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ENVIRONMENTAL CONSERVATION
REGION 9

Attachment A

Operational Requirements Plan Trav-Co Farms Storage Tank

Operational Requirements Plan

GENERAL INFORMATION

1. Name, Address and Phone Number

a. Sustainable BioVolt, LLC
7624 Riverview Road
Cleveland, Ohio 44141
Bruce Bailey
Project Manager
216.986.9999 ext. 116

Storage Tank Facility Location
2095 Eastwood Road
East Aurora, New York 14052
Stan Travis
Owner
716.652.4542

2. Operational Days & Hours

<u>DAYS</u>	<u>HOURS</u>
Monday	8am – 5pm
Tuesday	8am – 5pm
Wednesday	8am – 5pm
Thursday	8am – 5pm
Friday	8am – 5pm

3. Anticipated Daily Traffic Flow

3-4 semi-truck loads a day. 250 days a year.

4. General Sampling Protocol for Facility

- a. Sampling of Effluent and Feedstock
- i. Change the effluent/feedstock valve to OPEN (Green on Control panel).
 - ii. Turn on recirculation pump and allow to run for 5 minutes.
 - iii. Discharge at least 2 gallons of effluent/feedstock from sampling pipe to remove any residual effluent/feedstock
 - iv. Obtain a sample bottle which can contain at least 100 ml of sample, and label with the facility, sample name and the date the sample was taken. (Example: Zanesville Effluent 01/01/2012).
 - v. Fill sample bottle to a **maximum of ¾** of the container
 - vi. Samples collected must be stored in fridge prior to shipping/pick-up.
 - vii. Samples should be sent off to lab using overnight services (call lab for FedEx shipping instructions) in cooler box with ice-pack or ice-bottles and Chain of Custody (COC) filled out

5. Closure.

Sustainable BioVolt, LLC will, upon termination of use, properly close that facility and must monitor and maintain such closure so as to minimize the need for further maintenance or corrective actions and to prevent or remedy adverse environmental or health impacts such as, but not limited to, contravention of surface water and groundwater quality standards, gas migration, odors and vectors. Termination of use includes those situations where a facility has not received solid waste for more than one year, unless otherwise provided by permit, or if the permit has expired.

OPERATIONAL REQUIRMENTS

1. Water

Solid waste will be deposited in a way that will be prevented from entering surface waters or ground waters. The facility will be constructed, operated and closed in a manner that minimizes the generation of leachate that must be disposed of and prevent the migration of leachate into surface and ground waters.

2. Public access.

Public access to the facility and receipt of solid waste may occur only when an attendant is on duty.

3. Control of access.

Access to and use of the facility must be strictly and continuously controlled by fencing, gates, signs, natural barriers or other suitable means.

4. Control program for unauthorized waste

The Facility will be operated by Sustainable BioVolt, LLC personnel. Only Pre-approved materials from approved sources and within established operation ranges detailed in "Biosolids Acceptance Protocol" are accepted at this facility. No hazardous waste is accepted at this facility.

a. Biosolids Acceptance Protocol

The facility operates under a protocol for biosolids acceptance with limits for various pollutants, requirements for pre-approval, and mandates for records and manifests.

5. Maintenance and operation.

Routine maintenance of the facility will be by Sustainable BioVolt personnel. Should non-routine expertise beyond Sustainable BioVolt ability be required, appropriate contractors will be secured, as needed, to properly maintain the facility.

a. Grounds: Grass cover will be maintained on the site. Bare spots on the site will be re-seeded with tall fescue or specification grass seed. The grounds, including the around the storage tank, will be mowed as needed. Maintain cleanliness and pick-up trash/debris periodically.

b. Fencing: Visually inspect fencing periodically and ensure gate locks are functioning.

6. Contingency plan.

This section presents the Contingency Plan that will be implements during operation of the facility for responding to unexpected events. The following are addressed:

- Personal injury
- Explosions
- Fires
- Spills

Personal Injury

Personnel working in and around the Facility are responsible for their own safety as well as the safety of those around them. Only those personnel trained in the use of the Facility equipment

and machinery shall be allowed in and around the Facility equipment and machinery. Personnel shall use equipment in a safe and responsible manner.

Visitors will report to the main office and sign the visitor log. Visitors must accompany qualified Sustainable BioVolt personnel to/within the Facility unless otherwise authorized by Sustainable BioVolt personnel.

Personnel will visually inspect the Facility and associated materials and equipment while they are working in and around the Facility to detect unsafe conditions early so that they can be corrected as soon as possible.

Personnel working in and around the Facility equipment during normal operations shall be required to use hearing protection with a Noise Reduction Rating (NRR) of at least 20 when noise levels exceed 85 dBA. Hearing protection (earplugs/muff) will be available to personnel and visitors that would require entry in these areas.

When any maintenance work is performed on energized equipment, such as blowers, personnel will follow appropriate Lockout/Tagout procedures prior to performing maintenance.

Process and Controls

Methane detectors are present in the Facility. Sensors are set to alarm at 10% of the lower explosive limit (LEL). In the event of an explosion during operation of the facility, personnel will immediately clear the area, and the local fire department will immediately be notified.

Fires

The Facility is equipped with smoke detectors and alarms, in the event that a fire is detected during operation of the Facility, personnel will immediately clear the area, and the local fire department will immediately be notified.

Spills

In the unlikely event of a spill during transportation to or within the Facility, Sustainable BioVolt personnel will take the following immediate actions:

Halt the Source of the Spill

Contain Spill - As appropriate, use straw bales to form a barrier.

Cleanup – Employ vacuum truck cleaning up large quantities of sludge.

Final Cleanup – As appropriate, flush roadways with water immediately after sludge is removed from the spill site, or sweep as necessary to clean. In the event a spill occurs on private property, the owner will be contacted immediately, and final cleanup will be completed to the satisfaction of the owner.

Management of Cleanup Efforts – Sustainable BioVolt personnel shall take immediate charge and initiate cleanup activities. Labor shall be secured as needed. Sustainable BioVolt personnel shall also be on hand to communicate with the public or media on the scene, answering questions and advising of cleanup activities.

Notification – Dispatch Manager to notify Operations Managers with exact location, time or occurrence, and conditions of spill

IMMEDIATE NOTIFICATION will be given by Operations in the following order:

1. NYSDEC District Office or Emergency Spill Number
2. Dispatch to notify Resource and Materials (R&M) Manager about spill and needed equipment for cleanup.
3. R&M Manager to notify Managers if vacuum truck and/or personnel assistance is required.
4. Dispatch to obtain necessary information about spill such as police report and to follow-up as necessary to bill other parties for insurance claims.

Spill Prevention – Sustainable BioVolt shall take the following steps:

- Ensure truck drivers / press operator watch dump truck while loading at Facility
- Ensure the tailgate seals are in place on dump trucks. If not, they will be replaced or repaired as necessary
- Inspect trucks daily and replace or repair as necessary.
- Ensure tarps are in place while transporting.
- Ensure unloading operations in the field are conducted so as to minimize any spillage.

7. Monitoring samples and results.

Samples and measurements taken for the purpose of monitoring will be representative of the monitored activity and must be conducted in a manner approved by the department, including the use of a laboratory and data-reporting format acceptable to the department.

8. Recordkeeping.

- a. The facility owner or operator must retain records of all unauthorized solid waste accepted identifying the waste and its final disposition. Such records must be summarized in the annual report. They must include the date solid waste was received, the type of solid waste received, the date of disposal, the disposal method and location.
- b. The facility owner or operator must record self-inspections in an inspection log. These records must be retained for at least seven years from the date of inspection.
- c. Records pertaining to the operation and monitoring information of the solid waste facility will be kept for a period of no less than seven years from the date they are made or are required to be made, whichever is later.
- d. Records will be made available to the department at its request.

9. Confinement of solid waste.

Blowing litter will be confined to solid waste holding and operating areas by fencing or other suitable means.

10. Dust control.

Dust will be effectively controlled so that it does not constitute a nuisance or hazard to health, safety, or property.

11. Vector control.

The facility must be maintained so as to prevent or control on-site populations of vectors using techniques appropriate for protection of human health and the environment and prevent the facility from being a vector breeding area.

12. Odor control.

Odors will be effectively controlled so that they do not constitute nuisances or hazards to health, safety or property. Biosolids will be loaded into a below grade receiving hopper for odor control

13. On-site roads.

On-site roads and other throughways must be passable and safe at all times. Speeds of incoming and outgoing vehicles will be limited to 10 mph.

14. Noise levels.

Noise levels resulting from equipment or operations at the facility will be controlled to prevent transmission of sound levels beyond the property line at locations zoned or otherwise authorized for residential purposes to exceed the following Leq energy equivalent sound levels:

Character of Community	Leq Energy Equivalent Sound Levels	
	7 a.m.-10 p.m.	10 p.m.-7 a.m.
Rural	57 decibels (A)	47 decibels (A)
Suburban	62 decibels (A)	52 decibels (A)
Urban	67 decibels (A)	57 decibels (A)

The following measures will be implemented to mitigate potential adverse noise impacts:

- Operation activities will be limited to daytime hours
- All vehicles will be equipped with mufflers
- Speeds of incoming and outgoing vehicles will be limited to 10mph

The closest residence nearby is approximately 750 feet to the southeast. Wooded areas surround most of the Facility (west, north and east).

15. Open burning.

No open burning will take place at the facility.

16. Emergency numbers.

Telephone numbers to emergency response agencies such as the local police department, fire department, ambulance and hospital must be conspicuously posted in all areas where telephones are available for use at the facility.

17. Facilities.

Where operating personnel are required, certain facilities must be provided (except in the case of composting facilities using aerated static pile or windrow techniques and land application facilities). These facilities include adequately heated and lighted shelters, a safe drinking water supply, sanitary toilet facilities and radio or telephone communication.

18. Facility operator requirements.

Facility operator will have available for use, a copy of the permit issued pursuant to this Part, including conditions, a copy of the operation and maintenance report, the contingency plan and the most recent annual report.

Solid waste management facilities, as directed by the department, must be conducted under the direction of a facility operator. The facility operator must attend and successfully complete within 12 months from their date of employment, a course of instruction in solid waste management procedures relevant to the facility at which the facility operator is employed. The course must be provided or approved by the department. The department will issue a certificate of attendance to each individual successfully completing the course. Attendance at a department-approved course before the effective date of this Part will adequately satisfy these training requirements.