

Attachment A
MILLEVILLE FARMS
360 Permit

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NOV 27 2012

ENVIRONMENTAL CONSERVATION
REGION 9



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID WASTE

APPLICATION FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT

Please read all instructions before completing this application

Please TYPE or PRINT clearly

DEPARTMENT USE ONLY
DEC APPLICATION NUMBER
FACILITY CODE

1. TYPE OF APPLICATION (Check All Applicable Boxes): <input checked="" type="checkbox"/> Permit to Construct <input checked="" type="checkbox"/> Initial (New) <input type="checkbox"/> Renewal <input checked="" type="checkbox"/> Permit to Operate <input type="checkbox"/> Subsequent Stage (New) <input type="checkbox"/> Modification		2. APPLICANT IS THE: <input checked="" type="checkbox"/> Facility Owner <input type="checkbox"/> Facility Operator	
3. FACILITY OWNER'S NAME Sustainable Bioelectric		4. FACILITY OPERATOR'S NAME Milleville Bros. Farms	
5. ENGINEER'S NAME AND P.E. LICENSE NO. Alan Johnson - P.E.090702		Firm Name quasar energy group, LLC	
Address 7624 Riverview Road		Address 2598 Saunders Settlement	
City Cleveland		City Sanborn	
State/Zip Code Ohio / 44141		State/Zip Code NY, 14132	
Telephone Number (216) 986-9999		Telephone Number (716) 731-3971	
6 FACILITY NAME AND LOCATION (Attach USGS Topo Map showing exact location) Name Milleville Brothers Farms		7. SITE OWNER'S NAME Milleville Brothers Farms	
Street 6075 Aiken Road		Address 2598 Saunders Settlement	
City, State, Zip Code Lockport, NY 14094		City Sanborn	
Town Lockport		State/Zip Code NY, 14132	
County Niagara		Telephone (716) 731-3917	
Coordinates NYTM-E -78 28'6" NYTM-N 72 49' 23"			
8. TYPE OF FACILITY (Check all applicable boxes) <input type="checkbox"/> Landfill (Specify category) _____ <input type="checkbox"/> Research, Development and Demonstration <input checked="" type="checkbox"/> Land Application <input type="checkbox"/> Transfer Station <input type="checkbox"/> Solid Waste Incineration <input type="checkbox"/> Medical Waste <input type="checkbox"/> Refuse Derived Fuel Processing <input type="checkbox"/> Waste Tire Storage <input type="checkbox"/> Composting <input type="checkbox"/> Landfill Gas Recovery <input type="checkbox"/> Recyclables Handling and Recovery <input type="checkbox"/> Waste Oil <input type="checkbox"/> Other (Describe) _____		9. IS APPLICATION BEING FILED BY OR ON BEHALF OF A MUNICIPALITY? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, name. _____ \$ _____	
		11. NAME(S) OF ALL MUNICIPALITIES SERVED _____ _____ _____	
12. SOLID WASTE HANDLED a. List wastes to be accepted <u>manure, organic solids, food wastes, oil and grease</u> b. Quantity (Specify Units) Existing "approved design capacity" <u>N/A</u> Proposed "approved design capacity" <u>N/A</u>		13. PROVIDE THE FOLLOWING INFORMATION WHERE APPLICABLE a. Facility area proposed in the application <u>566.2</u> acres b. Facility area ultimately planned <u>615.1</u> acres c. Ultimate facility height above existing ground level <u>0</u> feet d. Total site area <u>678.4</u> acres e. Existing structures on this site and adjacent properties <u>0</u> acres	
14. IS A VARIANCE REQUESTED FROM ANY PROVISION OF 6 NYCRR PART 360? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, cite the specific provision(s)			
15. CERTIFICATION: 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 or am authorized as _____ (Entity) to sign this application 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.			
11/24/12 _____ Date		 _____ Alan Johnson Print Name	

Instructions for the Completion of an
APPLICATION FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT



GENERAL

This application form is prescribed by the New York State Department of Environmental Conservation (DEC) for solid waste management facilities pursuant to the requirements of 6 NYCRR Parts 360 and 621. In order to be determined complete, the application must satisfy the requirements established in Part 621 and the plans, reports, and other supporting information required by Part 360. See 6 NYCRR 621.3 and 621.4(m), and 6 NYCRR 360-1.8 and 360-1.9. Make every effort to enter the information requested in the spaces provided on this form, but **attach additional sheets where space prohibits full and complete answers**. For the purposes of this form, the term "facility" shall mean "solid waste management facility".

Submit all application materials to the Regional Permit Administrator for the DEC region in which the facility is, or is proposed to be, located. See Part 621, Appendix 1. Note: The applicant retains his/her copy of the application form.

ITEM NUMBER

- 1 Check all boxes that pertain to the type of permit sought.
For information pertaining to a permit to construct, see 360-1.8(d)(1) and 360-1.10(a).
For information pertaining to a permit to operate, see 360-1.8(d)(2) and 360-1.10(b).
An initial permit is the first permit the owner or operator receives for the facility. See 360-1.8(d) and 360-1.9(a).
A subsequent stage permit applies at a facility which was previously approved to be constructed in stages in the initial application process. See 360-1.8(d) and 621.4(m)(2)(iv).
A permit renewal is used when intending to construct or operate beyond the permit period currently in force. See 360-1.8(f), 360-1.9(d), 621.1(s), and 621.13.
A permit modification is used for any change or amendment whatsoever to a permit currently in force. See 360-1.8(e), 360-1.9(c), 621.1(m), and 621.13.
- 2 Check the box that describes the applicant's affiliation with the facility. The applicant must be either the owner of the facility or the entity or person responsible for the overall operation of the facility. See 6 NYCRR 360-1.2(b)(7).
- 3 Identify the entity or person who owns the facility. See the definition of "person", 360-1.2(b)(108).
- 4 Identify the entity or person responsible for the overall management and operation of the facility.
- 5 Identify the individual licensed to practice engineering in the State of New York who is responsible for the design of the facility, and the preparation and certification of any supporting information required to be submitted with this application. Include the name of the firm which employs the engineer, where applicable. See 360-1.9(e) and 621.3(a)(1).
- 6 Enter the name and address of the facility. Attach a United States Geological Survey Topographic Map, or a copy of one, showing the exact location of the facility. For landfills, include the New York transverse mercator coordinates of the facility. See 360-2.13(c).
- 7 Identify the entity or person who owns the site on which the facility is situated, or who will own the site on which the proposed facility will be situated. See 360-1.2(b)(141).
- 8 Check the box that most closely describes the facility that is the subject of this application. For combination facilities, see 360-1.9(b)(2) and check all applicable boxes.
For landfills, the categories are:
"Mixed solid waste", see 360-1.2(a)(1), 360-1.2(b)(95) and 360-2.
"Industrial waste", see 360-1.2(b)(80) and 360-2.14.
"Construction and Demolition Debris", see 360-1.2(b)(33) and 360-7.
"Ash Residue Monofill", see 360-2.14 and 360-3.5(g).
"Long Island Landfill", see 360-2 and 360-8.
"Long Island Clean Fill Landfill", see 360-8.6.
For Research, Development and Demonstration permits, and for "other", see 360-1.13 and 360-1.9(b), respectively.
- 9 If this application is being submitted by or on behalf of a municipality, enter the name of the municipality. See 360-1.2(b)(97), and 360-1.9(f).
- 10 Enter the amount of the application fee enclosed (check, money order or government voucher made payable to the Department of Environmental Conservation). See 621.3(b) and 621.4(m)(3).
- 11 Enter the name of all municipalities in the existing and/or proposed service area of the facility. See 360-1.2(b)(139), and 360-1.9(e)(4)(i).
- 12a Enter the specific wastes to be accepted at the facility.
- 12b If applying for a permit renewal or modification, enter the existing "approved design capacity" from the permit currently in force. For initial permit and permit modification applications, enter the proposed "approved design capacity." See 360-1.2(b)(8). Generally, the units must be expressed in tons-per-day, except that waste oil must be gallons, landfill gas must be cubic feet per day, waste tires must be number of tires, and land application and composting must be dry tons per day.
- 13a Enter the area proposed to be occupied by the facility, **not** including access roads, appurtenances, and land buffer areas.
- 13b For facilities that are to be developed in stages, enter the total facility area that is ultimately proposed, inclusive of all stages.
- 13c Enter the height of the highest point of the proposed facility as measured from existing ground level.
- 13d Enter the area of the contiguous property on which the facility is situated, **including** the area of the facility, access roads, appurtenances, land buffer and unused areas. See 360-1.2(b)(141).
- 13e For construction and demolition debris landfills, enter the existing landfill area on the site and on adjacent properties that were subdivided from this site within the previous five years. See 360-7.1(c).
- 14 Identify all the provisions of Part 360 from which variance is sought. The variance request must satisfy the requirements of 360-1.7(c) and 621.3(a)(5). Attach documentation as necessary. A variance request that is submitted on behalf of a facility with a permit currently in force must be submitted as an application for permit modification.
- 15 The certification block must be completed by the applicant. See 360-1.9(i) and 621.3(a)(2).

360

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number

2. Page 1 of

3. Emergency Response Phone

4. Waste Tracking Number

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

SLM G.T.S

Generator's Phone:

6. Transporter 1 Company Name

Rite-Way Industrial Service, Inc.

U.S. EPA ID Number

OHR00101105

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address:

Quasar
6400 Maysville Pike, Zanesville, OH 43701
1-216-407-6174

U.S. EPA ID Number

Facility's Phone:

9. Waste Shipping Name and Description

10. Containers

11. Total Quantity

12. Unit Wt./Vol.

No.

Type

1. CHIPOTLE 0020
154 HUTCHINSON AVE Cos, OH

001

VT

300

6AL

2. CHIPOTLE 0470
6695 OWENFIELD DR, POWELL, OH.

002

VT

300

6AL

3.

4.

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name

Laura Plants

Signature

LA

Month Day Year

15. International Shipments

Import to U.S.

Export from U.S.

Port of entry/exit:

Date leaving U.S.

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name

AMES BLAIR

Signature

AMES BLAIR

Month Day Year

11 21 12

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space

Quantity

Type

Residue

Partial Rejection

Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)

U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)

Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name

Signature

LOWE

Month Day Year

Attachment B
Sludge Management Plan



**BUFFALO BIOENERGY, LLC.
ANAEROBIC DIDESTION FACILITY
SLUDGE MANAGEMENT PLAN FOR
NIAGARA BIOENERGY
NOVEMBER 2012**

RECEIVED
N.Y.S. DEPT. OF

NOV 27 2012

ENVIRONMENTAL CONSERVATION
REGION 9

I. GENERAL INFORMATION

A. NAME, ADDRESS, AND PHONE NUMBER

1. Niagara BioEnergy, LLC
7624 Riverview Road
Cleveland, Ohio 44141
Bruce Bailey
Project Manager
216.986.9999 ext. 116

Digester Facility Location
2150 Liberty Drive
Wheatfield, New York

Land Application Sites:
Milleville Farms, various Towns

II. SOLIDS INFORMATION

This anaerobic digestion facility (ADF) is a merchant facility and will accept and process biosolids (sewage sludge), manure, foodwastes, FOG (fats, oil, & grease), energy crops, i.e., corn silage, and other organic feedstocks. This is a high solids, continuous flow, and complete mix anaerobic digester.

A. MANURE

A number of farms and/or livestock based events in the regional produce manures which may be directed to this facility. Due to the organic basis of manure it will contain volatile solids and anaerobic digestion will convert the volatile solids to biogas while stabilizing the manure.

B. FOODWASTE

Food processors in the region produce foodwastes which may be directed to this facility. Foodwaste will be accepted in liquid, semi-solids, and solid forms. Due to the organic basis of foodwaste it will contain volatile solids and anaerobic digestion will convert the volatile solids to biogas while stabilizing the foodwaste.

C. FOG/BIO-BASED LUBRICANTS

FOG/Bio-Based Lubricants represents a particular challenge to collection system operators in municipalities. As such a number have restricted acceptance of FOG/Bio-Based Lubricants. This facility will accept FOG/Bio-Based Lubricants because it produces a large volume of biogas when anaerobically digested and is difficult to dispose of through other methods.

quasar energy group
7624 Riverview Road
Cleveland, OH 44141

(216) 986-9999
www.quasarenergygroup.com

D. ENERGY CROPS

Energy crops are grown for anaerobic digestion to produce biogas as a standard practice Europe. We anticipate that such a practice will occur within the expected lifetime of this ADF. Production of Energy Crops with a return of the digested product to farm fields forms a closed loop for beneficial use and the production of renewable green energy. Also included in this category are off-spec or damage agricultural products such as grain, hay, silage, spilled/soiled feed, stover, etc.

G. GLYCERIN, STILLAGE, & OTHER BIOGAS PRODUCING BY-PRODUCTS

Bio-Based fuels are quickly gaining a foothold in the US. In the case of biodiesel glycerin is a by-product. There is a market for a certain volume of this by-product in the cosmetics industry. As more and more biodiesel is produced a market glut occurs. In the western US it is already standard practice to add glycerin to boost biogas production. Glycerin is an excellent source of biogas when anaerobically digested.

Ethanol is the distillation of alcohol from grain. In the US ethanol is primarily produced from corn (*Zea mays*). Alcohol is produced from the starchy endocarp and the remaining distillers' grain (known as stillage) is usually dried to become DDGS (Distillers' Dried Grain with Solubles). As with glycerin, there is a finite market for DDGS. Stillage, the wet, as produced, form of ethanol by-products is an excellent source of biogas when anaerobically digested.

Organic, high energy materials such as glycerin and stillage will be accepted for anaerobic digestion at this facility.

III. SOLIDS MANAGEMENT

Incoming liquid and cake feedstocks are combined into a slurry for feeding the digester through mixing and grinding pumps in the feedstock homogenization tank. Regular feeding occurs from this tank to the digester.

A. TANKAGE

The initial facility consists of a 750,000 gallon complete mix anaerobic digester and a 230,000 gallon feedstock receiving tank. Based on the designed inflow of up to 5,000 DT/year this volume of digester tankage will result in a 20 to 30 day hydraulic retention time. The 230,000 gallon mixing/contact basin (feedstock receiving tank) for homogenization of cake sludge to acceptable percent solids for introduction into the digesters.

B. PSRP/PFRP

The digested biosolids for direct land application purposes will meet PSRP Class B VAR through anaerobic digestion with a minimum volatile solids reduction of 38%.

The digested biosolids may be further processed to PFRP Class A through time/temperature regime.

C. DEWATERING INFORMATION

The digested, semi-liquid biosolids may be dewatered or thickened using a vibratory screen and screw press equipment (or other). This equipment will be dedicated for dewatering the digested solids along with a separate conveyance system so as not to contaminate the solids. The dewatered solids cake should range between 25 and 33% dry solids. Filtrate from dewatering that is not recycled to the digestion process may be 1) further treated through a Clean Water process involving RO and/or MBR and recycled or reused under separate permits; or 2) it will be land applied for agronomic value. Initially the management option will be land application.

D. CLASSIFICATION OF SOLIDS

When land application of liquid or solid biosolids or liquid filtrate/centrate is selected, the material will be Class B anaerobically digested.

When PFRP liquid or solid biosolids are generated the product will go off site to area market usage such as soil blending or mulch manufacture.

If for any reason any one of these parameters is not met in the ADS process the effected material will be recycled back through the process until such material meets all the Class B requirements. If the material still fails to obtain the requirements it will be considered for disposal in the landfill.

Biosolids will be hauled in sealed tanker or dump trucks with tarps for liquid and cake solids, respectively.

IV. TREATMENT ALTERNATIVES

A. ANAEROBIC DIGESTION

The anaerobic digestion process at this facility will be a high solids digestion process that will have an annual capacity of 5,000 dry tons or 11,000,000 gallons and will compliment an off-site soil blending process. A combination of solids cake and liquid sludge producing feed solids of approximately 10 to 15% will be continuously fed into a complete mix digester. The solids will be gently mixed for a retention time of approximately 20 to 30 days. While in the digester, the solids will be held at a temperature between 95°F and 98°F and gently mixed with a set of mixers and/or pumps. This will meet Class B PSRP requirements for land application. With the breakdown of the volatile solids during the process, raw biogas will be produced that will be used to generate biogas (equivalent to natural gas) and/or electricity.

1. Capacity – The digester will have dimensions of 60' in diameter with a depth of 40' for a 750,000 gallon working capacity. One additional tank with a working capacity of 230,000 gallons is in the process. This tank is a 230,000 gallon feedstock equalization tank to assure acceptable % solids and to initiate digestion.

2. Detention time – The detention time for the digesters will be up to 30 days.

3. Pathogen reduction – For Class B for land application, pathogen control (PSRP) will be achieved by anaerobic digestion. For Class A EQ product pathogen control will be achieved

through time and temperature regime (thermophilic). NYSDEC will be provided with data for approval prior to land application.

4. Vector Attraction Reduction – Vector attraction reduction (VAR) requirements will be met using Option 1, whereby the mass of volatile solids in the solids shall be reduced by a minimum of 38 % (using Van Kleeck equation). The volatile solids reduction will be measured by recording the solids entering the digester and those volatile solids remaining after the time/temperature process. The loss in solids divided by the volatile solids going into the digester will result in the volatile solids reduction. NYSDEC will be provided with data for approval prior to land application.

5. Type of Cover – The dual purpose tank will have either a flexible cover, while the other tanks will have fixed covers.

6. Digester mixing mechanisms – Two mixing systems which employ either side wall mounted units or a top stirrer unit will be used.

7. Digester heating mechanisms – Boilers and/or heat exchangers (pulling waste heat from the generator) will be used to heat the digester.

8. Time and temperature record keeping – The anaerobic digestion process will have a process control system integrated into its technology.

B. OFF-SITE LOCATION

The ADS has the ability to divert the liquid, filtrate, and/or cake solids from the anaerobic digestion process and place the solids in trucks or water tight containers to be further processed elsewhere. The solids cake may be taken to an off-site location for further processing such as soil blending or disposed of at an approved landfill when necessary. NYSDEC will be notified of these operational changes in writing and the dry tons diverted will be documented.

IV. AGRONOMIC MANAGEMENT FOR BIOSOLIDS

Anaerobically digested biosolids contain significant quantities of NPK, micronutrients, and organic matter that are beneficial to crop growth and soil structure and water and nutrient holding capacity. Biosolids replace chemical fertilizers. Biosolids application rates are determined by the nitrogen requirement for the crop to be grown as determined by land grant university publications. Generally speaking biosolids application rates are 3 to 6 dry tons/acre/year based on crop N requirements minus the contribution of N from other sources. The equation to be used for nitrogen calculation is found at NYSDEC 6 NYCRR Part 360 Solid Waste Management Facilities Regulations, Subpart 4.4(c)(1):

lbs available N per dry ton biosolids = (%N_{inorganic} x 20) + (%N_{organic} x 4)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number _____ 2. Page 1 of _____ 3. Emergency Response Phone _____ 4. Waste Tracking Number _____

5. Generator's Name and Mailing Address: **BUFFALO WILD WINES & SPIRITS**
 6340 PRENTISS SCHOOL CANAL WINCHESTER, OH
 Generator's Phone: _____
 Generator's Site Address (if different than mailing address): _____

6. Transporter 1 Company Name: **Rite-Way Industrial Service, Inc.** U.S. EPA ID Number: **OHR00101105**

7. Transporter 2 Company Name: _____ U.S. EPA ID Number: _____

8. Designated Facility Name and Site Address: **Quasar**
 6400 Maysville Pike, Zanesville, OH 43701
 1-216-407-6174
 Facility's Phone: _____ U.S. EPA ID Number: _____

9. Waste Shipping Name and Description	10. Containers		11. Total Quantity	12. Unit Wt/Vol
	No.	Type		
1. WASTE WATER / GREASE	001	VT	300	GAL
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____

13. Special Handling Instructions and Additional Information: _____

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Officer's Printed/Typed Name: _____ Signature: _____ Month: **11** Day: _____ Year: _____

15. International Shipments: Import to U.S. Export from U.S. Part of entry/exit: _____ Date leaving U.S.: _____

16. Transporter Acknowledgement of Receipt of Materials
 Transporter 1 Printed/Typed Name: **JEREMY S. HANCOCK** Signature: _____ Month: **11** Day: **20** Year: **12**
 Transporter 2 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

17. Discrepancy: _____

17a. Discrepancy Indication Space: Quantity Type Residue Partial Rejection Full Rejection

Manifest Reference Number: _____ U.S. EPA ID Number: _____

17b. Alternate Facility (or Generator): _____ U.S. EPA ID Number: _____
 Facility's Phone: _____

17c. Signature of Alternate Facility (or Generator): _____ Month: _____ Day: _____ Year: _____

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a.
 Printed/Typed Name: _____ Signature: _____ Month: _____ Day: _____ Year: _____

GENERATOR

INTL

TRANSPORTER

DESIGNATED FACILITY

A. STORAGE

Per NYCRR 4.6(b)(12) – “Land application is prohibited on water saturated ground or heavy rainfall. Land application is prohibited on snow-covered or frozen ground, except by direct injection below the land surface. Storage and/or disposal facilities must be available for periods during the year when waste cannot be applied.” Storage lagoons or tanks will be utilized for storage. Existing engineered facilities or new construction will be permitted separately through NYSEC as a separate 360 permit.

Biosolids that are discharged from the ADS and dewatered are placed into storage until the following parameters are met:

1. Laboratory analyses- Analysis work is performed on the biosolids for:
 - a) Pollutant (metals) levels as defined in V. Monitoring and Reporting (B) below.
 - b) Fecal coliform for Class B is $\leq 2,000,000$ MPN /gram fecal coliform.
 - c) For Class $\leq 1,000$ MPN. Per 40 CFR 503 b) and c) are the geometric average of 7 samples.
 - d) At a minimum, volatile solids will be reduced by 38% per the Van Kleeck equation.
2. Storage of biosolids will occur at the ADS within tankage or approved engineered earthen lagoons or concrete tanks.

Annual production of biosolids will be approximately 20,000 cubic yards of cake material or 11,000,000 gallons at start-up or some combination thereof, and the site capacity is as follows:

1. Covered storage area – None.
2. Open storage area – None – biosolids will be shipped as generated.
3. Off-Site Storage – Concrete, metal, and/or earthen lined lagoons/tanks will be utilized for storage on a seasonal basis. The lagoons will be isolated from surface and ground water and will be cleaned out regularly.

B. MARKETING COUNTIES

Since NYSDEC requires site specific management plans this is not applicable.

C. DISTRIBUTION

The biosolids will be distributed in bulk for land application. Class A EQ product will ship to market.



D. OPERATIONS

1. Set-backs below will be followed.

Item	Minimum Horizontal Separation Distance (Feet)
Property Line	50
Residence, Place of Business or Public Contact Area	500
Potable Water Well	200
Surface Water and State Regulated Wetland (Waste Not Directly Injected)	200
Surface Water and State Regulated Wetland (Waste Directly Injected)	100
Drainage Swale	25

2. Land application is prohibited in areas where groundwater is within 24 inches of the ground surface at the time of application.
3. Land application is prohibited in areas where bedrock is less than 24 inches of the ground surface.
4. Hydraulic loading must not exceed 16,000 gallons per hour in any 24-hour period.
5. Land application is prohibited on land with a slope exceeding 156 percent. Land application of waste with total solids content of less than 15 percent is prohibited on land with a slope greater than 8 percent, unless applied by subsurface injection along paths parallel to contour lines for the land.
6. Land application is allowed only on soils within one or more of the following texture classes: sandy loam, sandy clay loam, loam, silt loam, silt, sandy clay and clay loam.
7. Land application in a 100-year floodplain must not result in washout of the solid waste applied. Land application is prohibited in floodplain areas designed as a floodway.
8. The land application rate must not exceed the agronomic rate or the rate of lime addition designed to achieve a soil pH value in an acceptable range for the crop growth, whichever results in a lower rate. On a case specific basis, the Department may restrict the application rate based on nutrient other than nitrogen, such as phosphorus. The application rate must be sufficiently reduced to insure appropriate application rates are not exceeded if supplemental fertilizer or manure are going to be added to the site, based on information provided by the farmer owner or operator.
9. Land application rates and practices must not cause contravention of ground water and surface water standards.
10. In all cases, the solid waste that is land applied must be incorporated into the soil within 24 hours after application, unless concerns regarding odor and surface runoff can be mitigated by other means, and such means are approved by the Department. If the vector attraction reduction option found in Subparagraph 360-4.7(b)(2)(x) of this Subpart is used, the period prior to incorporation is limited to six hours or less.
11. The Department may require the use of dikes, berms, or other pollution protection devices or techniques on a case-specific basis.

12. Land application is prohibited on water saturated ground during heavy rainfall. Land application is prohibited on snow-covered or frozen ground, except by direct injection below the land surface. Storage and/or disposal facilities must be available for periods during the year when waste cannot be applied.
13. Prior soil conservation practices and agricultural management practices must be used to minimize runoff and soil loss through erosion.
14. Written permission from the landowners must be obtained for all lands where land application will occur. A multi-party certificate indicating who will be responsible for each applicable operational requirement must be completed and followed.

VI. MONITORING AND REPORTING

A. MONITORING

The frequency of monitoring for pollutants, pathogen reduction and vector attraction reduction will be as follows:

Anaerobic digestion – The monitoring for the pollutants and bacterial counts will be monthly. The pathogen reduction requirement for temperatures will be recorded continuously whenever the pasteurization process is implemented. The vector attraction reduction requirement will be monitored per permit requirements for volatile solids entering and leaving the digestion system after pasteurization.

The frequency of monitoring for total Kjeldahl nitrogen or equivalent, ammonia nitrogen, phosphorus, potassium and pH will be monthly for both the anaerobic digestion processes.

The frequency of monitoring for the % dry solids, % volatile solids and the weight in dry tons shall be done monthly for the anaerobic digestion processes.

B. METAL LOADING

Per 6 NYCRR Part 360-4.4(c), Table 5, New York sets lower lifetime application limits than the Federal limits. The more restrictive State limits will be utilized.

	State Limits For Lifetime of site Applied lbs/acre	Previous Years Applied of Accumulated lbs/acre	Adjusted lbs/acre	Amount Current Year Applied lbs/acre	Estimated Site Lifetime - Years *	Estimated Site Lifetime - **	Federal Lifetime - kg/ha
Cadmium	3	0.00	3.00	0.00	0	0	39
Nickel	30	0.00	30.00	0.00	0	0	420
Copper	75	0.00	75.00	0.00	0	0	1500
Zinc	150	0.00	150.00	0.00	0	0	2800
Manganese	900	0.00	900.00	0.00	0	0	-
Lead	267	0.00	267.00	0.00	0	0	300
Arsenic	-	0.00	-	0.00	-	-	41
Chromium	300	0.00	-	0.00	-	-	3000
Mercury	-	0.00	-	0.00	-	-	17
Molybdenum	-	0.00	-	0.00	-	-	18
Selenium	-	0.00	-	0.00	-	-	100

C. REPORTING

Annual reports will be generated and be available for five years and shall contain the following information (as required by 360-4.6(c)(3):

1. Pollutant concentrations for all processes. All biosolids must be analyzed for Group A and Group B parameters in Table 1 of 360-5.10, at the frequency specified in Table 6 of 360.5.10. See tables below for parameters and frequency of testing.

Group A		Group B	Group C	Biosolids/Sludge Used (dry tons/year)	Minimum Number of Analyses	
Total Kjeldahl Nitrogen	Arsenic	Extended Parameters	(see Table 2)		Groups A & B	Group C
Ammonia	Cadmium			>1000	12	1
Nitrate	Chromium (total)			200 to 1000	6	1
Total Phosphorous	Copper			25 to 199	2	1
Total Potassium	Lead			<25	2	0
pH	Mercury					
Total Solids	Molybdenum					
Total Volatile Solids	Nickel					
	Selenium					
	Zinc					

2. Volatile solids vector attraction reduction must be shown.
3. Description of how pathogen reduction requirements were met including the bacterial counts for all processes.
4. Description of how vector attraction reduction requirements were met for all processes.
5. Results for pathogen reduction, vector attraction reduction, total Kjeldahl nitrogen, ammonia nitrogen, phosphorus, potassium, pH, % dry solids, % volatile solids, and weight in dry tons processed. P and K data will be provided to farmers as P₂O₅ and K₂O, which are the fertilizer equivalents that farmers are accustomed to working with.
6. Signed certification statement for pathogen and vector attraction reduction compliance (NANI – Notice and Necessary Information).



Delivery Manifest Form

Manifest #: _____

Date:	<u>11/21/12</u>	Arrival Time:	<u>11:34AM</u>
Generator:	<u>Rite-Way Grease</u>	Departure Time:	<u>11:45AM</u>
Street Address:	_____	Generator Contact:	_____
Phone No:	_____	City, State:	_____
Hauler Contact:	<u>Rite-Way</u>	Email:	_____
Truck Driver Name:	_____	Hauler Phone No:	_____
Description of Load:	<u>Grease Trap</u>	Truck No:	_____

Load Volume Certification

Weight/Volume Certification Attached

Shipping Location:	<u>Zanesville</u>	Tractor No:	_____
Load No:	<u>3 Sweek 47</u>	Weight of Product:	<u>24520</u>
Product Name:	<u>Grease</u>	Tare Weight:	<u>29720</u>
Specific Gravity:	<u>light</u>	Gross Weight: (tare + product)	<u>54240</u>

I certify that the biomass in this load was generated by this facility, is not hazardous and that it does not contain pollutants of regulatory concern in excess of 40 CFR 503, OAC 3745-40, other applicable rules, or the facility NPDES permit. I further certify that while under my control, the load has not been altered or added to with any other materials.

Customer/Operator:	Driver:
Signature <u>[Signature]</u>	Signature <u>[Signature]</u>
Print <u>Chris Warno</u>	Print <u>JEREMY HORSLEY</u>

Facility Rules:

- 1 Only approved materials from approved sources are accepted at this facility.
- 2 Inflow materials must be non-hazardous and below ceiling limits for Cu, Cd, Ni, Zn, Pb, As, Se, Mo, Hg, and PCB in 40 CFR 503 and OAC 3745-40.
- 3 Generators must provide their historical and quarterly NPDES permit limits and analytical data to QEG for prior approval. The EPA is aware of pollutants in specific treatment plants that may be of concern in addition to the Federal rules and regulations.
- 4 This facility will not accept loads with disposable plastic bed liners or chemical treatments to keep loads from freezing or sticking to the truck bed.
- 5 Site hours are 7 AM to 3:30 PM, Monday through Friday.

VII. CONTINGENCY PLAN

In the event that land application is not able to be performed in New York, quasar will manage the effluent by sending to our other digestion facilities and/or approved land application sites in other states.

Once the digester and lagoon facility are constructed the local contact information will be provided to NYSDEC.



BB QEG 110712

Attachment C
Nutrient Recommendation



Spring Manure Recommendation Milleville Brothers Farms

Thursday, November 15, 2012

1:35:40 PM

FieldName	Acres	Map	Crop	Yr	P P- index	D P- index	LI	Applied Manure Gallons	Applied Manure Tons	Rec Manure Gallons	Rec Manure Tons	Total Manure Gallons	Total Manure Tons	Spreading Comments
Summer														
F 5A	35	2	Corn Grain		H	L	-			10,000		10,000	0.0	Be Aware Of Setbacks
F 5B	29	2	Corn Grain		H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
F 6A	28	2	Corn Grain		H	M	M			8,000		8,000	0.0	Be Aware Of Setbacks
F 6B	28	2	Corn Grain		H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
F 3	37.5	4	Corn Grain	2	M	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
F 4	25.4	4	Corn Grain	2	M	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
N 1	36	4	Corn Grain		H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
HH 2	12.5	8	Wheat		H	L	M			6,000		6,000	0.0	Be Aware Of Setbacks
HH 3	26	8	Wheat		H	M	-			8,000		8,000	0.0	Be Aware Of Setbacks
W 1A	32	13	Corn Grain	2	H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
W 1B	22	13	Corn Grain	2	H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
W 2B	40	13	Corn Grain	2	H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
W 2C	25	13	Corn Grain	2	H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
W 2D	24	13	Corn Grain	2	H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
Richards 1	25.9	15	Corn Grain	2	H	L	-			8,000		8,000	0.0	Be Aware Of Setbacks
Richards 2	10.9	15	Corn Grain	2	H	L	M			8,000		8,000	0.0	Be Aware Of Setbacks
Richards 3A	115.8	15	Corn Grain	2	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Richards 3B		15	Corn Grain	2	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Richards 3C		15	Corn Grain	2	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Richards 3D		15	Corn Grain	2	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks

FieldName	Acres	Map	Crop	Yr	P P- index	D P- index	LI	Applied Manure Gallons	Applied Manure Tons	Rec Manure Gallons	Rec Manure Tons	Total Manure Gallons	Total Manure Tons	Spreading Comments
Richards 4A	48.9	15	Corn Grain	2	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Richards 4B		15	Corn Grain	2	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Richards 4C		15	Corn Grain	2	H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
Wright 1A	36.5	15	Corn Grain	2	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Wright 1B		15	Corn Grain	2	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Wright 2	11.1	15	Corn Grain	2	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
LK 1	4.4	18	Corn Grain	2	M	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
LK 2	6.4	18	Corn Grain	2	L	L	-			10,000		10,000	0.0	Be Aware Of Setbacks
LK 3	6	18	Corn Grain	2	H	H	M			10,000		10,000	0.0	Be Aware Of Setbacks
LK 4	7.8	18	Corn Grain	2	H	H	M			10,000		10,000	0.0	Be Aware Of Setbacks
LK 5	13.5	18	Corn Grain	2	H	M	M			8,000		8,000	0.0	Be Aware Of Setbacks
LK 6	11.9	18	Corn Grain	2	H	H	M			8,000		8,000	0.0	Be Aware Of Setbacks
CH 1	26.1	19	Grass	6	M	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
CH 2	23.2	19	Grass	6	M	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
CH 3	27	19	Grass	6	M	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Home 1A	66.4	19	Wheat		H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Home 1B		19	Wheat		H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Home 1C		19	Wheat	2	H	M	M			8,000		8,000	0.0	Be Aware Of Setbacks
Home 2	56	19	Corn Silage		H	L	M			8,000		8,000	0.0	Be Aware Of Setbacks
Home 3	29.1	19	Alfalfa/Grass		VH	VH	M			8,000		8,000	0.0	Be Aware Of Setbacks
Home 4	11.1	19	Alfalfa/Grass		H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
Hub 1	7.6	19	Alfalfa/Grass		M	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Hub 2	26.4	19	Alfalfa/Grass		M	L	M			10,000		10,000	0.0	Be Aware Of Setbacks

FieldName	Acres	Map	Crop	Yr	P P- index	D P- index	LI	Applied Manure Gallons	Applied Manure Tons	Rec Manure Gallons	Rec Manure Tons	Total Manure Gallons	Total Manure Tons	Spreading Comments
Hub 3	2.1	19	Alfalfa/Grass		-	-	M			10,000		10,000	0.0	Be Aware Of Setbacks
Hub 4	5.9	19	Corn Silage		-	-	M			10,000		10,000	0.0	Be Aware Of Setbacks
RW NE	48.7	22	Wheat	2	M	L	H			10,000		10,000	0.0	Be Aware Of Setbacks
RW NW		22	Wheat	2	H	L	H			10,000		10,000	0.0	Be Aware Of Setbacks
RW SE		22	Wheat	2	M	L	H			10,000		10,000	0.0	Be Aware Of Setbacks
Home 5	25.8	26	Alfalfa/Grass	2	H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
Home 7	28.8	26	Grass	6	M	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
Home 9	29.3	26	Alfalfa/Grass	5	H	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
Home 6	46.7	27	Grass	6	M	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
Home 8	19.2	27	Alfalfa/Grass	5	H	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
Home-10	17.7	27	Alfalfa/Grass	5	H	L	H			10,000		10,000	0.0	Be Aware Of Setbacks
Bau 1	31.4	28	Grass	6	M	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
Bau 2	44.7	28	Corn Grain	2	M	L	M			10,000		10,000	0.0	Be Aware Of Setbacks
North Nash 1	28.4	30	Grass	6	M	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
North Nash 2	22.7	30	Grass	6	M	M	M			10,000		10,000	0.0	Be Aware Of Setbacks
	1324											12785400	0	
	1324											12785400	0	

Attachment D

**Land Owner Consent Form
Operator Consent Form
Term Sheet**

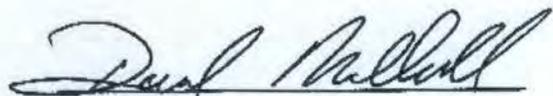
NIAGARA BIOENERGY

Beneficial Use Site Operator Consent for Beneficial Use

Beneficial use site operator: <i>Milleville bros</i>		
Mailing address: <i>2598 Saunders Sett.</i>		
City: <i>Sarborn</i>	State: <i>N.Y</i>	Zip: <i>14132</i>
Telephone number: <i>716-731-3917</i>		
Email address (if available): <i>Millevillebros@yahoo.com</i>		

Certification Statement

I agree to be responsible for complying with all applicable beneficial use requirements established in Subpart 360-1 of New York State Department of Environmental Conservation.



Signature

8/19/2012

Date

In the event the operator of the beneficial use site changes, this form must be revised and resubmitted to NYDEC.

Beneficial User Information

Beneficial user: <i>Niagara BioEnergy, LLC.</i>		
Contact person: <i>Bruce Bailey</i>		
Mailing address: <i>7624 Riverview Road</i>		
City: <i>Cleveland</i>	State: <i>OH</i>	Zip: <i>44141</i>
Telephone number: <i>216.538.1151</i>		
Email address (if available): <i>bbailey@quasarenergygroup.com</i>		

RECEIVED
NOV 27 2012

Niagara BioEnergy
7624 Riverview Road
Cleveland, OH 44141

(216) 986-9999
www.quasarenergygroup.com

ENVIRONMENTAL CONSERVATION
REGION 9

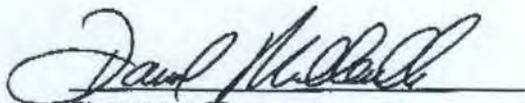
NIAGARA BIOENERGY

Owner Consent for Beneficial Use

Beneficial use site owner: <i>Milleville Bros</i>		
Mailing address: <i>2598 Saunders Settlement</i>		
City: <i>Sanborn</i>	State: <i>N.Y</i>	Zip: <i>14132</i>
Telephone number: <i>716-731-3917 office 716-310-4004 cell DAVE'S</i>		
Email address (if available): <i>Millevillebros@yahoo.com 716-310-7434 "Lee"</i>		

Certification Statement

1. I agree to allow biosolids generated by Niagara BioEnergy to be beneficially used on my property at agronomic rates.
2. I agree to allow federal, state and local regulatory staff access to the beneficial use site for the purposes of inspecting and authorizing the beneficial use site, beneficially using biosolids, collecting and analyzing samples from the beneficial use site. I reserve the right to ask the above parties for proper identification at any time.
3. I certify that I am holder of legal title to the property described on attached application or am authorized by the holder to give consent for the land application of biosolids and that there are no restrictions to the granting of consent under this form.


Signature *Partner*
Milleville Bros

8/19/2012
Date

Niagara BioEnergy
7624 Riverview Road
Cleveland, OH 44141

(216) 986-9999
www.quasarenergygroup.com

**QUASAR ENERGY GROUP TERM SHEET
NEW YORK PROJECTS**

Effluent Management with quasar energy group Lagoon	
Parties	<p>"Landlord" = farm operator</p> <p>"Tenant" = quasar energy group</p>
Effluent Management General Terms	<p>Landlord shall, land apply Tenant's sludge in accordance with NYSDEC land application regulations and this agreement. Landlord shall ensure that the volume of sludge within the storage lagoon(s) does not exceed eighty percent (80%) capacity going into the winter.</p> <p>When multiple farmers are involved a set gallonage will be committed to for land application.</p>
Processing of Sludge	<p>Processing will be performed on NYSDEC approved sites. On a monthly basis, Landlord shall submit a detailed report of all processes performed.</p>
Delivery, Acceptance and Ownership	<p>Landlord receives and takes ownership of the Tenant's sludge upon delivery by Tenant at the storage lagoons. Landlord agrees to accept all sludge; however, the Tenant is not obligated to deliver a required amount of sludge to Landlord.</p>
Land Application Requirements	<p>Sludge will only be applied to DEC approved locations at approved rates per Sludge Management Plan. Application rate must be agronomic and cannot occur unless:</p> <ol style="list-style-type: none"> 1. Prior to application a sign must be posted and flags marking boundaries in fields meeting DEC rules. 2. All sludge is injected into the soil or incorporated within 24 hours of application. 3. Field pH is 6.5 or greater. 4. Field is not flooded or saturated. 5. Hydraulic loading must not exceed 16,000 gallons per acre in any 24-hour period. 6. Application rate is based on agronomic crop needs and accounts for other nutrient additions and carry-overs. 7. Daily records are provided to quasar for tracking applications. 8. Application sites are managed to minimize impacts from noise and mud drag-out.
Testing of Sludge	<p>Tenant shall test the sludge to confirm that such qualifies as Class B biosolids. Tenant shall perform all testing and related activities (a) as of the time of delivery, (b) with respect to the process used and the quantity of sludge generated, and (c) for land application of the sludge only.</p>
Insurance	<p>Landlord shall provide workers' compensation for its employees, general liability insurance for processing, and general liability insurance for use of vehicles in connection with the treatment and disposal of sludge.</p>
Termination; Remedies	<p>Due to the other party's non-performance, the non-defaulting party may terminate the lease upon 30 days written notice to the defaulting party. If the defaulting party fails to cure the non-performance within 10 days after receipt of such notice, the lease shall be terminated.</p> <p>If the Landlord fails to perform its obligations under the lease, Tenant shall</p>

**QUASAR ENERGY GROUP TERM SHEET
NEW YORK PROJECTS**

	<p>have the right, but not the obligation, to perform or cause to be performed, any such obligation and all costs incurred by the Tenant shall be paid by Landlord within 30 days of receipt of Tenant's invoice. In addition, the Landlord or the Tenant may terminate this lease upon written notice to the other party under 3 circumstances:</p> <ol style="list-style-type: none">1. Other party fails to make payment within 15 days of when such payment is due;2. There is a change in federal, state or local laws, et al., that material affects or prohibits such party from performing its obligations to provide processing;3. Any party determines that processing the Tenant's sludge will cause either the Landlord or Tenant to be in violation of its federal, state or local permits.
--	--

Attachment E
Depth to Groundwater Tables

GROUNDWATER DISCUSSION

Land application will not occur when:

1. Groundwater or seasonal or apparent water tables are within 24" of the soil surface.
2. Soils are too saturated to hold the addition of liquid without creating run-off and/or ponding.

Attached are potable drinking water well elevations for the counties where we will be land applying. These define the groundwater water elevations. Due to the topography and soil parent materials some soils will have seasonal conditions where the seasonal or apparent water table is within 24" up to the soil surface. When these conditions are present, land application will not be performed. Of note is that operating under such conditions would result in run-off and cause soil compaction. Farmers will not participate in long-term programs if the activity degrades the soil and lowers crop yields.

Water Well Information - Search Results

Search By County Name: Niagara
Search By Town/City/Village Name: Lewiston

* = No value available.

NR = Rock was not encountered.

Town/ City/ Village	County	Well#	FOIL Address	Latitude (D/M/S)	Longitude (D/M/S)	Well Depth (FT)	Rock Depth (FT)	GW Depth (FT)	Casing Length (FT)	Screen Used	Yield (GPM)	Registration Number
Lewiston	Niagara	NI1207	CHEW RD	*	*	32	*	*	*	N	25.0	NYRD10009
Lewiston	Niagara	NI1200	CHEW RD	43 09 34.0	78 55 17.2	40	5	*	*	N	15.0	NYRD10009
Lewiston	Niagara	NI1249	MODEL CITY RD	*	*	61	33	17.0	*	N	*	NYRD10009
Lewiston	Niagara	NI1223	MOUNT HOPE RD	43 09 37.3	78 56 39.0	22	*	4.0	*	N	30.0	NYRD10009
Lewiston	Niagara	NI1224	MOUNT HOPE RD	43 09 33.3	78 56 34.2	45	*	19.0	*	N	20.0	NYRD10009
Lewiston	Niagara	NI1225	RANSOMVILLE RD	43 12 34.4	78 54 58.9	40	*	9.0	*	N	25.0	NYRD10009
Lewiston	Niagara	NI1219	SAUNDERS SETTLEMENT RD	43 08 39.2	78 52 24.5	60	4	16.0	*	N	100.0	NYRD10009
Lewiston	Niagara	NI1250	SAUNDERS SETTLEMENT RD	43 08 36.9	78 55 30.3	80	9	0	19.0	N	100.0	NYRD10408
Lewiston	Niagara	NI1201	UPPER MOUNTAIN RD	*	*	30	5	15.0	10.0	N	15.0	NYRD10009
Lewiston	Niagara	NI1238	WALMORE RD	*	*	34	15	24.0	*	N	*	NYRD10009
Lewiston	Niagara	NI1231	WALMORE RD	*	*	43	2	28.0	*	N	15.0	NYRD10009
Lewiston	Niagara	NI1236	WALMORE RD	*	*	50	10	20.0	*	N	*	NYRD10009
Lewiston	Niagara	NI1206	WALMORE RD	*	*	44	*	*	*	N	5.0	NYRD10009
Lewiston	Niagara	NI1232	WALMORE RD	*	*	42	1	27.0	*	N	15.0	NYRD10009
Records 1 through 14 of 14												

[Water Well Search Home](#)

[Search for Contractors](#)

[Search for Wells](#)

[Contact Us](#)

Water Well Information - Search Results

Search By County Name: Niagara
Search By Town/City/Village Name: Wilson

* = No value available.

NR = Rock was not encountered.

Town/ City/ Village	County	Well#	FOIL Address	Latitude (D/M/S)	Longitude (D/M/S)	Well Depth (FT)	Rock Depth (FT)	GW Depth (FT)	Casing Length (FT)	Screen Used	Yield (GPM)	Registration Number
Wilson	Niagara	NI1245	RANDALL RD	43 14 58.1	78 52 23.4	75	38	8.0	*	N	*	NYRD10009
Wilson	Niagara	NI1214	WILSON CAMBRIA RD	43 16 37.8	78 50 00.9	82	*	*	*	N	4.0	NYRD10009

Records 1 through 2 of 2

[Water Well Search Home](#)

[Search for Contractors](#)

[Search for Wells](#)

[Contact Us](#)

Attachment F
Milleville Farms
SERQ

617.20
Appendix A
State Environmental Quality Review
FULL ENVIRONMENTAL ASSESSMENT FORM

Purpose: The full EAF is designed to help applicants and agencies determine, in an orderly manner, whether a project or action may be significant. The question of whether an action may be significant is not always easy to answer. Frequently, there are aspects of a project that are subjective or unmeasurable. It is also understood that those who determine significance may have little or no formal knowledge of the environment or may not be technically expert in environmental analysis. In addition, many who have knowledge in one particular area may not be aware of the broader concerns affecting the question of significance.

The full EAF is intended to provide a method whereby applicants and agencies can be assured that the determination process has been orderly, comprehensive in nature, yet flexible enough to allow introduction of information to fit a project or action.

Full EAF Components: The full EAF is comprised of three parts:

- Part 1:** Provides objective data and information about a given project and its site. By identifying basic project data, it assists a reviewer in the analysis that takes place in Parts 2 and 3.
- Part 2:** Focuses on identifying the range of possible impacts that may occur from a project or action. It provides guidance as to whether an impact is likely to be considered small to moderate or whether it is a potentially-large impact. The form also identifies whether an impact can be mitigated or reduced.
- Part 3:** If any impact in Part 2 is identified as potentially-large, then Part 3 is used to evaluate whether or not the impact is actually important.

THIS AREA FOR LEAD AGENCY USE ONLY

DETERMINATION OF SIGNIFICANCE -- Type 1 and Unlisted Actions

Identify the Portions of EAF completed for this project:

Part 1

Part 2

Part 3

Upon review of the information recorded on this EAF (Parts 1 and 2 and 3 if appropriate), and any other supporting information, and considering both the magnitude and importance of each impact, it is reasonably determined by the lead agency that:

- A. The project will not result in any large and important impact(s) and, therefore, is one which will not have a significant impact on the environment, therefore a **negative declaration will be prepared.**
- B. Although the project could have a significant effect on the environment, there will not be a significant effect for this Unlisted Action because the mitigation measures described in PART 3 have been required, therefore a **CONDITIONED negative declaration will be prepared.***
- C. The project may result in one or more large and important impacts that may have a significant impact on the environment, therefore a **positive declaration will be prepared.**

*A Conditioned Negative Declaration is only valid for Unlisted Actions

Name of Action

Name of Lead Agency

Print or Type Name of Responsible Officer in Lead Agency

Title of Responsible Officer

Signature of Responsible Officer in Lead Agency

Signature of Preparer (if different from responsible officer)

website

Date

PART 1--PROJECT INFORMATION
Prepared by Project Sponsor

NOTICE: This document is designed to assist in determining whether the action proposed may have a significant effect on the environment. Please complete the entire form, Parts A through E. Answers to these questions will be considered as part of the application for approval and may be subject to further verification and public review. Provide any additional information you believe will be needed to complete Parts 2 and 3.

It is expected that completion of the full EAF will be dependent on information currently available and will not involve new studies, research or investigation. If information requiring such additional work is unavailable, so indicate and specify each instance.

Name of Action Milleville Farms - Land Application

Location of Action (include Street Address, Municipality and County)

Multiple Locations - Towns of Wilson, Cambria, Lewiston, Pendleton and Wheatfield, Niagara County

Name of Applicant/Sponsor Sustainable Bioelectric, LLC

Address 7624 Riverview Road

City / PO Cleveland State Ohio Zip Code 44141

Business Telephone (216) 986-9999

Name of Owner (if different) Milleville Brothers Farms

Address 2598 Saunders Settlement

City / PO Sanborn State NY Zip Code 14132

Business Telephone (716) 731-3917

Description of Action:

Approval of farm fields for the land application of Class B biosolids.

Please Complete Each Question--Indicate N.A. if not applicable

A. SITE DESCRIPTION

Physical setting of overall project, both developed and undeveloped areas.

1. Present Land Use: Urban Industrial Commercial Residential (suburban) Rural (non-farm)
 Forest Agriculture Other _____

2. Total acreage of project area: 678.4 acres.

APPROXIMATE ACREAGE	PRESENTLY	AFTER COMPLETION
Meadow or Brushland (Non-agricultural)	<u>1</u> acres	<u>1</u> acres
Forested	<u>5</u> acres	<u>5</u> acres
Agricultural (Includes orchards, cropland, pasture, etc.)	<u>615.1</u> acres	<u>615.1</u> acres
Wetland (Freshwater or tidal as per Articles 24,25 of ECL)	<u>1</u> acres	<u>1</u> acres
Water Surface Area	<u>5</u> acres	<u>5</u> acres
Unvegetated (Rock, earth or fill)	<u>0</u> acres	<u>0</u> acres
Roads, buildings and other paved surfaces	<u>0</u> acres	<u>0</u> acres
Other (Indicate type) _____	_____ acres	_____ acres

3. What is predominant soil type(s) on project site? silt loam, sandy loam, gravelly loam

- a. Soil drainage: Well drained _____% of site Moderately well drained 100% of site.
 Poorly drained 0% of site

- b. If any agricultural land is involved, how many acres of soil are classified within soil group 1 through 4 of the NYS Land Classification System? 678.4 acres (see 1 NYCRR 370).

4. Are there bedrock outcroppings on project site? Yes No

- a. What is depth to bedrock < 3 (in feet)

5. Approximate percentage of proposed project site with slopes:

- 0-10% 100% 10- 15% _____% 15% or greater _____%

6. Is project substantially contiguous to, or contain a building, site, or district, listed on the State or National Registers of Historic Places? Yes No

7. Is project substantially contiguous to a site listed on the Register of National Natural Landmarks? Yes No

8. What is the depth of the water table? 2 (in feet)

9. Is site located over a primary, principal, or sole source aquifer? Yes No

10. Do hunting, fishing or shell fishing opportunities presently exist in the project area? Yes No

11. Does project site contain any species of plant or animal life that is identified as threatened or endangered? Yes No

According to:

The NYSDEC online Environmental Resource Mapper

Identify each species:

12. Are there any unique or unusual land forms on the project site? (i.e., cliffs, dunes, other geological formations?)

Yes No

Describe:

13. Is the project site presently used by the community or neighborhood as an open space or recreation area?

Yes No

If yes, explain:

14. Does the present site include scenic views known to be important to the community? Yes No

15. Streams within or contiguous to project area:

Yes

a. Name of Stream and name of River to which it is tributary

Twelvemile Creek - Lake Ontario
Bull Creek - Tonawanda Creek

16. Lakes, ponds, wetland areas within or contiguous to project area:

Federal wetland are located within and contiguous to all the fields. On field NIQ-01-05, State Regulated wetland is located to the North. These areas have been buffered out to not be included in the land application. The buffer is 100' for injection and 200' for surface application.

b. Size (in acres):

50

17. Is the site served by existing public utilities? Yes No
- a. If YES, does sufficient capacity exist to allow connection? Yes No
- b. If YES, will improvements be necessary to allow connection? Yes No
18. Is the site located in an agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? Yes No
19. Is the site located in or substantially contiguous to a Critical Environmental Area designated pursuant to Article 8 of the ECL, and 6 NYCRR 617? Yes No
20. Has the site ever been used for the disposal of solid or hazardous wastes? Yes No

B. Project Description

1. Physical dimensions and scale of project (fill in dimensions as appropriate).

- a. Total contiguous acreage owned or controlled by project sponsor: _____ acres.
- b. Project acreage to be developed: 678.4 acres initially; 615.1 acres ultimately.
- c. Project acreage to remain undeveloped: 63.3 acres.
- d. Length of project, in miles: _____ (if appropriate)
- e. If the project is an expansion, indicate percent of expansion proposed. 50 %
- f. Number of off-street parking spaces existing _____; proposed _____
- g. Maximum vehicular trips generated per hour: _____ (upon completion of project)?
- h. If residential: Number and type of housing units:

	One Family	Two Family	Multiple Family	Condominium
Initially	_____	_____	_____	_____
Ultimately	_____	_____	_____	_____

- i. Dimensions (in feet) of largest proposed structure: _____ height; _____ width; _____ length.
- j. Linear feet of frontage along a public thoroughfare project will occupy is? _____ ft.
2. How much natural material (i.e. rock, earth, etc.) will be removed from the site? 0 tons/cubic yards.
3. Will disturbed areas be reclaimed Yes No N/A
- a. If yes, for what intended purpose is the site being reclaimed?

- b. Will topsoil be stockpiled for reclamation? Yes No
- c. Will upper subsoil be stockpiled for reclamation? Yes No
4. How many acres of vegetation (trees, shrubs, ground covers) will be removed from site? 0 acres.

5. Will any mature forest (over 100 years old) or other locally-important vegetation be removed by this project?

Yes No

6. If single phase project: Anticipated period of construction: N/A months, (including demolition)

7. If multi-phased:

a. Total number of phases anticipated _____ (number)

b. Anticipated date of commencement phase 1: _____ month _____ year, (including demolition)

c. Approximate completion date of final phase: _____ month _____ year.

d. Is phase 1 functionally dependent on subsequent phases? Yes No

8. Will blasting occur during construction? Yes No

9. Number of jobs generated: during construction 10; after project is complete _____

10. Number of jobs eliminated by this project 0.

11. Will project require relocation of any projects or facilities? Yes No

If yes, explain:

12. Is surface liquid waste disposal involved? Yes No

a. If yes, indicate type of waste (sewage, industrial, etc) and amount _____

b. Name of water body into which effluent will be discharged _____

13. Is subsurface liquid waste disposal involved? Yes No Type _____

14. Will surface area of an existing water body increase or decrease by proposal? Yes No

If yes, explain:

15. Is project or any portion of project located in a 100 year flood plain? Yes No

16. Will the project generate solid waste? Yes No

a. If yes, what is the amount per month? _____ tons

b. If yes, will an existing solid waste facility be used? Yes No

c. If yes, give name _____; location _____

d. Will any wastes not go into a sewage disposal system or into a sanitary landfill? Yes No

e. If yes, explain:

17. Will the project involve the disposal of solid waste? Yes No

a. If yes, what is the anticipated rate of disposal? _____ tons/month.

b. If yes, what is the anticipated site life? _____ years.

18. Will project use herbicides or pesticides? Yes No

19. Will project routinely produce odors (more than one hour per day)? Yes No

20. Will project produce operating noise exceeding the local ambient noise levels? Yes No

21. Will project result in an increase in energy use? Yes No

If yes, indicate type(s)

22. If water supply is from wells, indicate pumping capacity N/A gallons/minute.

23. Total anticipated water usage per day N/A gallons/day.

24. Does project involve Local, State or Federal funding? Yes No

If yes, explain: