



STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



JENNIFER M. GRANHOLM
GOVERNOR

STEVEN E. CHESTER
DIRECTOR

November 25, 2008

Mr. Dan Robb
Village of Prescott Septage Receiving Facility
4860 Black Road
P. O. Box 323
Prescott, Michigan 48756

Dear Mr. Robb:

SUBJECT: Village of Prescott Septage Receiving Facility Revised Operating Plan Approval

The Department of Environmental Quality (DEQ), Water Bureau, Drinking Water and Environmental Health Section, On-Site Wastewater Unit's, review of the Village of Prescott Septage Receiving Facility modified operating plan is complete. The plan meets the requirements outlined in Section 11715b of Part 117, Septage Waste Services, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Therefore, the operating plan is approved.

The receiving facility must operate in accordance with the approved plan. If a change in operations or conditions is anticipated, please file an amendment to the plan at least thirty (30) days prior to the proposed date for implementation.

The approval of the Village of Prescott septage waste receiving facility operating plan does not relieve the village from having to comply with Part 31 and Part 41 requirements concerning plant design and operation.

Thank you for your continued environmental stewardship and service to those with on-site septic systems in and around your community. If you have any questions regarding this matter, please contact me.

Sincerely,

James Lahti
Drinking Water and Environmental Health Section
Lansing Operations Division
Water Bureau
517-241-1392

JWL:saw

cc: Mr. Douglas Getty, District Health Department No. 2, Ogemaw County
Mr. Jon Bloemker, DEQ
Mr. Thomas McDowell, DEQ

From: Daniel Robb <daniel.robb@yahoo.com>
To: Matthew Campbell
Subject: Village of Prescott, Nov 2008 Septage Rec Plan

Matt,

Please accept this modified septage receiving plan on behalf of the Village of Prescott. We feel that this revised plan better protects the Village's interest. Our district office has reviewed the updated plan.

Please let us know if you have questions or require additional information. We can be reached at (989) 873-5675.

Dan Robb

>>> Dan Robb <daniel.robb@yahoo.com> 11/12/2008 3:59 PM >>>

Village of Prescott

Village of Prescott Wastewater Treatment Facility

Septage Receiving Operating Plan

November 2008

Facility Location and Background

Village of Prescott Septage Receiving Facility is located at 4860 Black Road, Prescott Michigan 48756 at the Village's Wastewater Treatment Facility. The Village's Wastewater Treatment Facility is a continuous flow activated sludge treatment facility which was constructed in 2005 to replace a failed recirculating filter treatment system.

The following is the treatment facility's basis of design and current hydraulic organic loadings:

	<u>Basis of Design</u>	<u>Current Loadings</u>
Flow	0.03 MGD	0.01 MGD
Peak Flow	0.06 MGD	0.03 MGD
BOD-5	225 mg/l	85 mg/l
S.S.	220 mg/l	108 mg/l
NH ₃ N	35 mg/l	30 mg/l
PO ₄	6 mg/l	4.5 mg/l

The Village will utilize the tanks at the treatment facility with a 0.06 MGD capacity to receive, screen, and aerate domestic septage prior to further treatment through the wastewater treatment plant. The receiving facility will be accepting septage waste from approved and permitted septage haulers Monday through Friday from 7 AM to 4 PM. Occasional weekend hours may be permitted in special circumstances; however if septage is received during weekend hours the treatment facility will be staffed.

Operations

The Village President, the Village Board, or their duly authorized representative shall be the contact person for all issues in regards to this plan or septage hauling at the Village's Septage Receiving Facility and/or wastewater treatment facility.

The Village of Prescott Septage Receiving Facility may accept up to 6,000 gallons per day of domestic septage. The Village is not exercising its right to require septage haulers to use the facility at this time.

The mechanical equipment process chemicals (polymer), laboratory equipment supplies, washed and compacted screenings, and dehydrated solids will be housed in a heated building.

Odors

Odors are not expected to be a problem as the dumpsite and treatment facility are located more than 800 feet from a residence. Also, the septage will be subject to dilution and will receive aeration for odor reduction. In the event that odors become a problem it will be addressed at that time.

Solids Handling

The septage receiving facility includes mechanical screening of septage prior to being aerated in a 35,000 gallon underground storage tank. The screenings will be washed and compacted prior to being discharged to a commercial refuse box. The aerated septage will then be mechanically dewatered utilizing a volute dehydrator. Filtrate water low in organics and solids discharged from the dehydrator will be treated in the wastewater treatment facility. The solids cake from this process will be stored on a concrete pad capable of containment, to prevent runoff, and eventually be applied to agricultural land (in accordance with biosolids regulations) or disposed of in a landfill (via a commercial non-hazardous waste hauler).

Sampling

Sampling of septage will be done on individual septage trucks or storage tanks by means of grab samples or as composite samples from the same tank. If multiple loads are being received that are anticipated to have similar compositions; a composite sample may be taken to characterize the waste as a whole.

Sampling will be performed on every load of domestic septage received during initial start-up of the septage receiving facility. Once each septage hauler has established a good reputation and has an ample amount of data on file the sampling requirements may be lessened. Once a working relationship has been established the sampling will be performed on a random basis to be determined by the facility operator. The frequency of sampling will not be reduced to less than once per quarter for any particular hauler.

Once it has been established that the facility is operating properly, while accepting septage, wastes other than domestic septage may be considered to be treated at the facility. Prior to any wastes other than domestic septage being received the waste will be characterized by composite sampling to determine if it may be accepted. Prior to receiving wastes other than domestic septage the Village will consult with its Michigan Department of Environmental Quality (MDEQ), Water Bureau (WB) district representative and receive written approval prior to accepting such wastes. In the event that the Village receives wastes other than domestic septage on a routine basis this Septage Receiving Operating Plan will need to be modified.

The cost of sampling is the responsibility of the septage hauler being sampled. This fee will be in addition to the fee structure for receiving and treating the septage. The current fee has been established to be \$0.045/gallon. This fee is based upon the current operations and maintenance cost of the septage receiving and treatment facility, the debt retirement cost and competitors prices. The rate may be adjusted as necessary to make the operation self-supportive. The Village will give its permitted septage haulers a 30 day notification of the intention to raise fees. Invoices will be sent on a monthly basis.

The facility will maintain files for each septage hauler. These files shall contain septage receiving information and sampling records results including but not limited to: dates septage was received, volume of septage received, source of septage, sample type, sample date, individual collecting sample, sample data and any identified problems. The Village will keep this documentation for a minimum of three years.

Septage haulers will be required to abide by the following guidelines:

1. Prior to discharging septage to the Village's facility; apply for a "Permit to Discharge Septage" (See the attached Attachment A).
2. Septage haulers may only haul and/or discharge domestic septage to the Village's Septage Disposal Site. Domestic septage means septage from residential households.

No other wastes are being accepted at this time.

Wastes that are specifically not being accepted include, but are not limited to:

- Food Establishment Septage
- Portable Toilette Wastes, which contains biocides.
- Septage which is above the receiving criteria listed in Attachment B; septage above this criterion is considered to be above outside of normal residential ranges/concentrations for pH, temperature, grease and/or solids (s.a. sand, rock, grit and plastics).
- Septage that contains toxics, which may affect the downstream processes at the wastewater treatment plant, pass through the treatment plant, or interfere with the biological processes including but not limited to dissolved organic compounds or metals.

Federal regulations [40 CFR 403.5 (a.1)] prohibit non-domestic discharges of pollutants to a POTW, regardless of their mode of entry, that would cause pass through or interference. Waste hauler discharges to a POTW, fall within the scope of the General Pretreatment Regulations [40 CFR 403.8 (f) (1) and (2)]. These prohibitions apply not only to toxic pollutants, but also to excessive concentrations of conventional and non-conventional pollutants. In addition, if the load has originated from a categorical industry, it remains subject to EPA's categorical pretreatment standards, (i.e., it cannot be introduced into the POTW unless it has been treated to the level prescribed by the applicable categorical standards). If the hauled waste received by a POTW is a "hazardous waste" as defined under the Federal Resource Conservation and Recovery Act (RCRA), the POTW must comply with additional Federal requirements. For a complete discussion of the legal, administrative, and technical methods of controlling hauled hazardous wastes, see the "EPA Guidance Manual" or the "Identification of Hazardous Wastes Delivered to Publically Owned Treatment Works by Truck, Rail, or Dedicated Pipeline".

*At a future date case by case approval to haul and/or discharge septage other than residential septage may be given.

3. The septage hauler will be required to fill out and sign the Discharge Data Form (Attachment C) prior to discharging septage to the Village's Septage Receiving Facility. This form shall include information pertaining to the source(s), type(s) and volume(s) of septage. This form will need to be signed stating that the hauler has accepted no wastes other than those listed. Failure to accurately record every load, falsification of data or failure to transmit a Source Information List to the plant operator prior to each discharge may result in revocation of the "Permit to Discharge".
4. On every occasion septage may only be discharge to the Septage Receiving Facility when the operator of the facility is present and after permissions to discharge have been given.

Village of Prescott

Permit to Discharge Septage

Permit #: _____

Date Issued #: _____

Quantity & Frequency Approved: _____

Signature of Village Representative: _____

In accordance with the provisions of the Village of Prescott's Septage Receiving Facility "Wastewater Sewer Ordinance":

Septage Hauler (Company Name):

Owner / Operator (Name of individual in charge of company)

Address:

Phone:

Signature (Owner / Operator):

Signing and acceptance of this document indicates that the company listed above and its employees have received, read, and understand the Village of Prescott's Septage Receiving Operating Plant. It is understood that the rules, as outline in the Septage Receiving Operating Plan will be strictly adhered to. Any noncompliance with these rules may result in revocation of this permit, monetary penalties/fees, or legal actions.

5. The facility operations staff can halt discharges for any reason at anytime.
6. Each septage hauler shall be responsible for their own housekeeping duties; which includes cleaning up spills, rags, sand, plastics, or debris. Any costs incurred by the Village due to sloppy practices will be billed to the Septage Hauler in the monthly invoice.
7. Each septage hauler shall be required to retain records of all monitoring information, Source Information Lists, copies of all reports required by the "Permit to Discharge", and records of all data pertaining to hauled loads for a period of at least three years.
8. If a septage hauler causes any adverse impact to the Septage Receiving Facility or the wastewater treatment plant due to non-compliance with the Septage Receiving Operating Plan or negligence the Village reserves its right to taken necessary legal actions for cost recovery purposes.
9. Failure to stay current on paying fees and sampling costs will result in revocation of the "Permit to Discharge Septage".

Village of Prescott

Septage Receiving Criteria

The Village of Prescott Septage Receiving Facility will not accept septage which is above the following criteria. Values outside of these ranges are considered to be outside of normal residential ranges/concentrations for pH, temperature, grease and/or solids (s.a. sand, rock, grit and plastics).

	<u>Minimum Value</u>	<u>Maximum Value</u>
pH	5.0 S.U.	10.0 S.U.
Temperature		110° F
Grease		
Solids		
Any other???		

Village of Prescott

Septage Discharge Data Form

This form must be filled out and signed prior to septage being discharged to the Village of Prescott's Septage Receiving Facility. Signature of septage hauler indicates that the information provided is factual and in compliance with the Septage Receiving Operating Plan and the hauler's Permit. Signature of the Plant Operator indicates that the information provided is in compliance with the program requirements and is not anticipated to cause plant upsets of violations of federal, state, or local regulations. Failure to accurately record every load, falsification of data, or failure to transmit a Source Information List to the plant operator prior to each discharge may result in revocation of the "Permit to Discharge".

Date:

Septage Hauler	Source(s): SIL attached?	Type	Volume	Hauler Signature	Operator Signature	Sample(s) Collected?