



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF NATURAL RESOURCES & ENVIRONMENT
LANSING



DAN WYANT
DIRECTOR

June 4, 2012

Mr. Ross Schnepf
SST Environmental, LLC
2000 East Superior Street
Alma, Michigan 48801

Dear Mr. Schnepf:

SUBJECT: SST Environmental, LLC Septage Waste Receiving Facility - Alma, Michigan
Operating Plan Approval and Construction Approval

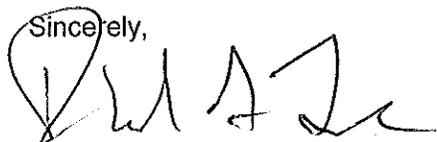
On Thursday May 10, 2012, a construction inspection of the recently completed SST Environmental, LLC, Septage Waste Receiving Facility (SWRF) was completed by this office and staff representatives of the Mid-Michigan District Health Department and Central Michigan District Health Department. Based on the results of that inspection and review of your operating plan you were given authorization to immediately begin receiving septage waste consistent with the provisions of your operating plan. This correspondence formally reaffirms that authorization.

The Department of Environmental Quality (DEQ) review of your Septage Waste Receiving Facility (SWRF) operating plan was to ensure that the plan addressed all of the required elements of Part 117, Septage Waste Servicers, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Part 117). The SST Environmental SWRF operating plan is approved.

The SST Environmental SWRF operating plan will be posted on the Septage Waste Program webpage and can be viewed at www.michigan.gov/septage and then by clicking on the "Approved Septage Waste Receiving Facility Operating Plans" link.

Please be advised that the SST Environmental SWRF must operate in accordance with the approved plan. If a change in operations or conditions (such as a change in disposal fees) is anticipated, please file an amendment to the plan at least 30 days prior to the proposed date for implementation and mail to the DEQ for review and posting.

If you have any questions regarding this matter, please feel to contact me by phone; fax at 517-373-4051, e-mail at falardeaur@Michigan.gov ; or by mail at Septage Waste Program, Solid, DEQ, Resource Management Division, Solid Waste and Land Application Section, On-Site Wastewater Unit, P.O. Box 30241, Lansing, Michigan, 48909-7741.

Sincerely,


Richard A. Falardeau, P.E., Chief
On-Site Wastewater Unit
Solid Waste and Land Application Section
Resource Management Division
517-241-1345

cc: Mr. Lonnie Smith, R.S., Mid-Michigan District Health Department, Stanton
Mr. Greg Price, Mid-Michigan District Health Department, Ithaca
Mr. Scott Jones, Central Michigan District Health Department
Ms. Mary Vanderlaan, Water Resources Division, DEQ-Lansing
Mr. Matt Campbell, DEQ
Mr. Ebi Burutolu, DEQ

Falardeau, Ric (DEQ)

From: Campbell, Matthew (DEQ)
Sent: Thursday, May 10, 2012 3:24 PM
To: 'SchneppRK@yahoo.com'
Cc: Burutolu, Ebinimi (DEQ); Falardeau, Ric (DEQ); 'gprice@mmdhd.org'; 'smith@mmdhd.org'
Subject: SST Environmental, LLC - SWRF

Ross and Kim,

Based on today's inspection the DEQ is authorizing the immediate use of your newly constructed septage waste receiving facility (SWRF).

You will be receiving a more formal document in the near future confirming DEQ authorization of your SWRF. Also, the SST operating plan will be posted on the program website as well.

If you have any questions about this matter please feel free to call or write to me.

Matt

Matthew Campbell
Environmental Quality Specialist
Solid Waste & Land Application Section
Resource Management Division - DEQ
517-335-4178
www.michigan.gov/septage

SST ENVIRONMNETAL, LLC.
SEPTAGE RECEIVING AND TREATMENT FACILITY
Alma, MI

Operating Plan
January 2012

Owner: SST Environmental, LLC.
2000 E. Superior St.
Alma, MI 48801

Operator: Security Septic Tanks, Inc.
2000 E. Superior St.
Alma, MI 48801

Facility Location: 2000 E. Superior St.
Alma, MI 48801

1.0 Purpose:

SST Environmental, LLC. is a privately held enterprise formed for the purpose of providing treatment of household domestic and municipal wastewater treatment plant biosolids in an arrangement of vessels designed specifically to treat the material to a level acceptable for discharge to a municipal Wastewater Treatment Facility. This facility, located in Alma, Michigan, discharges its treated effluent to the Alma wastewater treatment plant via existing sanitary sewers under contract with the City of Alma sewer collection system.

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2.0 Acceptable Material:

2.1 Material Type:

Material not listed in paragraph (a) below will require prior approval from the facility operator in order to discharge into the SST Environmental receiving facility.

(a) Acceptable Materials:

- I. Domestic septage, including septic tank and holding tank material consisting solely of sanitary sewage.
- II. Portable toilet wastes.
- III. Wastewater Treatment Plant Biosolids.
- IV. Food establishment septage consisting of grease trap material.

(b) Conditionally Acceptable Materials:

- I. Other biologically treatable materials not listed in paragraph (a) above.

(c) Unacceptable Materials:

- I. Petroleum laden waters and wastewaters.
- II. Waters containing chlorinated solvents
- III. Waters containing certain high metal concentrations such as from, but not limited to, metal plating operations.

2.2 Conditions of Acceptance

(a) A load manifest clearly indicating an invoice number and type of material (e.g. septage, F.E.S., or holding tank material) will accompany all delivered materials meeting the facility operator's acceptance.

(b) All loads must be paid for in advance, prior to transferring the delivery of septage. The hauler will have established an account in advance, with a sufficient cash balance for the quantity of septage to be delivered.

(c) Any cost incurred by the SST Environmental facility for clean-up, equipment damage, permit violations, discharge violations or other damages due to materials delivered to SST Environmental without the facility operator's approval or for materials delivered that were not as stated on manifests will be borne upon the hauler. All haulers will be required to agree to contract terms prior to discharging to the SST Environmental facility.

3.0 Hours of Operation:

Normal operating hours for accepting materials are 8:00 a.m. to 5:00 p.m. Monday through Friday, except holidays. Emergency and after hours appointments available by appointment.

4.0 Service Area:

SST Environmental will service haulers within a 25 mile radius of the facility on a contractual basis. SST Environmental will service haulers from other areas based on the capacity of the facility.

5.0 Fee Structure:

- 5.1 A fee charged to the hauler has been initially established at a flat rate of \$.06 per gallon received.
- 5.2 Food established septage has been established at a flat rate of \$.10 per gallon received.

6.0 Facility Capacity:

SST Environmental is permitted by the City of Alma for a hydraulic capacity of 30,000 - 50,000 gallons per day (gpd).

7.0 Facility Features:

SST Environmental Receiving and Treatment Facility Primary features or facility components:

- 7.1 Receiving: Deliveries are received at a heated, enclosed structure with a partitioned, indoor drive-through lane for septage delivery vehicles. Haulers access the indoor receiving point by use of an access card. A hauler simply inserts the card into the card reader located on the exterior of the building, allowing entrance into the facility. Once entered, the hauler connects the delivery truck to the Septage Receiving Station via cam-lock couplings. After the hauler hooks to the cam-lock, and during discharge, the hauler will draw a sample via the sample port. The hauler will then label the sample and deliver it to the designated sample collection area. The Receiving Station provides grinding and dewatering of removed inorganic solids for landfill disposal. As the truck discharges, the Receiving Station automatically tallies the flow. Questions regarding the delivery process can be answered by the on-site facility operator.
- 7.2 Equalization Tanks: After flow measurement, and grinding, material is sent directly to a 40,000 gallon holding / mixing tank.
- 7.3 As septage is pumped from the 40,000 gallon holding tank,

polymer is added to aid in the separation process.

- 7.4 After the polymer is has been mixed, the septage is then pumped into a dewatering system. The effluent from the dewatering system is pumped into a 40,000 gallon holding tank and continues settling before discharge to the City waste water system.
- 7.5 The solids will be hauled to a landfill until a dryer can be installed to produce a class "A" biosolids.
- 7.6 Effluent Discharge : SST Environmental will provide an effluent with waste strength characteristics equal to or less than that seen in typical domestic household waste stream.

8.0 Facility Staffing:

The Septage Receiving Facility will be staffed during normal business hours and at other times when receiving septage. An attendant will be on site during unloading operations. The attendant will be responsible for monitoring the unloading operation and checking the delivered material for contamination that cannot be treated within the plant as currently configured.

9.0 Truck Traffic:

SST Environmental is located in a commercial/industrial zoned location within the Alma City Limits, and anticipated truck traffic is within accepted uses.

Security Septic Tanks, Inc

2000 E. Superior St.

Alma, Mi 48801

989-463-2212

or

989-833-7319

or

989-773-2309