of your intent. See attachment for Regional Office addresses and contacts.			

SECTION 2 – QUANTITY OF MATERIAL RECEIVED

Please report quantities received from January 01, 2019 to December 31, 2019

Compost Input	Quantity	Unit	% Solids	Source
Biosolids (Sewage Sludge)	0	Choose Units		VIO SOLIDS W W T P
Bulking Agent/Amendment Specify: <u>WOOD CHIPS</u>	520	Choose Units	cu/yd	TREE CONTRACTOR AND VIO SOLIDS BRUSH THAT IS CHIPPED
Other: _____		Choose Units		

SECTION 3 – COMPOST PRODUCTION

WHAT IS THE PROCESS DETENTION TIME? <i>Note: Total time material is processed, not including storage time</i>	<u>50</u> days
COMPOST PRODUCED DURING THE YEAR:	<u>260</u> cubic yards or _____ tons
COMPOST DISTRIBUTED DURING THE YEAR:	<u>150</u> cubic yards or _____ tons
QUANTITY CURRENTLY STOCKPILED: <i>Note: Finished product stockpiled</i>	<u>75</u> cubic yards or _____ tons
AGE OF OLDEST PRODUCT ON SITE:	<u>10</u> months

SECTION 4 – COMPOST DISTRIBUTION

Quantity Distributed (cubic yards)	Use of Compost (landscaping, agriculture, highway, onsite, bagged, etc.)
100	LANDSCAPING
50	ONSITE

SECTION 5 – BIOSOLIDS ANALYSES

Please attach sampling analyses and laboratory reports as required under Part 360 of your permit. Copies of original laboratory results must be attached. All results, except pH and Total Solids, must be on a dry weight basis.

**Summarize data in table below or attached document.
Print additional pages as needed.**

Analysis Date =====>					Permit Pre 2017 Regs. Monthly Conc. (mg/kg)	Permit Post 2017 Regs. Max. Conc. (mg/kg)
	5/7/19	10/29/19				
Arsenic (mg/kg)	54.5	4.5			41	41
Cadmium (mg/kg)	<1.1	1.1			21	10
Chromium (mg/kg)	10.6	24.4			1,000	1,000
Copper (mg/kg)	382	641			1,500	1,500
Lead (mg/kg)	21.6	43.0			300	300
Mercury (mg/kg)	.79	1.8			10	10
Molybdenum (mg/kg)	<9.1	7.9			40	40
Nickel (mg/kg)	<18.1	19.9			200	200
Selenium (mg/kg)	<4.5	8.8			100	100
Zinc (mg/kg)	474	929			2,500	2,500
TKN (mg/kg)	52900	360				
Ammonia Nitrogen (mg/kg)	11700	8650				
Nitrate (mg/kg)	24.2	293				
Total Phosphorus (mg/kg)	9160	8670				
Total Potassium (mg/kg)	3710	<1920				
pH (s.u.)	7.0	5.9				
Total Solids(%)	11.9	14.6				
Total Volatile Solids (%)	86.4	80.3				

ANALYTICAL RESULTS

Project: COMPOST 5/8
Pace Project No.: 7088334

Sample: BELT PRESS SLUDGE #1 Lab ID: 7088334001 Collected: 05/06/19 10:00 Received: 05/07/19 10:25 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010C Preparation Method: EPA 3050B								
Aluminum	1640	mg/kg	90.7	1	05/17/19 10:57	05/20/19 21:07	7429-90-5	M1
Antimony	<27.2	mg/kg	27.2	1	05/17/19 10:57	05/20/19 21:07	7440-36-0	
Arsenic	<4.5	mg/kg	4.5	1	05/17/19 10:57	05/20/19 21:07	7440-38-2	
Barium	288	mg/kg	90.7	1	05/17/19 10:57	05/20/19 21:07	7440-39-3	
Beryllium	<2.3	mg/kg	2.3	1	05/17/19 10:57	05/20/19 21:07	7440-41-7	
Boron	65.9	mg/kg	22.7	1	05/17/19 10:57	05/20/19 21:07	7440-42-8	
Cadmium	<1.1	mg/kg	1.1	1	05/17/19 10:57	05/20/19 21:07	7440-43-9	
Calcium	18100	mg/kg	453	1	05/17/19 10:57	05/20/19 21:07	7440-70-2	
Chromium	10.6	mg/kg	4.5	1	05/17/19 10:57	05/20/19 21:07	7440-47-3	
Cobalt	<22.7	mg/kg	22.7	1	05/17/19 10:57	05/20/19 21:07	7440-48-4	
Copper	382	mg/kg	11.3	1	05/17/19 10:57	05/20/19 21:07	7440-50-8	M1
Iron	5180	mg/kg	45.3	1	05/17/19 10:57	05/20/19 21:07	7439-89-6	M1
Lead	21.6	mg/kg	2.3	1	05/17/19 10:57	05/20/19 21:07	7439-92-1	
Magnesium	2670	mg/kg	453	1	05/17/19 10:57	05/20/19 21:07	7439-95-4	
Manganese	666	mg/kg	6.8	1	05/17/19 10:57	05/20/19 21:07	7439-96-5	M1
Molybdenum	<9.1	mg/kg	9.1	1	05/17/19 10:57	05/20/19 21:07	7439-98-7	
Nickel	<18.1	mg/kg	18.1	1	05/17/19 10:57	05/20/19 21:07	7440-02-0	
Potassium	3710	mg/kg	2270	1	05/17/19 10:57	05/20/19 21:07	7440-09-7	
Selenium	<4.5	mg/kg	4.5	1	05/17/19 10:57	05/20/19 21:07	7782-49-2	
Silver	10.1	mg/kg	4.5	1	05/17/19 10:57	05/20/19 21:07	7440-22-4	
Sodium	2730	mg/kg	2270	1	05/17/19 10:57	05/20/19 21:07	7440-23-5	
Thallium	<4.5	mg/kg	4.5	1	05/17/19 10:57	05/20/19 21:07	7440-28-0	
Vanadium	<22.7	mg/kg	22.7	1	05/17/19 10:57	05/20/19 21:07	7440-62-2	
Zinc	474	mg/kg	9.1	1	05/17/19 10:57	05/20/19 21:07	7440-66-6	
7471 Mercury Analytical Method: EPA 7471B Preparation Method: EPA 7471B								
Mercury	0.79	mg/kg	0.24	1	05/09/19 17:07	05/10/19 12:06	7439-97-6	
Percent Moisture Analytical Method: ASTM D2216-92M								
Percent Moisture	88.2	%	0.10	1		05/17/19 17:28		
2540G Total Fixed Vol Solids Analytical Method: SM22 2540G								
Total Solids	11.9	%	0.10	1		05/07/19 21:28		N3
Total Volatile Solids	86.4	%	0.10	1		05/07/19 21:28		N3
4500PE Total Phosphorus Analytical Method: SM22 4500-P E Preparation Method: SM22 4500-P B								
Phosphorus	9160	mg/kg	2150	100	05/08/19 09:56	05/08/19 11:27	7723-14-0	M6
Corrosivity pH, <20% Water Analytical Method: EPA 9045D								
pH	7.0	Std. Units	0.10	1		05/07/19 22:29		
Temperature, Water (C)	23.7	deg C	0.10	1		05/07/19 22:29		
350.1 Ammonia Analytical Method: EPA 350.1 Preparation Method: EPA 350.1								
Nitrogen, Ammonia	11700	mg/kg	320	10	05/13/19 10:10	05/14/19 07:57	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COMPOST 5/6
 Pace Project No.: 7088334

Sample: BELT PRESS SLUDGE #1 Lab ID: 7088334001 Collected: 05/06/19 10:00 Received: 05/07/19 10:25 Matrix: Solid
 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	52900	mg/kg	2110	20	05/15/19 06:02	05/15/19 12:36	7727-37-9	
9056 IC Anions 48hr		Analytical Method: EPA 9056A Preparation Method: EPA 9056A						
Nitrate as N	24.2	mg/kg	8.4	1	05/21/19 08:51	05/21/19 09:22	14797-55-8	
Nitrite as N	103	mg/kg	8.4	1	05/21/19 08:51	05/21/19 09:22	14797-65-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PART 360 10/28
 Pace Project No.: 70109964

Sample: BELT PRESS SLUDGE #2 Lab ID: 70109964001 Collected: 10/28/19 09:30 Received: 10/29/19 10:20 Matrix: Solid
 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3050B						
Aluminum	3570	mg/kg	76.8	1	11/06/19 12:17	11/08/19 12:40	7429-90-5	
Antimony	<23.0	mg/kg	23.0	1	11/06/19 12:17	11/08/19 12:40	7440-36-0	
Arsenic	4.5	mg/kg	3.8	1	11/06/19 12:17	11/08/19 12:40	7440-38-2	
Barium	649	mg/kg	76.8	1	11/06/19 12:17	11/08/19 12:40	7440-39-3	
Beryllium	<1.9	mg/kg	1.9	1	11/06/19 12:17	11/08/19 12:40	7440-41-7	
Boron	72.6	mg/kg	19.2	1	11/06/19 12:17	11/08/19 12:40	7440-42-8	
Cadmium	1.1	mg/kg	0.96	1	11/06/19 12:17	11/08/19 12:40	7440-43-9	
Calcium	25100	mg/kg	384	1	11/06/19 12:17	11/08/19 12:40	7440-70-2	
Chromium	24.4	mg/kg	3.8	1	11/06/19 12:17	11/08/19 12:40	7440-47-3	
Cobalt	<19.2	mg/kg	19.2	1	11/06/19 12:17	11/08/19 12:40	7440-48-4	
Copper	641	mg/kg	9.6	1	11/06/19 12:17	11/08/19 12:40	7440-50-8	
Iron	13000	mg/kg	38.4	1	11/06/19 12:17	11/08/19 12:40	7439-89-6	
Lead	43.0	mg/kg	1.9	1	11/06/19 12:17	11/08/19 12:40	7439-92-1	
Magnesium	2880	mg/kg	384	1	11/06/19 12:17	11/08/19 12:40	7439-95-4	
Manganese	1420	mg/kg	5.8	1	11/06/19 12:17	11/08/19 12:40	7439-96-5	
Molybdenum	7.9	mg/kg	7.7	1	11/06/19 12:17	11/08/19 12:40	7439-98-7	
Nickel	18.9	mg/kg	15.4	1	11/06/19 12:17	11/08/19 12:40	7440-02-0	
Potassium	<1920	mg/kg	1920	1	11/06/19 12:17	11/08/19 12:40	7440-09-7	
Selenium	8.8	mg/kg	3.8	1	11/06/19 12:17	11/08/19 12:40	7782-49-2	
Silver	12.2	mg/kg	3.8	1	11/06/19 12:17	11/08/19 12:40	7440-22-4	
Sodium	3190	mg/kg	1920	1	11/06/19 12:17	11/08/19 12:40	7440-23-5	
Thallium	<3.8	mg/kg	3.8	1	11/06/19 12:17	11/08/19 12:40	7440-28-0	
Vanadium	<19.2	mg/kg	19.2	1	11/06/19 12:17	11/08/19 12:40	7440-62-2	
Zinc	929	mg/kg	7.7	1	11/06/19 12:17	11/08/19 12:40	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471B Preparation Method: EPA 7471B						
Mercury	1.8	mg/kg	0.20	1	11/12/19 12:20	11/12/19 15:55	7439-97-6	D6,M1
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	85.8	%	0.10	1		10/29/19 17:21		
2540G Total Fixed Vol Solids		Analytical Method: SM22 2540G						
Total Solids	14.6	%	0.10	1		10/29/19 17:33		N3
Total Volatile Solids	80.3	%	0.10	1		10/29/19 17:33		N3
4500PE Total Phosphorus		Analytical Method: SM22 4500-P E Preparation Method: SM22 4500-P B						
Phosphorus	8670	mg/kg	1640	100	10/30/19 10:34	10/30/19 12:09	7723-14-0	M6
Corrosivity pH, <20% Water		Analytical Method: EPA 9045D						
pH	5.9	Std. Units	0.10	1		10/29/19 15:08		
Temperature, Water (C)	23.9	deg C	0.10	1		10/29/19 15:08		
350.1 Ammonia		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	8050	mg/kg	142	5	11/11/19 09:10	11/12/19 11:54	7664-41-7	ML

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PART 360 10/28
Pace Project No.: 70109964

Sample: **BELT PRESS SLUDGE #2** Lab ID: 70109964001 Collected: 10/28/19 09:30 Received: 10/29/19 10:20 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	360	mg/kg	87.9	1	11/08/19 08:28	11/09/19 12:33	7727-37-9	M6
9056 IC Anions 48hr		Analytical Method: EPA 9056A Preparation Method: EPA 9056A						
Nitrate as N	293	mg/kg	7.0	1	11/04/19 19:59	11/05/19 02:43	14797-55-8	
Nitrite as N	<7.0	mg/kg	7.0	1	11/04/19 19:59	11/05/19 02:43	14797-65-0	

REPORT OF LABORATORY ANALYSIS

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SECTION 6 – PATHOGEN REDUCTION & VECTOR ATTRACTION REDUCTION

Check one method for each:

Pathogen Reduction 361-3.7(a)

- Windrow Composting
- Aerated Static Pile Composting
- In-vessel Composting
- Other (specify): _____

Vector Attraction Reduction 361-3.7(b)

- 38% Volatile Solids Reduction
- Bench Scale Anaerobic Digestion
- Bench Scale Aerobic Digestion
- SOUR
- Aerobic Process 14 days, >40 °C, >45 °C avg.
- pH raised to ≥ 12 for 2 hours and ≥ 11.5 for 22 hours
- 75% solids
- 90% solids (untreated solids)

Attach operating and monitoring data to show compliance with methods chosen. Temperature data records should indicate when a pile was created, pile was moved, additional material was added and/or pile was turned.

**Village Of Sedus Biosolids Composting Facility
COMPOST PILE LOG SHEET**

File Number <u>3</u> for 20 <u>19</u> Date Pile was made: _____				File Number <u>4</u> for 20 <u>19</u> Date Pile was made: _____				File Number <u>2</u> for 20 <u>19</u> Date Pile was made: _____			
Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> Sludge: <u>20</u>				Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> Sludge: <u>20</u>				Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> Sludge: <u>20</u>			
Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.				Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.				Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.			
Ratio of Woodchips to Sludge: <u>2 to 1</u>				Ratio of Woodchips to Sludge: <u>2 to 1</u>				Ratio of Woodchips to Sludge: <u>2 to 1</u>			
Pile Detention Time and Temperature				Pile Detention Time and Temperature				Pile Detention Time and Temperature			
Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile
MON	4/22/19	60/63		MON	4/22/19	58/63		WED	5/1/19	50/55	
TUES	4/23/19	64/60		TUES	4/23/19	58/62		THURS	5/2/19	55/55	
WED	4/24/19	63/60	X	WED	4/24/19	58/60	X	FRI	5/3/19	55/57	X
THURS	4/25/19	58/63		THURS	4/25/19	60/64		SAT	5/4/19	55/55	
FRI	4/26/19	64/63	X	FRI	4/26/19	70/65	X	SUN	5/5/19	55/55	
SAT	4/27/19	62/63		SAT	4/27/19	77/70		MON	5/6/19	55/52	
SUN	4/28/19	62/61		SUN	4/28/19	71/75		TUES	5/7/19	58/58	X
MON	4/29/19	60/70	X	MON	4/29/19	75/72	X	WED	5/8/19	53/58	
TUES	4/30/19	58/55		TUES	4/30/19	70/72		THURS	5/9/19	58/60	
WED	5/1/19	60/60		WED	5/1/19	73/75		FRI	5/10/19	55/60	X
THURS	5/2/19	65/60		THURS	5/2/19	74/75		SAT	5/11/19	54/58	
FRI	5/3/19	65/60		FRI	5/3/19	72/74	X	SUN	5/12/19	56/57	
SAT	5/4/19	62/60	X	SAT	5/4/19	69/68		MON	5/13/19	55/58	X
SUN	5/5/19	64/60		SUN	5/5/19	72/70		TUES	5/14/19	55/52	
MON	5/6/19	55/60		MON	5/6/19	60/67		WED	5/15/19	55/60	
TUES	5/7/19	55/63	X	TUE	5/7/19	58/65	X	THURS	5/16/19	55/60	X
Curing Time: <u>35 Days</u> — Curing Ends				Curing Time: <u>35 Days</u> — Curing Ends				Curing Time: <u>35 Days</u> — Curing Ends			
Drains Checked: <u>yes, everyday with temp checks</u>				Drains Checked: <u>yes, everyday with temp checks</u>				Drains Checked: <u>yes, everyday with temp checks</u>			
Problems: _____				Problems: _____				Problems: _____			
Comments: <u>Screened on :</u>				Comments: <u>Screened on :</u>				Comments: <u>Screened on :</u>			

**Village Of Sodus Biosolids Composting Facility
COMPOST PILE LOG SHEET**

Pile Detention Time and Temperature				Pile Detention Time and Temperature				Pile Detention Time and Temperature			
Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile
TUES	6/4/19	64/72		TUES	5/28/19	54/56		MON	6/17/19	60/65	
WED	6/5/19	67/75	X	WED	5/22/19	55/56	X	TUES	6/18/19	65/68	
THURS	6/6/19	60/55		THURS	5/23/19	53/54		WED	6/19/19	74/72	X
Fri	6/7/19	68/72		FRI	5/24/19	55/55		THUR	6/20/19	58/72	
Sat	6/8/19	72/78		SAT	5/25/19	54/55		FRI	6/21/19	79/74	X
Sun	6/9/19	72/77		SUN	5/26/19	60/60		SAT	6/22/19	67/51	
Mon	6/10/19	72/76	X	MON	5/27/19	59/60		SUN	6/23/19	77/68	
Tue	6/11/19	60/70		TUES	5/28/19	62/55	X	MON	6/24/19	70/76	
Wed	6/12/19	67/74		WED	5/29/19	54/56		TUES	6/25/19	70/76	
Thurs	6/13/19	70/75		THURS	5/30/19	54/57	X	WED	6/26/19	70/76	X
Fri	6/14/19	72/76	X	FRI	5/31/19	53/52		THUR	6/27/19	65/72	
Sat	6/15/19	70/74		SAT	6/1/19	53/53		FRI	6/28/19	64/68	
Sun	6/16/19	65/64		SUN	6/2/19	56/53		SAT	6/29/19	60/65	
Mon	6/17/19	60/60	X	MON	6/3/19	58/54	X	SUN	6/30/19	64/67	
Tue	6/18/19	70/75		TUE	6/4/19	50/51		MON	7/1/19	60/67	X
Wed	6/19/19	66/62	X	WED	6/5/19	53/54	X	TUES	7/2/19	72/75	X
Curing Time: 35 Days—Curing Ends				Curing Time: 35 Days—Curing Ends				Curing Time 35 Days: Curing Ends			
Drains Checked: yes, everyday with temp. checks				Drains Checked: yes, everyday with temp. checks				Drains Checked: yes, everyday with temp. checks			
Problems:				Problems:				Problems:			
Comments: Screened on:				Comments: Screened on:				Comments: Screened on:			

**Village Of Sodus Biosolids Composting Facility
COMPOST PILE LOG SHEET**

Pile Number <u>7</u> for 20 <u>19</u> Date Pile was made: <u>6/7/19</u>				Pile Number <u>8</u> for 20 <u>19</u> Date Pile was made: <u>6/25/19</u>				Pile Number <u>9</u> for 20 <u>19</u> Date Pile was made: <u>7/10/19</u>			
Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> Sludge: <u>20</u>				Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> Sludge: <u>20</u>				Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> Sludge: <u>20</u>			
Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.				Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.				Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.			
Ratio of Woodchips to Sludge: <u>2 to 1</u>				Ratio of Woodchips to Sludge: <u>2 to 1</u>				Ratio of Woodchips to Sludge: <u>2 to 1</u>			
Pile Detention Time and Temperature				Pile Detention Time and Temperature				Pile Detention Time and Temperature			
Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile
TUES	6/18/19	58/65		MON	7/15/19	64/61	X	WED	7/24/19	58/50	
WED	6/19/19	70/72		TUES	7/16/19	55/40		THUR	7/25/19	58/66	
THUR	6/20/19	70/72		WED	7/17/19	55/60		FRI	7/26/19	66/62	X
FRI	6/21/19	70/72	X	THUR	7/18/19	60/65	X	SAT	7/27/19	60/56	
SAT	6/22/19	67/78		FRI	7/19/19	55/60		SUN	7/28/19	66/65	
SUN	6/23/19	67/74		SAT	7/20/19	68/69		MON	7/29/19	60/68	
MON	6/24/19	72/64		SUN	7/21/19	65/68		TUE	7/30/19	65/68	X
TUES	6/25/19	62/67	X	MON	7/22/19	65/66	X	WED	7/31/19	52/65	
WED	6/26/19	70/64		TUES	7/23/19	67/62		THUR	8/1/19	58/60	
THUR	6/27/19	60/58		WED	7/24/19	70/65		FRI	8/2/19	64/65	
FRI	6/28/19	58/56	X	THUR	7/25/19	65/70		SAT	8/3/19	64/65	X
SAT	6/29/19	75/66		FRI	7/26/19	65/68	X	SUN	8/4/19	63/60	
SUN	6/30/19	70/66		SAT	7/27/19	62/60		MON	8/5/19	65/60	
MON	7/1/19	77/60	X	SUN	7/28/19	70/60		TUES	8/6/19	68/70	X
TUES	7/2/19	67/74		MON	7/29/19	65/64		WED	8/7/19	61/57	
WED	7/3/19	66/68	X	TUES	7/30/19	63/64	X	THUR	8/8/19	65/60	X
Curing Time: 35 Days — Curing Ends				Curing Time: 35 Days — Curing Ends				Curing Time 35 Days: Curing Ends			
Drains Checked: <u>yes, everyday with temp checks</u>				Drains Checked: <u>yes, everyday with temp checks</u>				Drains Checked: <u>yes, everyday with temp. checks</u>			
Problems:				Problems:				Problems:			
Comments: <u>Screened on:</u>				Comments: <u>Screened on:</u>				Comments: <u>Screened on:</u>			

**Village Of Sodus Biosolids Composting Facility
COMPOST PILE LOG SHEET**

Pile Number <u>10</u> for 2019 Date Pile was made: <u>8/13/19</u>				Pile Number <u>11</u> for 2019 Date Pile was made: <u>9/30/19</u>				Pile Number <u>12</u> for 2019 Date Pile was made: <u>10/30/19</u>			
Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> <u>20</u> Sludge:				Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> <u>20</u> Sludge:				Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> <u>20</u> Sludge:			
Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.				Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.				Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.			
Ratio of Woodchips to Sludge: <u>2 to 1</u>				Ratio of Woodchips to Sludge: <u>2 to 1</u>				Ratio of Woodchips to Sludge: <u>2 to 1</u>			
Pile Detention Time and Temperature				Pile Detention Time and Temperature				Pile Detention Time and Temperature			
Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile
FRI	8/23/19	68/62		FRI	10/11/19	63/55		THUR	11/14/19	66/55	
SAT	8/24/19	74/70		SAT	10/12/19	63/57		FRI	11/15/19	65/55	
SUN	8/25/19	72/70		SUN	10/13/19	65/60		SAT	11/16/19	65/58	
MON	8/26/19	62/55		MON	10/14/19	65/61		SUN	11/17/19	64/56	
TUES	8/27/19	62/55	X	TUES	10/15/19	63/65	X	MON	11/18/19	64/62	X
WED	8/28/19	75/65		WED	10/16/19	63/70		TUES	11/19/19	59/64	
THUR	8/29/19	68/59		THUR	10/17/19	74/95		WED	11/20/19	62/67	
FRI	8/30/19	60/55	X	FRI	10/18/19	73/71	X	THUR	11/21/19	66/68	X
SAT	8/31/19	74/65		SAT	10/19/19	73/72		FRI	11/22/19	65/65	
SUN	9/1/19	72/58		SUN	10/20/19	73/73		SAT	11/23/19	65/66	
MON	9/2/19	71/55		MON	10/21/19	72/68		SUN	11/24/19	63/65	
TUE	9/3/19	70/55	X	TUES	10/22/19	68/72	X	MON	11/25/19	60/67	X
WED	9/4/19	68/66		WED	10/23/19	68/68		TUES	11/26/19	60/57	
THUR	9/5/19	55/58	X	THUR	10/24/19	78/72		WED	11/27/19	68/70	X
FRI	9/6/19	68/56		FRI	10/25/19	65/60	X	THUR	11/28/19	60/65	
SAT	9/7/19	60/57	X	SAT	10/26/19	68/56	X	FRI	11/29/19	62/60	X
Curing Time: 35 Days — Curing Ends				Curing Time: 35 Days — Curing Ends				Curing Time 35 Days: Curing Ends			
Drains Checked: yes, everyday with temp. checks				Drains Checked: yes, everyday with temp checks				Drains Checked: yes, everyday with temp. checks			
Problems:				Problems:				Problems:			
Comments: Screened on:				Comments: Screened on:				Comments: Screened on:			

**Village Of Sodus Biosolids Composting Facility
COMPOST PILE LOG SHEET**

Pile Number <u>13</u> for 20 <u>19</u> Date Pile was made: _____				Pile Number _____ for 20 _____ Date Pile was made: _____				Pile Number _____ for 20 _____ Date Pile was made: _____			
Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: <u>40</u> <u>20</u> Sludge: _____				Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: _____ _____ Sludge: _____				Bucket Size: <u>1.0</u> cu/yds. Number of Buckets of: Woodchips: _____ _____ Sludge: _____			
Volume of: Woodchips: <u>40</u> cu/yds. Sludge: <u>20</u> cu/yds.				Volume of: Woodchips: _____ cu/yds. Sludge: _____ cu/yds.				Volume of: Woodchips: _____ cu/yds. Sludge: _____ cu/yds.			
Ratio of Woodchips to Sludge: <u>2</u> to <u>1</u>				Ratio of Woodchips to Sludge: <u>2</u> to <u>1</u>				Ratio of Woodchips to Sludge: <u>2</u> to <u>1</u>			
Pile Detention Time and Temperature				Pile Detention Time and Temperature				Pile Detention Time and Temperature			
Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile	Day	Date	Temp.	Turned Pile
FRI	12/6/19	55/60									
SAT	12/7/19	55/61									
SUN	12/8/19	55/61									
MON	12/9/19	61/55	X								
TUES	12/10/19	57/55									
WED	12/11/19	62/72									
THUR	12/12/19	75/55									
FRI	12/13/19	72/55	X								
SAT	12/14/19	55/57									
SUN	12/15/19	60/58									
MON	12/16/19	65/60									
TUE	12/17/19	70/58	X								
WED	12/18/19	58/59									
THUR	12/19/19	68/65									
FRI	12/20/19	65/60	X								
SAT	12/21/19	55/65	X								
Curing Time: <u>35</u> Days — Curing Ends				Curing Time: <u>35</u> Days — Curing Ends				Curing Time <u>35</u> Days: Curing Ends			
Drains Checked: <u>yes, everyday with temp checks</u>				Drains Checked: <u>yes, everyday with temp checks</u>				Drains Checked: <u>yes, everyday with temp. checks</u>			
Problems: _____				Problems: _____				Problems: _____			
Comments: <u>Screened on:</u> _____				Comments: <u>Screened on:</u> _____				Comments: <u>Screened on:</u> _____			

SECTION 7 – FINISHED COMPOST ANALYSIS

Please attach sampling analyses and laboratory reports as required under Part 360 or your permit. Copies of original laboratory results must be attached. All results, except pH and Total Solids, must be on a dry weight basis.

Summarize data in table below or attached document. Print additional pages as needed.

Analysis Date ==>	#1	#2	#3		Permit Pre 2017 Regs.	Permit Post 2017 Regs.
	5/7/19	5/7/19	5/7/19		Monthly Conc. (mg/kg)	Max. Conc. (mg/kg)
Arsenic (mg/kg)	5.8	5.1	4.7		41	41
Cadmium (mg/kg)	0.97	0.87	0.86		10	10
Chromium (mg/kg)	18.3	20.1	18.0		1,000	1,000
Copper (mg/kg)	319	344	282		1,500	1,500
Lead (mg/kg)	53.4	51.1	45.0		300	300
Mercury (mg/kg)	0.11	1.9	0.73		10	10
Molybdenum (mg/kg)	4.1	4.6	3.7		40	40
Nickel (mg/kg)	15.8	15.5	14.3		200	200
Selenium (mg/kg)	2.7	3.2	2.8		100	100
Zinc (mg/kg)	542	594	512		2,500	2,500
TKN (mg/kg)	1610	1980	1300			
Ammonia Nitrogen (mg/kg)	3170	3540	3380			
Nitrate (mg/kg)	1490	1920	637			
Total Phosphorus (mg/kg)	4780	5250	6220			
Total Potassium (mg/kg)	4450	4370	3970			
pH (s.u.)	5.8	5.6	5.6			
Total Solids (%)	57.2	53.8	67.4			
Total Volatile Solids (%)	39.8	40.8	53.7			
Fecal Coliform (MPN/g)					<1,000 MPN/g	
Salmonella sp. (MPN/4g)	<3	<3	<3		<3MPN/4g	
Other _____						

ANALYTICAL RESULTS

Project: COMPOST 5/6
Pace Project No.: 7088334

Sample: FINISHED COMPOST #1 Lab ID: 7088334002 Collected: 05/06/19 10:00 Received: 05/07/19 10:25 Matrix: Solid
Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3050B						
Aluminum	4370	mg/kg	18.6	1	05/17/19 10:57	05/21/19 13:27	7429-90-5	
Antimony	<5.6	mg/kg	5.6	1	05/17/19 10:57	05/21/19 13:27	7440-36-0	
Arsenic	5.8	mg/kg	0.93	1	05/17/19 10:57	05/21/19 13:27	7440-38-2	
Barium	322	mg/kg	18.6	1	05/17/19 10:57	05/21/19 13:27	7440-39-3	
Beryllium	<0.47	mg/kg	0.47	1	05/17/19 10:57	05/21/19 13:27	7440-41-7	
Boron	43.3	mg/kg	4.7	1	05/17/19 10:57	05/21/19 13:27	7440-42-8	
Cadmium	0.97	mg/kg	0.23	1	05/17/19 10:57	05/21/19 13:27	7440-43-9	
Calcium	46600	mg/kg	93.2	1	05/17/19 10:57	05/21/19 13:27	7440-70-2	
Chromium	18.3	mg/kg	0.93	1	05/17/19 10:57	05/21/19 13:27	7440-47-3	
Cobalt	<4.7	mg/kg	4.7	1	05/17/19 10:57	05/21/19 13:27	7440-48-4	
Copper	319	mg/kg	2.3	1	05/17/19 10:57	05/21/19 13:27	7440-50-8	
Iron	10200	mg/kg	9.3	1	05/17/19 10:57	05/21/19 13:27	7439-89-6	
Lead	53.4	mg/kg	0.47	1	05/17/19 10:57	05/21/19 13:27	7439-82-1	
Magnesium	12000	mg/kg	93.2	1	05/17/19 10:57	05/21/19 13:27	7439-95-4	
Manganese	932	mg/kg	1.4	1	05/17/19 10:57	05/21/19 13:27	7439-96-5	
Molybdenum	4.1	mg/kg	1.9	1	05/17/19 10:57	05/21/19 13:27	7439-98-7	
Nickel	15.8	mg/kg	3.7	1	05/17/19 10:57	05/21/19 13:27	7440-02-0	
Potassium	4450	mg/kg	466	1	05/17/19 10:57	05/21/19 13:27	7440-09-7	
Selenium	2.7	mg/kg	0.93	1	05/17/19 10:57	05/21/19 13:27	7782-49-2	
Silver	8.0	mg/kg	0.93	1	05/17/19 10:57	05/21/19 13:27	7440-22-4	
Sodium	1270	mg/kg	466	1	05/17/19 10:57	05/21/19 13:27	7440-23-5	
Thallium	<0.93	mg/kg	0.93	1	05/17/19 10:57	05/21/19 13:27	7440-28-0	
Vanadium	9.2	mg/kg	4.7	1	05/17/19 10:57	05/21/19 13:27	7440-62-2	
Zinc	542	mg/kg	1.8	1	05/17/19 10:57	05/21/19 13:27	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471B Preparation Method: EPA 7471B						
Mercury	0.11	mg/kg	0.061	1	05/09/19 17:07	05/10/19 12:08	7439-97-6	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	45.0	%	0.10	1		05/17/19 17:31		
2540G Total Fixed Vol Solids		Analytical Method: SM22 2540G						
Total Solids	57.2	%	0.10	1		05/07/19 21:29		N3
Total Volatile Solids	39.8	%	0.10	1		05/07/19 21:29		N3
4500PE Total Phosphorus		Analytical Method: SM22 4500-P E Preparation Method: SM22 4500-P B						
Phosphorus	4780	mg/kg	472	100	05/08/19 09:56	05/08/19 11:27	7723-14-0	
Corrosivity pH, <20% Water		Analytical Method: EPA 9045D						
pH	5.8	Std. Units	0.10	1		05/07/19 22:31		
Temperature, Water (C)	23.7	deg C	0.10	1		05/07/19 22:31		
350.1 Ammonia		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	3170	mg/kg	74.0	10	05/13/19 10:10	05/14/19 07:49	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COMPOST 5/6
 Pace Project No.: 7088334

Sample: FINISHED COMPOST # 1 Lab ID: 7088334002 Collected: 05/06/19 10:00 Received: 05/07/19 10:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	1610	mg/kg	455	20	05/15/19 08:02	05/15/19 12:37	7727-37-9	
9056 IC Anions 48hr.		Analytical Method: EPA 9056A Preparation Method: EPA 9056A						
Nitrate as N	1490	mg/kg	36.3	20	05/21/19 08:51	05/21/19 09:39	14797-55-8	
Nitrite as N	<36.3	mg/kg	36.3	20	05/21/19 08:51	05/21/19 09:39	14797-65-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COMPOST 5/6
 Pace Project No.: 7088334

Sample: FINISHED COMPOST # 2 Lab ID: 7088334003 Collected: 05/06/19 10:00 Received: 05/07/19 10:25 Matrix: Solid
 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3050B						
Aluminum	4390	mg/kg	18.4	1	05/17/19 10:57	05/21/19 13:29	7429-90-5	
Antimony	<5.5	mg/kg	5.5	1	05/17/19 10:57	05/21/19 13:29	7440-36-0	
Arsenic	5.1	mg/kg	0.92	1	05/17/19 10:57	05/21/19 13:29	7440-36-2	
Barium	351	mg/kg	18.4	1	05/17/19 10:57	05/21/19 13:29	7440-39-3	
Beryllium	<0.46	mg/kg	0.46	1	05/17/19 10:57	05/21/19 13:29	7440-41-7	
Boron	49.0	mg/kg	4.6	1	05/17/19 10:57	05/21/19 13:29	7440-42-8	
Cadmium	0.87	mg/kg	0.23	1	05/17/19 10:57	05/21/19 13:29	7440-43-9	
Calcium	43900	mg/kg	92.1	1	05/17/19 10:57	05/21/19 13:29	7440-70-2	
Chromium	20.1	mg/kg	0.92	1	05/17/19 10:57	05/21/19 13:29	7440-47-3	
Cobalt	<4.6	mg/kg	4.6	1	05/17/19 10:57	05/21/19 13:29	7440-48-4	
Copper	344	mg/kg	2.3	1	05/17/19 10:57	05/21/19 13:29	7440-50-8	
Iron	9730	mg/kg	9.2	1	05/17/19 10:57	05/21/19 13:29	7439-89-6	
Lead	51.1	mg/kg	0.46	1	05/17/19 10:57	05/21/19 13:29	7439-92-1	
Magnesium	9040	mg/kg	92.1	1	05/17/19 10:57	05/21/19 13:29	7439-95-4	
Manganese	930	mg/kg	1.4	1	05/17/19 10:57	05/21/19 13:29	7439-96-5	
Molybdenum	4.8	mg/kg	1.8	1	05/17/19 10:57	05/21/19 13:29	7439-98-7	
Nickel	15.5	mg/kg	3.7	1	05/17/19 10:57	05/21/19 13:29	7440-02-0	
Potassium	4370	mg/kg	461	1	05/17/19 10:57	05/21/19 13:29	7440-09-7	
Selenium	3.2	mg/kg	0.92	1	05/17/19 10:57	05/21/19 13:29	7782-49-2	
Silver	8.4	mg/kg	0.92	1	05/17/19 10:57	05/21/19 13:29	7440-22-4	
Sodium	1230	mg/kg	461	1	05/17/19 10:57	05/21/19 13:29	7440-23-5	
Thallium	<0.92	mg/kg	0.92	1	05/17/19 10:57	05/21/19 13:29	7440-28-0	
Vanadium	9.2	mg/kg	4.6	1	05/17/19 10:57	05/21/19 13:29	7440-82-2	
Zinc	594	mg/kg	1.8	1	05/17/19 10:57	05/21/19 13:29	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471B Preparation Method: EPA 7471B						
Mercury	1.9	mg/kg	0.078	1	05/09/19 17:07	05/10/19 12:10	7439-97-6	
Percent Moisture		Analytical Method: ASTM D2218-92M						
Percent Moisture	50.1	%	0.10	1		05/17/19 17:32		
2540G Total Fixed Vol Solids		Analytical Method: SM22 2540G						
Total Solids	53.8	%	0.10	1		05/07/19 21:30		N3
Total Volatile Solids	40.8	%	0.10	1		05/07/19 21:30		N3
4500PE Total Phosphorus		Analytical Method: SM22 4500-P E Preparation Method: SM22 4500-P B						
Phosphorus	5250	mg/kg	490	100	05/08/19 09:56	05/08/19 11:27	7723-14-0	
Corrosivity pH, <20% Water		Analytical Method: EPA 9045D						
pH	5.6	Std. Units	0.10	1		05/07/19 22:32		
Temperature, Water (C)	23.8	deg. C	0.10	1		05/07/19 22:32		
350.1 Ammonia		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	3540	mg/kg	82.1	10	05/13/19 10:10	05/14/19 07:50	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: COMPOST 5/6

Pace Project No.: 7088334

Sample: FINISHED COMPOST # 2 Lab ID: 7088334003 Collected: 05/06/19 10:00 Received: 05/07/19 10:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen	Analytical Method: EPA 351.2 Preparation Method: EPA 351.2							
Nitrogen, Kjeldahl, Total	1980	mg/kg	501	20	05/15/19 06:02	05/15/19 12:38	7727-37-9	
9056 IC Anions 48hr	Analytical Method: EPA 9056A Preparation Method: EPA 9056A							
Nitrate as N	1920	mg/kg	39.9	20	05/21/19 08:51	05/21/19 09:56	14797-55-8	
Nitrite as N	<39.9	mg/kg	39.9	20	05/21/19 08:51	05/21/19 09:56	14797-65-0	

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ANALYTICAL RESULTS

Project: COMPOST 5/6

Pace Project No.: 7088334

Sample: FINISHED COMPOST # 3 Lab ID: 7088334004 Collected: 05/06/19 10:00 Received: 05/07/19 10:25 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3050B						
Aluminum	4020	mg/kg	15.6	1	05/17/19 10:57	05/21/19 13:31	7429-90-5	
Antimony	<4.7	mg/kg	4.7	1	05/17/19 10:57	05/21/19 13:31	7440-36-0	
Arsenic	4.7	mg/kg	0.78	1	05/17/19 10:57	05/21/19 13:31	7440-38-2	
Barium	317	mg/kg	15.6	1	05/17/19 10:57	05/21/19 13:31	7440-39-3	
Beryllium	<0.39	mg/kg	0.39	1	05/17/19 10:57	05/21/19 13:31	7440-41-7	
Boron	42.2	mg/kg	3.8	1	05/17/19 10:57	05/21/19 13:31	7440-42-8	
Cadmium	0.86	mg/kg	0.19	1	05/17/19 10:57	05/21/19 13:31	7440-43-9	
Calcium	43400	mg/kg	77.8	1	05/17/19 10:57	05/21/19 13:31	7440-70-2	
Chromium	18.0	mg/kg	0.78	1	05/17/19 10:57	05/21/19 13:31	7440-47-3	
Cobalt	<3.9	mg/kg	3.9	1	05/17/19 10:57	05/21/19 13:31	7440-48-4	
Copper	282	mg/kg	1.9	1	05/17/19 10:57	05/21/19 13:31	7440-50-8	
Iron	9290	mg/kg	7.8	1	05/17/19 10:57	05/21/19 13:31	7439-89-6	
Lead	45.0	mg/kg	0.39	1	05/17/19 10:57	05/21/19 13:31	7439-92-1	
Magnesium	9880	mg/kg	77.8	1	05/17/19 10:57	05/21/19 13:31	7439-95-4	
Manganese	848	mg/kg	1.2	1	05/17/19 10:57	05/21/19 13:31	7439-96-5	
Molybdenum	3.7	mg/kg	1.6	1	05/17/19 10:57	05/21/19 13:31	7439-98-7	
Nickel	14.3	mg/kg	3.1	1	05/17/19 10:57	05/21/19 13:31	7440-02-0	
Potassium	3970	mg/kg	389	1	05/17/19 10:57	05/21/19 13:31	7440-09-7	
Selenium	2.8	mg/kg	0.78	1	05/17/19 10:57	05/21/19 13:31	7782-49-2	
Silver	8.2	mg/kg	0.78	1	05/17/19 10:57	05/21/19 13:31	7440-22-4	
Sodium	1140	mg/kg	389	1	05/17/19 10:57	05/21/19 13:31	7440-23-5	
Thallium	<0.78	mg/kg	0.78	1	05/17/19 10:57	05/21/19 13:31	7440-28-0	
Vanadium	8.5	mg/kg	3.9	1	05/17/19 10:57	05/21/19 13:31	7440-62-2	
Zinc	512	mg/kg	1.6	1	05/17/19 10:57	05/21/19 13:31	7440-56-6	
7471 Mercury		Analytical Method: EPA 7471B Preparation Method: EPA 7471B						
Mercury	0.73	mg/kg	0.052	1	05/09/19 17:07	05/10/19 12:11	7439-97-6	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	33.4	%	0.10	1		05/17/19 17:33		
2540G Total Fixed Vol Solids		Analytical Method: SM22 2540G						
Total Solids	67.4	%	0.10	1		05/07/19 21:31		N3
Total Volatile Solids	53.7	%	0.10	1		05/07/19 21:31		N3
4500PE Total Phosphorus		Analytical Method: SM22 4500-P E Preparation Method: SM22 4500-P B						
Phosphorus	6220	mg/kg	373	100	05/08/19 09:56	05/08/19 11:27	7723-14-0	
Corrosivity, pH, <20% Water		Analytical Method: EPA 9045D						
pH	5.6	Std. Units	0.10	1		05/07/19 22:34		
Temperature, Water (C)	23.9	deg C	0.10	1		05/07/19 22:34		
350.1 Ammonia		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	3380	mg/kg	59.6	10	05/13/19 10:10	05/14/19 07:51	7864-41-7	

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ANALYTICAL RESULTS

Project: COMPOST 5/6
 Pace Project No.: 7088334

Sample: FINISHED COMPOST # 3 Lab ID: 7088334004 Collected: 05/06/19 10:00 Received: 05/07/19 10:25 Matrix: Solid
 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	1300	mg/kg	375	20	05/15/19 06:02	05/15/19 12:39	7727-37-9	
9056 IC Anions 48hr		Analytical Method: EPA 9056A Preparation Method: EPA 9056A						
Nitrate as N	637	mg/kg	30.0	20	05/21/19 08:51	05/21/19 10:13	14797-55-8	
Nitrite as N	<30.0	mg/kg	30.0	20	05/21/19 08:51	05/21/19 10:13	14797-65-0	

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-- LABORATORY ANALYSIS REPORT --

PACE Analytical Inc. Melville, NY

Sample ID: Sodus **LSL Sample ID:** 1906324-001
Location: Finished Compost #1
Sampled: 05/06/19 10:00 **Sampled By:**
Sample Matrix: SHW as Recd

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Units				
(1) EPA 1682(2014) Salmonella by MSRV					
Salmonella	<3	mpn/4g Dry		5/6/19 14:40	DA
<i>The NYS DOH ELAP does not offer certification for this analyte.</i>					
(1) SM 2540 B-2011 Total Solids					
Total Solids @ 103-105 C	27	%		5/7/19	MM2
<i>The NYS DOH ELAP does not offer certification for this analyte in this matrix.</i>					

Sample ID: Sodus **LSL Sample ID:** 1906324-002
Location: Finished Compost #2
Sampled: 05/06/19 10:00 **Sampled By:**
Sample Matrix: SHW as Recd

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Units				
(1) EPA 1682(2014) Salmonella by MSRV					
Salmonella	<3	mpn/4g Dry		5/6/19 14:40	DA
<i>The NYS DOH ELAP does not offer certification for this analyte.</i>					
(1) SM 2540 B-2011 Total Solids					
Total Solids @ 103-105 C	63	%		5/7/19	MM2
<i>The NYS DOH ELAP does not offer certification for this analyte in this matrix.</i>					

Sample ID: Sodus **LSL Sample ID:** 1906324-003
Location: Finished Compost #3
Sampled: 05/06/19 10:00 **Sampled By:**
Sample Matrix: SHW as Recd

Analytical Method	Result	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Units				
(1) EPA 1682(2014) Salmonella by MSRV					
Salmonella	<3	mpn/4g Dry		5/6/19 14:40	DA
<i>The NYS DOH ELAP does not offer certification for this analyte.</i>					
(1) SM 2540 B-2011 Total Solids					
Total Solids @ 103-105 C	49	%		5/7/19	MM2
<i>The NYS DOH ELAP does not offer certification for this analyte in this matrix.</i>					

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes

SECTION 7 - FINISHED COMPOST ANALYSIS

Please attach sampling analyses and laboratory reports as required under Part 360 or your permit. Copies of original laboratory results must be attached. All results, except pH and Total Solids, must be on a dry weight basis.

Summarize data in table below or attached document. Print additional pages as needed.

Analysis Date ⇒	# 4 10/29/19	# 5 10/29/19	# 6 10/29/19		Permit Pre 2017 Regs. Monthly Conc. (mg/kg)	Permit Post 2017 Regs. Max. Conc. (mg/kg)
Arsenic (mg/kg)	2.9	4.1	3.2		41	41
Cadmium (mg/kg)	0.67	0.75	0.79		10	10
Chromium (mg/kg)	12.1	23.7	13.9		1,000	1,000
Copper (mg/kg)	277	355	326		1,500	1,500
Lead (mg/kg)	23.6	41.0	33.2		300	300
Mercury (mg/kg)	1.1	1.8	1.3		10	10
Molybdenum (mg/kg)	4.3	5.5	4.3		40	40
Nickel (mg/kg)	10.0	14.2	12.5		200	200
Selenium (mg/kg)	4.2	4.5	4.3		100	100
Zinc (mg/kg)	415	592	486		2,500	2,500
TKN (mg/kg)	3160	970	1990			
Ammonia Nitrogen (mg/kg)	7270	3330	3920			
Nitrate (mg/kg)	9.1	33.8	232.2			
Total Phosphorus (mg/kg)	9410	11200	10100			
Total Potassium (mg/kg)	4170	4530	4320			
pH (s.u.)	7.0	5.0	5.6			
Total Solids (%)	48.2	59.7	65.7			
Total Volatile Solids (%)	63.7	59.6	52.3			
Fecal Coliform (MPN/g)					<1,000 MPN/g	
Salmonella sp. (MPN/4g)	<3	<3	<3		<3MPN/4g	
Other _____						



ANALYTICAL RESULTS

Project: PART 360 10/28
 Pace Project No.: 70109964

Sample: FINISHED COMPOST #4 Lab ID: 70109964002 Collected: 10/28/19 09:30 Received: 10/29/19 10:20 Matrix: Solid
 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3050B						
Aluminum	1940	mg/kg	21.2	1	11/06/19 12:17	11/08/19 12:42	7429-90-5	
Antimony	<6.4	mg/kg	6.4	1	11/06/19 12:17	11/08/19 12:42	7440-36-0	
Arsenic	2.9	mg/kg	1.1	1	11/06/19 12:17	11/08/19 12:42	7440-38-2	
Barium	311	mg/kg	21.2	1	11/06/19 12:17	11/08/19 12:42	7440-39-3	
Beryllium	<0.53	mg/kg	0.53	1	11/06/19 12:17	11/08/19 12:42	7440-41-7	
Boron	57.0	mg/kg	5.3	1	11/06/19 12:17	11/08/19 12:42	7440-42-8	
Cadmium	0.67	mg/kg	0.26	1	11/06/19 12:17	11/08/19 12:42	7440-43-9	
Calcium	31900	mg/kg	106	1	11/06/19 12:17	11/08/19 12:42	7440-70-2	
Chromium	12.1	mg/kg	1.1	1	11/06/19 12:17	11/08/19 12:42	7440-47-3	
Cobalt	<5.3	mg/kg	5.3	1	11/06/19 12:17	11/08/19 12:42	7440-48-4	
Copper	277	mg/kg	2.6	1	11/06/19 12:17	11/08/19 12:42	7440-50-8	
Iron	6110	mg/kg	10.6	1	11/06/19 12:17	11/08/19 12:42	7439-89-6	
Lead	23.6	mg/kg	0.53	1	11/06/19 12:17	11/08/19 12:42	7439-92-1	
Magnesium	6980	mg/kg	106	1	11/06/19 12:17	11/08/19 12:42	7439-95-4	
Manganese	724	mg/kg	1.6	1	11/06/19 12:17	11/08/19 12:42	7439-96-5	
Molybdenum	4.3	mg/kg	2.1	1	11/06/19 12:17	11/08/19 12:42	7439-98-7	
Nickel	10	mg/kg	4.2	1	11/06/19 12:17	11/08/19 12:42	7440-02-0	
Potassium	4170	mg/kg	530	1	11/06/19 12:17	11/08/19 12:42	7440-09-7	
Selenium	4.2	mg/kg	1.1	1	11/06/19 12:17	11/08/19 12:42	7782-49-2	
Silver	7.9	mg/kg	1.1	1	11/06/19 12:17	11/08/19 12:42	7440-22-4	
Sodium	1990	mg/kg	530	1	11/06/19 12:17	11/08/19 12:42	7440-23-5	
Thallium	<1.1	mg/kg	1.1	1	11/06/19 12:17	11/08/19 12:42	7440-28-0	
Vanadium	<5.3	mg/kg	5.3	1	11/06/19 12:17	11/08/19 12:42	7440-62-2	
Zinc	415	mg/kg	2.1	1	11/06/19 12:17	11/08/19 12:42	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471B Preparation Method: EPA 7471B						
Mercury	1.1	mg/kg	0.059	1	11/12/19 12:20	11/12/19 18:01	7439-97-6	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	52.7	%	0.10	1		10/29/19 17:22		
2540G Total Fixed Vol Solids		Analytical Method: SM22 2540G						
Total Solids	48.2	%	0.10	1		10/29/19 17:34		N3
Total Volatile Solids	63.7	%	0.10	1		10/29/19 17:34		N3
4500PE Total Phosphorus		Analytical Method: SM22 4500-P E Preparation Method: SM22 4500-P B						
Phosphorus	9410	mg/kg	502	100	10/30/19 10:34	10/30/19 12:09	7723-14-0	
Corrosivity pH, <20% Water		Analytical Method: EPA 9045D						
pH	7.0	Std. Units	0.10	1		10/29/19 15:08		
Temperature, Water (C)	23.9	deg C	0.10	1		10/29/19 15:08		
350.1 Ammonia		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	7270	mg/kg	42.7	5	11/11/19 09:10	11/12/19 11:57	7664-41-7	

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ANALYTICAL RESULTS

Project: PART 360 10/28

Pace Project No.: 70109964

Sample: FINISHED COMPOST #4 Lab ID: 70109964002 Collected: 10/28/19 09:30 Received: 10/29/19 10:20 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	3160	mg/kg	529	20	11/08/19 08:28	11/09/19 11:43	7727-37-9	
9056 IC Anions 48hr		Analytical Method: EPA 9056A Preparation Method: EPA 9056A						
Nitrate as N	9.1	mg/kg	2.1	1	11/04/19 19:59	11/05/19 03:00	14797-55-8	
Nitrite as N	<2.1	mg/kg	2.1	1	11/04/19 19:59	11/05/19 03:00	14797-65-0	

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ANALYTICAL RESULTS

Project: PART 360 10/28
 Pace Project No.: 70109964

Sample: **FINISHED COMPOST #5** Lab ID: 70109964003 Collected: 10/28/19 09:30 Received: 10/29/19 10:20 Matrix: Solid
 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3050B						
Aluminum	3560	mg/kg	18.3	1	11/06/19 12:17	11/08/19 12:45	7429-90-5	
Antimony	<5.5	mg/kg	5.5	1	11/06/19 12:17	11/08/19 12:45	7440-36-0	
Arsenic	4.1	mg/kg	0.91	1	11/06/19 12:17	11/08/19 12:45	7440-38-2	
Barium	399	mg/kg	18.3	1	11/06/19 12:17	11/08/19 12:45	7440-39-3	
Beryllium	<0.46	mg/kg	0.46	1	11/06/19 12:17	11/08/19 12:45	7440-41-7	
Boron	42.9	mg/kg	4.6	1	11/06/19 12:17	11/08/19 12:45	7440-42-8	
Cadmium	0.75	mg/kg	0.23	1	11/06/19 12:17	11/08/19 12:45	7440-43-9	
Calcium	53600	mg/kg	91.5	1	11/06/19 12:17	11/08/19 12:45	7440-70-2	
Chromium	23.7	mg/kg	0.91	1	11/06/19 12:17	11/08/19 12:45	7440-47-3	
Cobalt	<4.6	mg/kg	4.6	1	11/06/19 12:17	11/08/19 12:45	7440-48-4	
Copper	355	mg/kg	2.3	1	11/06/19 12:17	11/08/19 12:45	7440-50-8	
Iron	9550	mg/kg	9.1	1	11/06/19 12:17	11/08/19 12:45	7439-89-6	
Lead	41.0	mg/kg	<0.46	1	11/06/19 12:17	11/08/19 12:45	7439-92-1	
Magnesium	15700	mg/kg	91.5	1	11/06/19 12:17	11/08/19 12:45	7439-95-4	
Manganese	841	mg/kg	1.4	1	11/06/19 12:17	11/08/19 12:45	7439-96-5	
Molybdenum	5.5	mg/kg	1.8	1	11/06/19 12:17	11/08/19 12:45	7439-98-7	
Nickel	14.2	mg/kg	3.7	1	11/06/19 12:17	11/08/19 12:45	7440-02-0	
Potassium	4530	mg/kg	457	1	11/06/19 12:17	11/08/19 12:45	7440-09-7	
Selenium	4.5	mg/kg	0.91	1	11/06/19 12:17	11/08/19 12:45	7782-49-2	
Silver	10	mg/kg	0.91	1	11/06/19 12:17	11/08/19 12:45	7440-22-4	
Sodium	2300	mg/kg	457	1	11/06/19 12:17	11/08/19 12:45	7440-23-5	
Thallium	<0.91	mg/kg	0.91	1	11/06/19 12:17	11/08/19 12:45	7440-28-0	
Vanadium	7.0	mg/kg	4.6	1	11/06/19 12:17	11/08/19 12:45	7440-62-2	
Zinc	592	mg/kg	1.8	1	11/06/19 12:17	11/08/19 12:45	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471B Preparation Method: EPA 7471B						
Mercury	1.8	mg/kg	0.061	1	11/12/19 12:20	11/12/19 16:03	7439-97-6	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	41.0	%	0.10	1		10/29/19 17:23		
2540G Total Fixed Vol Solids		Analytical Method: SM22 2540G						
Total Solids	59.7	%	0.10	1		10/29/19 17:35		N3
Total Volatile Solids	59.6	%	0.10	1		10/29/19 17:35		N3
4500PE Total Phosphorus		Analytical Method: SM22 4500-P-E Preparation Method: SM22 4500-P-B						
Phosphorus	11200	mg/kg	414	100	10/30/19 10:34	10/30/19 12:09	7723-14-0	
Corrosivity pH, <20% Water		Analytical Method: EPA 9045D						
pH	5.0	Std. Units	0.10	1		10/29/19 15:08		
Temperature, Water (C)	23.9	deg C	0.10	1		10/29/19 15:08		
350.1 Ammonia		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	3330	mg/kg	34.4	5	11/11/19 09:10	11/12/19 12:00	7664-41-7	

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ANALYTICAL RESULTS

Project: PART 360 10/28
 Pace Project No.: 70109964

Sample: FINISHED COMPOST #5 Lab ID: 70109964003 Collected: 10/28/19 09:30 Received: 10/29/19 10:20 Matrix: Solid
 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen Analytical Method: EPA 351.2 Preparation Method: EPA 351.2								
Nitrogen, Kjeldahl, Total	970	mg/kg	423	20	11/08/19 08:28	11/09/19 11:44	7727-37-9	
9056 IC Anions 48hr Analytical Method: EPA 9056A Preparation Method: EPA 9056A								
Nitrate as N	33.8	mg/kg	33.7	20	11/04/19 19:59	11/05/19 03:33	14797-85-8	
Nitrite as N	<1.7	mg/kg	1.7	1	11/04/19 19:59	11/05/19 03:16	14797-65-0	

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ANALYTICAL RESULTS

Project: PART 360 10/28
 Pace Project No.: 70109964

Sample: FINISHED COMPOST #6 Lab ID: 70109964004 Collected: 10/28/19 09:30 Received: 10/29/19 10:20 Matrix: Solid
 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010C Preparation Method: EPA 3050B						
Aluminum	2700	mg/kg	16.6	1	11/06/19 12:17	11/08/19 12:47	7429-90-5	
Antimony	<5.0	mg/kg	5.0	1	11/06/19 12:17	11/08/19 12:47	7440-36-0	
Arsenic	3.2	mg/kg	0.83	1	11/06/19 12:17	11/08/19 12:47	7440-38-2	
Barium	310	mg/kg	16.6	1	11/06/19 12:17	11/08/19 12:47	7440-39-3	
Beryllium	<0.41	mg/kg	0.41	1	11/06/19 12:17	11/08/19 12:47	7440-41-7	
Boron	43.9	mg/kg	4.1	1	11/06/19 12:17	11/08/19 12:47	7440-42-8	
Cadmium	0.79	mg/kg	0.21	1	11/06/19 12:17	11/08/19 12:47	7440-43-9	
Calcium	52000	mg/kg	83.0	1	11/06/19 12:17	11/08/19 12:47	7440-70-2	
Chromium	13.9	mg/kg	0.83	1	11/06/19 12:17	11/08/19 12:47	7440-47-3	
Cobalt	<4.1	mg/kg	4.1	1	11/06/19 12:17	11/08/19 12:47	7440-48-4	
Copper	326	mg/kg	2.1	1	11/06/19 12:17	11/08/19 12:47	7440-50-8	
Iron	7320	mg/kg	8.3	1	11/06/19 12:17	11/08/19 12:47	7439-89-6	
Lead	33.2	mg/kg	0.41	1	11/06/19 12:17	11/08/19 12:47	7439-92-1	
Magnesium	18600	mg/kg	83.0	1	11/06/19 12:17	11/08/19 12:47	7439-95-4	
Manganese	825	mg/kg	1.2	1	11/06/19 12:17	11/08/19 12:47	7439-96-5	
Molybdenum	4.3	mg/kg	1.7	1	11/06/19 12:17	11/08/19 12:47	7439-98-7	
Nickel	12.5	mg/kg	3.3	1	11/06/19 12:17	11/08/19 12:47	7440-02-0	
Potassium	4320	mg/kg	415	1	11/06/19 12:17	11/08/19 12:47	7440-09-7	
Selenium	4.3	mg/kg	0.83	1	11/06/19 12:17	11/08/19 12:47	7782-49-2	
Silver	8.3	mg/kg	0.83	1	11/06/19 12:17	11/08/19 12:47	7440-22-4	
Sodium	2310	mg/kg	415	1	11/06/19 12:17	11/08/19 12:47	7440-23-5	
Thallium	<0.83	mg/kg	0.83	1	11/06/19 12:17	11/08/19 12:47	7440-28-0	
Vanadium	6.0	mg/kg	4.1	1	11/06/19 12:17	11/08/19 12:47	7440-62-2	
Zinc	486	mg/kg	1.7	1	11/06/19 12:17	11/08/19 12:47	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471B Preparation Method: EPA 7471B						
Mercury	1.3	mg/kg	0.056	1	11/12/19 12:20	11/12/19 16:05	7439-97-6	
Percent Moisture		Analytical Method: ASTM D2216-92M						
Percent Moisture	38.2	%	0.10	1		10/29/19 17:24		
2540G Total Fixed Vol Solids		Analytical Method: SM22 2540G						
Total Solids	65.7	%	0.10	1		10/29/19 17:36		N3
Total Volatile Solids	52.3	%	0.10	1		10/29/19 17:36		N3
4500PE Total Phosphorus		Analytical Method: SM22 4500-P E Preparation Method: SM22 4500-P B						
Phosphorus	10100	mg/kg	391	100	10/30/19 10:34	10/30/19 12:09	7723-14-0	
Corrosivity pH, <20% Water		Analytical Method: EPA 9045D						
pH	5.6	Std. Units	0.10	1		10/29/19 15:08		
Temperature, Water (C)	23.9	deg C	0.10	1		10/29/19 15:08		
350.1 Ammonia		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	3920	mg/kg	32.9	5	11/11/19 09:10	11/12/19 11:58	7664-41-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PART 360 10/28
 Pace Project No.: 70109964

Sample: **FINISHED COMPOST #6** Lab ID: 70109964004 Collected: 10/28/19 09:30 Received: 10/29/19 10:20 Matrix: Solid
 Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
351.2 Total Kjeldahl Nitrogen		Analytical Method: EPA 351.2 Preparation Method: EPA 351.2						
Nitrogen, Kjeldahl, Total	1990	mg/kg	405	20	11/08/19 08:28	11/09/19 11:45	7727-37-9	
9056 IC Anions 48hr		Analytical Method: EPA 9056A Preparation Method: EPA 9056A						
Nitrate as N	<32.2	mg/kg	32.2	20	11/04/19 19:59	11/05/19 04:06	14797-55-8	
Nitrite as N	<1.6	mg/kg	1.6	1	11/04/19 19:59	11/05/19 03:50	14797-65-0	

REPORT OF LABORATORY ANALYSIS

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-- LABORATORY ANALYSIS REPORT --

PACE Analytical Inc. Melville, NY

Sample ID: Sodus WWTP **LSL Sample ID:** 1918077-001
Location: Finished Compost #4
Sampled: 10/28/19 9:30 **Sampled By:** Not Provided

Sample Matrix: SHW Dry Wt, Compost

Analytical Method	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result Units			
(1) EPA 1682(2014) Salmonella by MSRV				
Salmonella	<3 MPN/4g Dry	10/28/19	15:00	DA
<i>The NYS DOH ELAP does not offer certification for this analyte.</i>				
(1) SM 2540 B-2011 Total Solids				
Total Solids @ 103-105 C	46 %	10/30/19		ARJ
<i>The NYS DOH ELAP does not offer certification for this analyte in this matrix.</i>				

Sample ID: Sodus WWTP **LSL Sample ID:** 1918077-002
Location: Finished Compost #5
Sampled: 10/28/19 9:30 **Sampled By:** Not Provided

Sample Matrix: SHW Dry Wt, Compost

Analytical Method	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result Units			
(1) EPA 1682(2014) Salmonella by MSRV				
Salmonella	<3 MPN/4g Dry	10/28/19	15:00	DA
<i>The NYS DOH ELAP does not offer certification for this analyte.</i>				
(1) SM 2540 B-2011 Total Solids				
Total Solids @ 103-105 C	60 %	10/30/19		ARJ
<i>The NYS DOH ELAP does not offer certification for this analyte in this matrix.</i>				

Sample ID: Sodus WWTP **LSL Sample ID:** 1918077-003
Location: Finished Compost #6
Sampled: 10/28/19 9:30 **Sampled By:** Not Provided

Sample Matrix: SHW Dry Wt, Compost

Analytical Method	Prep Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result Units			
(1) EPA 1682(2014) Salmonella by MSRV				
Salmonella	<3 MPN/4g Dry	10/28/19	15:00	DA
<i>The NYS DOH ELAP does not offer certification for this analyte.</i>				
(1) SM 2540 B-2011 Total Solids				
Total Solids @ 103-105 C	59 %	10/30/19		ARJ
<i>The NYS DOH ELAP does not offer certification for this analyte in this matrix.</i>				

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes

SECTION 8 – SAMPLE MANAGEMENT

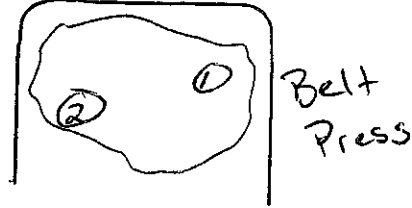
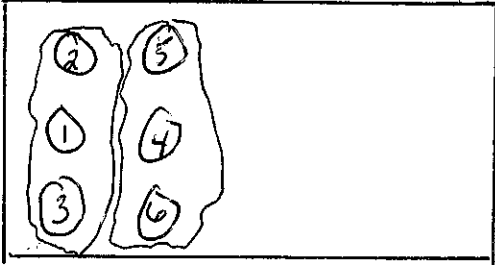
Describe the number, frequency and location of samples taken. Include a diagram showing all sampling locations.

1, 2, 3 - 5/6/19

BARN # 4, 5, 6 - 10/28/19

1 - 5/6/19

2 - 10/28/19



SECTION 9 – ATTACHMENTS

Please attach:

- Temperature monitoring and detention time data.
- Sample analyses laboratory reports.
- Any additional reporting requirements.

Do you have a variance to the Part 360 permit requirements? Yes No

If yes, please describe:

SECTION 10 – UNAUTHORIZED WASTE

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

Yes No

If yes, please explain.

SECTION 11 – PROBLEMS/COMPLAINTS

Describe any operational problems or complaints arising from the composting operation and include any methods used to remedy the situations. This should include odor complaints, marketing difficulties, major equipment failure, etc.

NONE THIS YEAR

Section 12 – QUESTIONS

Please identify any questions or concerns that you would like the Department to answer or consider:

NONE THIS YEAR

SECTION 13 - CERTIFICATION

The 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 Contacts.)

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

New York State Department of Environmental Conservation
Bureau of Waste Reduction and Recycling – Annual Report
625 Broadway – 9th Floor
Albany, New York 12233-7253

Phone: 518-402-8706

Fax 518-402-9024

Email address: organicrecycling@dec.ny.gov

Permit prior to November 2017:

I hereby affirm under penalty of perjury that information provided on this form and attached statements and exhibits was prepared by me or under my supervision and direction and is true to the best of my knowledge and belief, and that I have the authority to sign this report form pursuant to 6 NYCRR Part 360. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Permit Post November 2017:

I certify, under penalty of law, that the information that will be used to determine compliance with the requirements in Subpart 361-3 of 6 NYCRR Part 361 has been prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that false statement made herein are punishable pursuant to section 210.45 of the penal law.

Phillip J. Bachman
Signature

1/29/2020
Date

Phillip L. Bachman
Name (Print)

Chief Plant Operator
Title (Print)

Sodus.philb@gmail.com
Email (Print)

14-16 Mill St.
Address

Sodus
City

N.Y. 14551
State and Zip

(315) 359-8325
Phone Number

ATTACHMENTS: NO YES (IF YES, LIST ATTACHMENTS)

- LAB ANALYTICAL RESULTS
- COMPOST PILE LOG SHEETS
- _____

New York State Department of Environmental Conservation
Division of Materials Management
Bureau of Waste Reduction and Recycling

MATERIAL MANAGEMENT PROGRAM CONTACTS

CENTRAL OFFICE

Bureau of Waste Reduction and Recycling
625 Broadway
Albany, NY 12233-7253
Phone: (518) 402-8706

For Submission of Organics Recycling Annual Reports only:

Fax: (518) 402-9024

Email: organicrecycling@dec.ny.gov

REGIONAL OFFICE ADDRESS & LEAD CONTACT PERSON

REGION 1 (Nassau, Suffolk)

Syed Rahman/David Gibb
SUNY @ Stony Brook
50 Circle Road
Stony Brook, NY 11790
Phone: (631) 444-0375
SWMFannualreportR1@dec.ny.gov

REGION 2 (Bronx, Kings, New York, Queens, Richmond)

Joseph O'Connell
47-40 21st Street
Long Island City, NY 11101-5407
Phone: (718) 482-4896
SWMFannualreportR2@dec.ny.gov

REGION 3 (Dutchess, Orange, Putnam, Rockland, Sullivan, Ulster, Westchester)

James Lansing
21 South Putt Corners Road
New Paltz, NY 12561
Phone: (845) 256-3123
SWMFannualreportR3@dec.ny.gov

REGION 4 (Albany, Columbia, Delaware, Greene, Montgomery, Otsego, Rensselaer, Schenectady, Schoharie)

Victoria Schmitt
1130 North Westcott Road
Schenectady, NY 12306
Phone: (518) 357-2243
SWMFannualreportR4@dec.ny.gov

REGION 5 (Clinton, Essex, Franklin, Fulton, Hamilton, Saratoga, Warren, Washington)

Jessie Sangster
1115 State Route 86, PO.Box 296
Ray Brook, NY 12977
Phone: (518) 897-1266
SWMFannualreportR5@dec.ny.gov

REGION 6 (Herkimer, Jefferson, Lewis, Oneida, St. Lawrence)

Gary McCullough
317 Washington Street
Watertown, NY 13601
Phone: (315) 785-2513
SWMFannualreportR6@dec.ny.gov

REGION 7 (Broome, Cayuga, Chenango, Cortland, Madison, Onondaga, Oswego, Tioga, Tompkins)

Thomas Annal
615 Erie Boulevard West
Syracuse, NY 13204
Phone: (315) 426-7419
SWMFannualreportR7@dec.ny.gov

REGION 8 (Chemung, Genesee, Livingston, Monroe, Ontario, Orleans, Schuyler, Seneca, Steuben, Wayne, Yates)

Greg MacLean
6274 East Avon-Lima Road
Avon, NY 14414
Phone: (585) 226-5411
SWMFannualreportR8@dec.ny.gov

REGION 9 (Allegany, Cattaraugus, Chautauqua, Erie, Niagara, Wyoming)

Peter Grasso
270 Michigan Avenue
Buffalo, NY 14203
Phone: (716) 851-7220
SWMFannualreportR9@dec.ny.gov

December 2019