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



2019

REGISTERED OR PERMITTED FACILITY ANNUAL REPORT

COMPOSTING

(DO NOT USE THIS FORM FOR BIOSOLIDS COMPOSTING)

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 may be used for all composting facilities under section 361-3.2 of the Part 360 series except for biosolids composting. Biosolids composting requires the submission of a different annual report form. 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.

FACILITY NAME: Mohican Farm/Clark Foundation				
SW FACILITY ACTIVITY NUMBER(S): (Ex. 02P20099) 39-C-07 39 P26001				
COUNTY WHERE FACILITY IS LOCATED: Otsego				

DEC USE ONLY

Region:

SWIMS:

MATRIX:

Date Reviewed:

Reviewed By:

Data Entered:

COMPOST FACILITY ANNUAL REPORT SECTION 1 – FACILITY INFORMATION

RECEIVED

FEB 1 3 2020

REGION IV HEADQUARTERS
SCHENECTADY, NY 12386

	FACILITY INFORMATION			
FACILITY NAME:				
Mohican Farm/ Clark I	oundation			
FACILITY LOCATION ADDRESS:	FACILITY CITY:		STATE:	ZIP CODE:
7195 State Highway 80	Cooperstown		NY	13326
FACILITY TOWN:	FACILITY COUNTY:	FACII	ITY PHON	NE NUMBER:
Springfield	Otsego 607-437-2585			
NYSDEC REGION #: Region 4				
FACILITY CONTACT:	CONTACT PHONE NUMBER:			
Devin Merkley	315-269-0943			
CONTACT EMAIL ADDRESS: devme	erkley@gmail.con	n		
	OWNER INFORMATION			
owner name: Clark Foundation	OWNER PHONE NUMBER: 607-547-2563			
OWNER ADDRESS: 19 Main Street PO Box 510	OWNER CITY: Cooperstown		STATE: NY	ZIP CODE: 13326
owner contact: Robert Sutherland	owner contact email at rtsutherland.mohi		n@gm	ail.com
	OPERATOR INFORMATION			
Same as owner Devin Merk	ley			
	PREFERENCES			
Preferred address to receive correspondent Other (provide):	ce: Facility location address	Oo	wner addre ss	
Preferred email address: Facility Contact	Owner Contact			
Other (provide):				
	nce: Facility Contact)Owner	Owne	r Contact

SECTION 2 – QUANTITY OF MATERIAL RECEIVED

Please report quantities received from <u>January 01, 2019</u> to <u>December 31, 2019</u>

	Inputs	Quantity	Unit	Source(s)
	Leaves only		Cubic Yards	
/ASTE	Grass Clippings		Cubic Yards	
YARD WASTE	Mixture of Grass and Leaves	100	Cubic Yards	Mohican Farm (onsite)
	Brush (Small branches and limbs, <4 inch diameter)		Choose Units	
0	Source Separated Organics (Food scraps, soiled paper products, etc.)		Choose Units	
SSO	Food Processing Waste (brewery grains, grape pomace, etc.)	125	Tons	Otesaga Hotel/Thanksgiving Home
	Crop Residues (Corn stalks, etc.)		Choose Units	
	Manure (including bedding)		Choose Units	
	Sawdust/Shavings		Choose Units	
OTHER	Animal Carcasses (road-kill, animal mortalities)		Choose Units	
	Paper Mill Residuals		Choose Units	
	Digestate		Choose Units	
	Other:		Choose Units	
TN	Woodchips	250	Cubic Yards	Local Tree Services
BULKING AGENT	Sawdust		Choose Units	
BULKII	Other:		Choose Units	

SECTION 3 – COMPOST PRODUCTION

WHAT IS THE PROCESS DETENTION TIME? Note: Total time material is processed, not Including storage time	180	days
COMPOST PRODUCED DURING THE YEAR:	391	cubic yards <i>or</i> tons
COMPOST DISTRIBUTED DURING THE YEAR:	125	cubic yards or tons
QUANTITY CURRENTLY STOCKPILED: Note: Finished product stockpiled	164	cubic yards <i>or</i> tons
AGE OF OLDEST PRODUCT ON SITE:	24	months

SECTION 4 – COMPOST DISTRIBUTION

Quantity Distributed (cubic yards)	Use of Compost (landscaping, agriculture, highway, onsite, bagged, etc.)
20	Tree Care companies (trade for chips)
25	Local Garden Clubs Schools
80	Clark Foundation projects backfills, plantings, ETC

If PERMITTED SSO composting facility, continue to Section #5 SSO – Source Separated Organics

ALL OTHER COMPOSTING FACILITIES, continue to Section #9

SECTION 5 – PATHOGEN AND VECTOR ATTRACTION REDUCTION

For permitted SSO composting facilities only. 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	
SOUR	
Aerobic Process 14 days, ≥400	c, ≥45 C avg.

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.



Agricultural Analytical Services Laboratory The Pennsylvania State University 111 Ag Analytical Svcs Lab University Park, PA 16802

(814) 863-0841 aaslab@psu.edu www.aasl.psu.edu

Analysis F	Report For:			Сору То:		
Clark Foundation 19 Main St; PO Box 510 Cooperstown NY 13326		Devin Merkley 7195 St Hwy 80 Coopertown NY 13326				
LAB ID:	SAMPLE ID:	REPORT DATE:	SAMPLE TYPE:	FEEDSTOCKS	COMPOSTING METHOD	COUNTY
C12162	Mohican Farm	01/24/2020	Finished Compost		Static Pile-Forced aeration	

COMPOST ANALYSIS REPORT

Compost Test 1C

Analyte	Results (As is basis)	Results (Dry weight basis)	
	7.3		
uble Salts (1:5 w:w)	0.90 mmhos/cm		
ids	48.5 %	- Indiana	
isture	51.5 %		
anic Matter	22.0 %	45.5 %	
al Nitrogen (N)	1.14 %	2.35 %	
anic Nitrogen ¹	1.14 %	2.35 %	
monium N (NH ₄ -N)	3.6 mg/kg	$\frac{7.3}{or}$ mg/kg	
	0.0004 %	0.0007 %	
bon (C)	12.3 %	25.4 %	
bon:Nitrogen (C:N) Ratio	10.80	10.80	
sphorus (as P ₂ O ₅) ²	0.970 %	2.000 %	
assium (as K ₂ O) ²	0.21 %	0.44 %	
cium (Ca)	2.53 %	5.21 %	
gnesium (Mg)	0.17 %	0.35 %	
fur (S)	0.13 %	0.27 %	
lium (Na)	512 mg/kg	1056 mg/kg	
minum (Al)	2813.38 mg/kg	5803.40 mg/kg	
ı (Fe)	5744.89 mg/kg	11850.48 mg/kg	
nganese (Mn)	255.31 mg/kg	526.65 mg/kg	
oper (Cu)	12.37 mg/kg	25.53 mg/kg	
c (Zn)	71.18 mg/kg	146.84 mg/kg	
minum (Al) n (Fe) nganese (Mn) oper (Cu)	2813.38 mg/kg 5744.89 mg/kg 255.31 mg/kg 12.37 mg/kg	5803.40 mg/kg 11850.48 mg/kg 526.65 mg/kg 25.53 mg/kg	

¹See comments on back of report.

²To convert phosphorus as P₂O₅ into elemental phosphorus (P), divide by 2.29. To convert potassium (as K₂O) into elemental potassium (K), divide by 1.20.

SECTION 6 - FINISHED COMPOST ANALYSIS

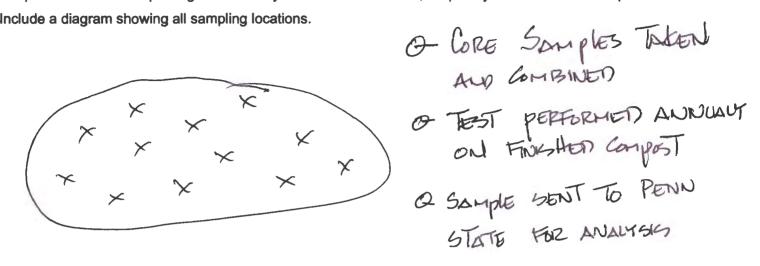
For permitted SSOW composting facilities only. Please attach sampling analyses and laboratory reports as required under Part 360 or your permit. Copies of original laboratory results must be attached. All results, except pH and Total Solids, must be on a dry weight basis. See 361-3.9 Table 6 for pollutant limits and Table 5 for annual product testing frequency 361-3.9 Table 5.

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

Analysis Date ====>	Max. Conc. (mg/kg)
Arsenic (mg/kg)	41
Cadmium (mg/kg)	10
Chromium (mg/kg)	1,000
Copper (mg/kg)	1,500
Lead (mg/kg)	300
Mercury (mg/kg)	10
Molybdenum (mg/kg)	40
Nickel (mg/kg)	200
Selenium (mg/kg)	100
Zinc (mg/kg)	2,500
TKN (mg/kg)	
Ammonia Nitrogen (mg/kg)	
Nitrate (mg/kg)	
Total Phosphorus (mg/kg)	
Total Potassium (mg/kg)	
pH (s.u.)	
Total Solids(%)	
Total Volatile Solids (%)	
Fecal Coliform (MPN/g)	<1,000 MPN/g
Salmonella (MPN/4g)	<3MPN/4g
Other see attached Analysis	

SECTION 7 -SAMPLE MANAGEMENT PLAN

For permitted SSO composting facilities only. Describe the number, frequency and location of samples taken. Include a diagram showing all sampling locations.



SECTION 8 – ATTACHMENTS (IF REQUIRED)

Permitted SSO composting facilities, 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 9 – UNAUTHORIZED WASTE

Has unauthorized solid waste been received at the composting facility during the reporting period? Yes No
If yes, give information below for each incident (attach additional sheets if necessary):
SECTION 10 - PROBLEMS/COMPLAINTS
Describe any operational problems or neighbor 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.
SECTION 11 - QUESTIONS
Please identify any questions or concerns that you would like the Department to answer or consider:

SECTION 12 - FOOD DONATION & FOOD SCRAPS RECYCLING LAW

If you are registered or permitted to compost food scraps please complete the following. For all other operations that are interested in processing food scraps, please contact your DEC regional office to determine what is required.

In 2019, New York State passed the Food Donation & Food Scraps Recycling law. Effective January 1, 2022, large generators of food scraps (defined as generating an annual average of two tons per week or more) must donate excess food and recycle all remaining food scraps if they are within 25 miles of an organics recycler (composting facility, anaerobic digester, etc.). Examples of large generators include: large restaurants, grocery stores, hotels, colleges, etc. For more information visit: https://www.dec.ny.gov/chemical/114499.html

Contact Information

Under this legislation, DEC is responsible for providing a list of organics recyclers (compost facilities, anaerobic digesters, etc.) to large generators so they can determine available food scraps recycling opportunities in their area.

You will be included in this listing if you hold a permit or registration for the composting of source separated organics or food scraps. This will educate both large generators and haulers of food scraps that you are an available composter in their area.

Please provide the following information to include in the listing.		
Name of Business:		
Business Phone Number:		
Business Email:		
Business Website:		
I would like to opt out of DEC listing my facility as an available food scraps recycle it relates to the Food Donation and Food Scraps Recycling law.	for large generators a	IS
Assessing Your Food Scraps Recycling Capacity		
DEC is responsible for assessing available food scraps recycling capacity across New from your operation will help us do this. Please complete the following section to calculate excess food scraps your operation will have the capability to process in 2022 . Please (wet tons or cubic yards).	late the amount of	
A. Amount of foods scraps projected to be processed in 2020 : 125-150	Tons	-
B. Amount of foods scraps projected to be processed in 2022: 125-150	Tons	
* Note: You will not be required to process this quantity of material, these estimates w DEC in capacity planning across the state in preparation for the Food Donation and F law effective January 1, 2022.		st
Questions?	DEC USE ONLY	
	Excess Capacity:	

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:

NYS 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

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.

Deven R. Markley	2/6/2020
Signature	Date
Devin Merkley	Compost Manager
Name (Print)	Title (Print)
devmerkley@gmail.d	com
Er	nail (Print)
7195 State Highway 80	Cooperstown
Address	City
New York 13326	(315,269_0943
State and Zip	Phone Number

ATTACHMENTS: ONO YES (IF YES, LIST ATTACHMENTS)
Penn State Compost Analysis
Compost Record Sheets

Mohican Farm Compost Data Sheet

JANUARY 2019

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Compost Data Sneet

Mohican Farm Compost Data Sheet

2019

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Mohican Farm Compost Data Sheet

APRIL 2019

Month/Year 2/29 3/22 3/4

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Mohican Farm Compost Data Sheet

May 19 Month/Year 5/14

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Mohican Farm Compost Data Sheet

30.

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Mohican Farm

August 2019
Monthylear
Closest **Compost Data Sheet**

Date	8. 32 S-1	8-13 S-2	8.19 S-3	8.72 5-4	8-26 N1	8.21 N2	8.12 N3	8/L N4
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22	136	178	150	136	想多	160	148	130
23	124.	122	144	132		152	136	130
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September 1014
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THE CLARK FOUNDATION Mohican Farm

Mohican Farm Compost Data Sheet

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Month/Year

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