



JENNIFER M. GRANHOLM
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENVIRONMENTAL QUALITY
LANSING



STEVEN E. CHESTER
DIRECTOR

June 14, 2007

Mr. Donald P. Keith, Board Chairperson
Keweenaw County Board
5095 Fourth Street
Eagle Harbor, Michigan 49950

Dear Mr. Keith:

The Department of Environmental Quality, Water Bureau, Drinking Water and Environmental Health Section, On-Site Wastewater Unit, review of the Keweenaw County, Mount Horace Greeley final septage receiving facility operating plan is complete. The plan meets the requirements outlined in Section 11715b of Part 117, Septage Waste Servicers, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended. Therefore, the operating plan is **approved** with the following caveats:

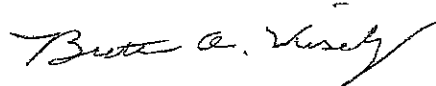
- The facility is limited to accepting a volume of septage per day that equates to a loading rate of 20 pounds of Biochemical Oxygen Demand (BOD) per surface acre per day. Proper documentation must be maintained on-site or with the chief operator and be accessible upon request.
- The facility must be operated and maintained in accordance with NPDES permit requirements and good practices as a regular operating wastewater treatment plant (the facility was previously only required to perform minimal maintenance).
- Loads should be periodically sampled to determine actual BOD loading rates.

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.

Mr. Donald P. Keith, Board Chairperson
Page 2
June 14, 2007

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,



Brett A. Wiseley
On-Site Wastewater Unit
Drinking Water and Environmental
Health Section
Lansing Operations Division
Water Bureau
517-241-1452

BAW:ckp

cc: Mr. Christopher L. Holmes, U.P. Engineering
Ms. Lynne Tarbutton, Western Upper Peninsula
District Health Department
Mr. Steve Casey, DEQ
Ms. Kristen Mariuzza, DEQ

RECEIVED

JUN 22 2007

MDEQ UP DISTRICT OFFICE



DEQ Septage Receiving Facility Checklist

Name of Septage Receiving Facility:

DEQ Reviewer: **BAW**

Keweenaw Co. -

Review Date: **5/30/07**

Mount Horace Greeley Facility

Approved

Address of Septage Receiving Facility:

Gratiot Lake Road

Eagle Harbor Township

Facility Contact: **Donald B Keith**

Kew. Co. Board Chairman

Telephone Number: 906-337-1625

The following information must be submitted in the Operation Plan in order to receive DEQ approval:

<u>Requirement</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
1. Location of septage RF.	X		
2. Hours of operation.	X		8-5 M-F
3. Categories of septage waste the RF will receive.	X		Domestic wst + FES 1:3
4. If food establishment septage is accepted, how is the RF ensuring that the FES meets the 1:3 ratio mandated by law? (Not OP req't.)	X		Spelled out, op on duty.
5. *Fee structure charged to hauler.	X		
6. *Service area (septage acceptance) description of RF defined in detail.	X		Described as 15 miles, will accept all from county.
7. Notice of proposed operation plan:			
a) Was it mailed to county HD and legislative body of each city, village and township located in whole or in part of the service area?	X		

Septage Receiving Facility Checklist

Name of Septage Receiving Facility:

<u>Requirement</u>	<u>Yes</u>	<u>No</u>	<u>Comments</u>
7. Notice of proposed op. plan, continued:			
b) Was it public noticed in the local newspaper?	X		
c) Was it posted on the facility website?		N/A	
8. Did the notice contain the following?			
a. Statement that the RF proposed to or is currently receiving and will continue to receive septage waste for treatment.	X		
b. Statement in the notice that the proposed operating plan is available for review during normal work hours.	X		
c. A request for written comments on the proposed operation of the RF and the deadline for receipt of such comments, which shall not be less than 30 days after publication, posting, or mailing of the notice.	X		
d. Receiving facility capacity.			
I) Hydraulic capacity:	X		
II) Organic capacity:	X		Questions to be resolved by district.
*III) Wet weather operation considerations (CSO & SSO)			n/a
9. Other conditions established for the RF.	X		dilution water, right to dispose, random testing, termination.

*5. Fee structure - must be justified and reasonable in accordance with standard accounting practices.

*6. This should be both written and illustrated on a map of the area. The service area information should include whether or not there is a county ordinance that also defines what they can or can't



U.P. ENGINEERS & ARCHITECTS, Inc.

ENGINEERING ARCHITECTURE PLANNING SURVEYING ENVIRONMENTAL

[K01-27178]

Reply: Houghton

May 7, 2007

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MICH DEPT OF ENVIRONMENTAL QUALITY

MAY 16 2007

Water Division
Groundwater Section
WELL CONSTRUCTION UNIT

Brett Wiseley
Septage Waste Program
Water Bureau - Department of Environmental Quality
Constitution Hall, Second Floor - North
525 West Allegan Street
P.O. Box 30273
Lansing, MI 48909

**RE: SEPTAGE RECEIVING FACILITY OPERATING PLAN
KEWEENAW COUNTY - MOUNT HORACE GREELEY FACILITY**

Mr. Wiseley:

On behalf of Keweenaw County, please find enclosed their proposed Septage Receiving Facility Operating Plan. The operating plan was developed per the requirements outlined in the MDEQ letter dated June 9, 2005.

In addition, please find enclosed an affidavit of publication for the public notice, and an example letter sent to the Western Upper Peninsula District Health Department (WUPDHD) and the legislative body of each city, village, and township located in the proposed septage receiving service area.

If you have any questions, please do not hesitate to call.

Sincerely,

Christopher L. Holmes, P.E.
Civil Engineer

CLH:akw
Enclosure

Cc: Rich Harrer (w/encl.)
Keweenaw County (w/encl.)
File (w/encl.)

**KEWEENAW COUNTY
MOUNT HORACE GREELEY
SEPTAGE RECEIVING FACILITY OPERATING PLAN**

Keweenaw County proposes to receive domestic septage waste at its Mount Horace Greeley facility to serve the residents of its service area as defined herein.

Receiving Facility Location

Keweenaw County will accept septage at their wastewater treatment facility located at Mount Horace Greeley, Gratiot Lake Road, Eagle Harbor Township, Michigan. Septage will be accepted for treatment into the existing manhole immediately upstream of the flow measuring manhole. Contingency locations for septage discharge are Lagoon 1 or Lagoon 2.

Hours of Operation

Keweenaw County will accept septage Monday through Friday from the hours of 8:00 am to 5:00 pm, for assistance call (906) 289-4511. In case of an emergency, arrangements may be made by calling the Keweenaw County Sheriffs Department at (906) 337-0528.

Acceptable Categories of Septage

Keweenaw County will accept the following categories of septage waste:

Domestic Septage – the septage pumped from home septic tanks, recreational vehicles (RV), cesspool, portable toilet, type III marine sanitation device, or similar storage or treatment works that receives only domestic sewage.

Food Establishment Septage – material pumped from a grease interceptor, grease trap, or other appurtenance used to retain grease or other fatty substances contained in restaurant wastes and that is blended into a uniform mixture, consisting of not more than 1 part of that restaurant-derived material per 3 parts of domestic septage, prior to disposal at the receiving facility.

Fee Structure

The fee structure for septage discharge into the Keweenaw County Mount Horace Greeley treatment facility is as follows:

- \$60.00 per 1,000 gallons or less of septage in a single load, charges for amounts in excess of the minimum 1,000 gallons per single load will be prorated per each additional hundred gallons at the rate of \$6.00 per hundred gallons.

Loading Capacity

Keweenaw County has adequate hydraulic and organic treatment capacity to accept septage. The design receiving capacity of wastewater at the Mount Horace Greeley treatment facility is 50,810 gallons per day, with a current average daily flow of approximately 8,875 gallons per day. The design BOD loading is calculated to be 86 lbs/day or 602 lbs/week. The anticipated average weekly flow of septage to be received is 5,200 gallons. Peak daily septage volume accepted is anticipated to be approximately 6,000 gallons per day. Based on the design BOD loading, the lagoons have organic capacity to accept 10,000 gallons of septage per week.

Service Area

The service area of the Keweenaw County treatment facility is defined on the attached map. The service area is described as any location in Keweenaw County within 15 radial miles of the Mount Horace Greeley facility.

Keweenaw County may accept septage from areas within Keweenaw County, outside the service area as defined above, on a case by case basis.

Other

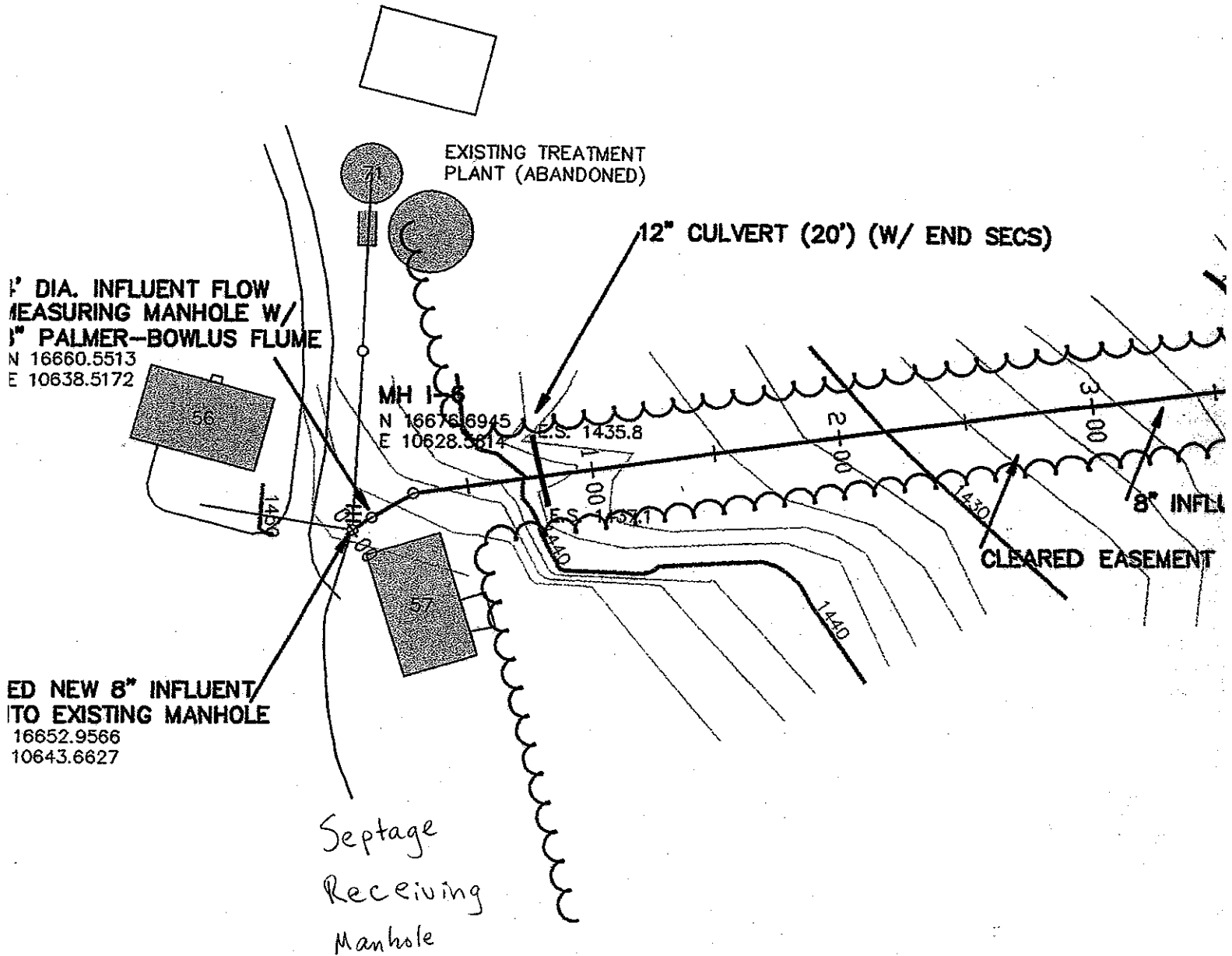
Any hauler found disposing of any substance other than domestic septage or food establishment septage may lose their right to dispose of septage at the Keweenaw County Mount Horace Greeley receiving facility.

All haulers discharging greater than 1,000 gallons of septage in a given day shall be required to discharge 3,000 gallons of non-septage liquid (i.e. water) at the end of that day.

All haulers shall submit to random testing of their septage loads as requested by Keweenaw County. Any problems encountered as a result of said sampling may result in the hauler losing their right to dispose of septage at the receiving facility.

Keweenaw County reserves the right to limit/terminate the amount of gallons of septage accepted by the Mount Horace Greeley receiving facility for treatment and disposal by Keweenaw County.

KEWEENAW ACADEMY
(FORMER CALUMET AIR FORCE STATION)



12" DIA. INFLUENT FLOW
MEASURING MANHOLE W/
12" PALMER-BOWLUS FLUME
N 16660.5513
E 10638.5172

NEW 8" INFLUENT
TO EXISTING MANHOLE
N 16652.9566
E 10643.6627

Septage
Receiving
Manhole



COUNTY OF KEWEENAW
COURTHOUSE
UNIT 1 BOX 7 • EAGLE RIVER, MICHIGAN 49924

TREASURER
337-1625
EQUALIZATION DEPT.
337-3471
SHERIFF
337-0528
CLERK/REGISTER
OF DEEDS
337-2229

March 30, 2007

Ms. Lynne Tarbutton
Western Upper Peninsula District Health Department
540 Depot Street
Hancock, Michigan, 49930

RE: KEWEENAW COUNTY SEPTAGE PLAN

Dear Ms. Tarbutton:

The Keweenaw County Board has adopted a formal Septage Receiving Facility Operating Plan per MDEQ requirements for the Mount Horace Greeley treatment facility. This plan sets policies and procedures for Keweenaw County to accept pumped septage from the haulers who pump out septic tanks in our area. A copy of the plan and a service area map is enclosed for your information.

The plan defines the service area for receiving septage. This area is generally the entire Keweenaw County proper. Septage from outside the service area will be accepted on a case by case basis.

If you have any questions or need more information, please call.

Sincerely,

Donald B. Keith
Keweenaw County Board Chairman

AFFIDAVIT OF PUBLICATION

IN THE MATTER OF NOTICE OF PROPOSED SEPTAGE RECEIVING FACILITY OPERATING PLAN
KEWEENAW COUNTY - MOUNT HORACE GREELEY FACILITY

STATE OF MICHIGAN

COUNTY OF HOUGHTON SS

YVONNE ROBILLARD

Being first duly sworn, says that he/she is the agent of the Publisher of The Daily Mining Gazette, a newspaper published in the English language for the dissemination of local or transmitted news and intelligence of a general character and legal news, which is a duly qualified newspaper, and that annexed hereto is a copy of a certain order taken from said newspaper in which the order was published on the following dates:

MARCH 30, 2007

**NOTICE OF PROPOSED SEPTAGE
RECEIVING FACILITY OPERATING PLAN**

KEWEENAW COUNTY - MOUNT HORACE GREELEY FACILITY

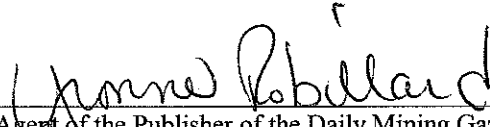
The Keweenaw County - Mount Horace Greeley facility proposes to receive domestic septage waste on a limited basis in accordance with the developed operating plan.

The operating plan includes and describes: the location, hours of operation, types of septage waste accepted, fee structure, service area, and the conditions applicable to the receipt and acceptance of septage waste.

Copies of the proposed septage receiving facility operating plan have been submitted to all communities located within Keweenaw County Court House located at 5095 Fourth Street, Eagle River, MI 49950, between 9:000 a.m. to 4:00 p.m., Monday through Friday.


Written comments concerning this plan should be submitted by April 30, 2007, to attention of:

Mr. Donald B. Keith
Keweenaw County Board Chairperson
5095 Fourth Street
Eagle Harbor, MI 49950


Agent of the Publisher of the Daily Mining Gazette

Subscribed and sworn before me this 2nd

Day of April A.D., 2007


Notary Public, Houghton County, Michigan

Acting in and for the County of Houghton Michigan

CATHERINE O'CONNELL RICCI
NOTARY PUBLIC, STATE OF MI
COUNTY OF HOUGHTON
MY COMMISSION EXPIRES Aug 18, 2012