Public Health, Delta & Menominee Counties

Application for On-Site Sewage Treatment/Disposal System and/or Well Construction Permit

Permit # _____

2920 College Avenue, Escanaba, MI 49829
Ph: (906)786-9692 – Fax: (906)789-8147

www.phdm.org

909 Tenth Avenue, Menominee, MI 49858
Ph: (906)863-4451 – Fax: (906)863-7142

☐ **On-Site Sewage Treatment/Disposal System** $_____ ☐New ☐Replacement ☐Vaulted Privy ☐Earthen Privy ☐Tank Only

OSTDS Installer_____

☐ **Well Construction** $_____ ☐New ☐Replacement ☐Type III

Well Driller_____

Property Owner	Home Phone Number	Cell Phone Number
Mailing Address		City/State/ZIP
Property Address ☐ (Check box if same as mailing address)		City/State/ZIP
Legal Description of Property T._____N R._____W Section_____	¼ ¼ ¼	Township
Property Tax ID#	# of Bedrooms	# of Garbage Grinders
Directions		
Applicant's Signature		**Date**

☐ I have been provided with a copy of PHDM's On-Site Sewage Treatment/Disposal Process which includes site evaluation procedures and information.

Date_____ Fee Paid $_____ ☐ Cash ☐ Check#_____ Receipt#_____ Initials_____

FOR OFFICE USE ONLY

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On-Site Sewage Treatment/Disposal System Process

1. APPLICATION

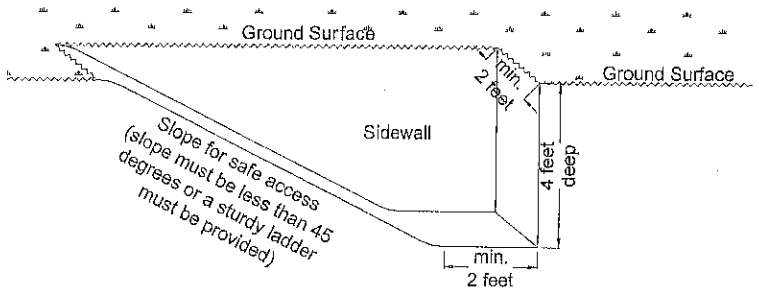
Submit a completed Raw Land Evaluation or On-Site Sewage Treatment/Disposal System (OSTDS) Replacement Permit Application and appropriate evaluation fee. A complete application includes: Names, addresses and phone numbers of current property owner and purchaser, property tax identification number, accurate legal description, directions to the property and applicant's signature.

A copy of all Raw Land Evaluations applications will be forwarded to the Delta County Soil Conservation District. You may be contacted by the District to determine whether a Soil Erosion/Sedimentation Control permit is required for your project.

2. SITE EVALUATION

Environmental Health Staff will contact the applicant to arrange an appointment to conduct a site evaluation.

- **Backhoe cuts will be required to provide soil test pits, unless otherwise specified by Public Health.**
- **Soil test pits must be a minimum of 2'(W) x 2'(L) x 4' (D) as shown on the drawing below. Note: If water is encountered, do not continue digging.**
- **Whenever possible, arrangements should be made to have the backhoe and operator present during the evaluation.**
- **PHDM must be able to safely access the sidewall area to evaluate the soil.**
- **A minimum of 2 test pits must be provided in the area of the proposed drainfield.**
- **Test pits should be approximately 50 feet apart.**
- **It is the applicant's responsibility to provide the soil test pits. If test pits are not provided in accordance with these requirements and a determination of the soil cannot be made, or if additional test pits are necessary and an additional site visit is made the applicant must reapply and pay another evaluation fee.**



SOIL TEST PIT REQUIREMENTS

IT IS THE APPLICANT'S RESPONSIBILITY TO CONTACT MISS DIG AT 1-800-482-7171 AND ASSURE UNDERGROUND UTILITIES ARE LOCATED. UNDERGROUND UTILITIES MUST BE FLAGGED AT LEAST TWO DAYS PRIOR TO THE SCHEDULED APPOINTMENT.

During the site evaluation, the Environmental Health Specialist will determine if the site is suitable for the installation of an on-site sewage treatment/disposal system (OSTDS). For a site to be considered suitable, it must meet the minimum site requirements set forth in Section 5.7.1 of the Delta-Menominee District Health Department Sanitary Code. Section 5.3.2(5) of the Sanitary Code states, "The Health Officer shall not issue a construction permit for any OSTDS which does not meet minimum criteria set forth in Section 5.7." Section 5.7.1 of the Sanitary Code is printed on the back of this sheet.

3. OUTCOME

A written soil boring report will be provided or an OSTDS construction permit will be issued to the applicant following the site evaluation. The soil/site evaluation will remain valid for five years from the date of evaluation; a permit will remain valid for two years from the date of issuance.

In the case of an OSTDS repair, the Environmental Health Specialist will determine if a replacement OSTDS may be constructed on the site and a permit may be issued to the applicant.

If a permit is issued, the applicant will be notified upon its completion. Payment of the appropriate permit fee and applicant's signature are required prior to release of the permit. Permits cannot be issued through the mail.

4. INSPECTION

After construction of the OSTDS and prior to back filling, contact Public Health for an inspection of the completed system.

REFUND POLICY:

There will be no refunds for permits and/or Environmental Health services when field work has been conducted by staff. Refunds will be approved less $10.00 when no action has taken place by Public Health.

SECTIONS 5.7.1 DELTA & MENOMINEE COUNTIES SANITARY CODE

5.7.1 MINIMUM SITE REQUIREMENTS:

1. Conventional and Pressure Distribution OSTDS

Prior to an OSTDS construction permit being issued the proposed location must meet the following requirements.

A. The permeability of the soil shall not exceed forty-five minutes per inch (45 min/in).

B. The permeability of the soil shall not be less than three minutes per inch (3 min/in).

C. The effective soil depth must be a minimum of twenty-four inches (24") from natural grade in stratified sand and gravel, medium sand; eighteen inches (18") in fine sand, loamy sand; twelve inches (12") in sandy loam, loam, silt loam, sandy clay loam.

D. All of the minimum effective soil depth requirements must be confirmed by a soil profile with at least six inches of effective soil depth without features of seasonal high water below the topsoil (A horizon). The Department may consider alternate methods proposed by a soil scientist, licensed professional engineer, registered sanitarian or other professionals approved by the Department to confirm the effective soil depth.

E. The natural slop does not exceed twelve percent (12%). If slopes greater than 12% exist, the Department may require the submission of a detailed development plan by any
   1. A licensed professional engineer
   2. A professional surveyor.
   3. A registered sanitarian.
   4. Other professional approved by the Department.

The detailed plan must be to scale with a maximum 2 foot contour interval, shall show the proposed design for the initial and replacement OSTDS, and shall indicate the location intended for the dwelling and water supply. The professional shall indicate both existing and proposed contours and shall ensure areas defined on the plane for the OSTDS and the water supply are at locations that are readily accessible for future maintenance or replacement, or both.

F. The isolation distances shall meet the requirements set forth in Section 5.7.2 of this Code.

G. The site shall not be located in a floodplain of less than one hundred years, or in an area subject to seasonal flooding or ponding of surface waters. The property owner shall be responsible for documenting the 100 year floodplain elevation as recognized by the Michigan Department of Environmental Quality upon the Department's request.

H. The site shall not have an available sewer.

A complete copy of the Delta-Menominee District Health Department Sanitary Code On-Site Water and Sewage Regulations is available upon request or at our website at www.phdm.org

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Water Well Construction Permit Information

1. Submit a completed Water Well Construction Permit Application and appropriate permit fee. A complete application includes: name and address of property owner, property tax identification number, accurate legal description, directions to the property, and applicant's signature.

2. Environmental Health Staff will contact the applicant to arrange an appointment to conduct a site evaluation. If the applicant cannot be present during the site evaluation, a clearly marked stake must be provided at the site of the proposed water well location. The area of the sewage disposal system must also be clearly identified. Minimum isolation distances from potential sources of contamination are listed on the back of this sheet.

3. Following the site visit, a Water Well Construction Permit will be issued. The applicant's signature is required prior to the release of the permit. Permits cannot be issued through the mail.

4. After proper disinfection of the water supply system, a water sample must be collected from the sampling faucet and be tested by an approved laboratory. Organisms of the coliform group shall not be present in the sample. Water sampling bottles are available at the Health Department.

All new water supply installations are subject to Health Department inspections.

REFUND POLICY:
There will be no refunds for permits and/or Environmental Health services when field work has been conducted by staff. Refunds will be approved less $10.00, when no action has been taken place by the Health Department.

Minimum Residential Water Well Isolation Distances

(From Potential Sources of Contamination and Buildings)

New Residential water well installations shall meet the following minimum isolation distances. Minimum isolation distances between residential water wells and potential sources of contamination are established in administrative rules promulgated under the Ground Water Quality Control Act, Part 127, Act 368 of Public Acts of 1978, as amended, and the Delta & Menominee Counties Sanitary Code.

Potential Source of Contamination	**Required Isolation Distance**
Drainfield	50′
Septic Tank	50′
Sewage Pump Chamber	50′
Animal/Poultry Yard	50′
Building or Projection thereof	3′
Buried Gravity Sewer *(unknown construction)*	50′
Buried Gravity Sewer *(service weight or heavier cast-iron soil pipe w/lead joints or cast-iron pipe w/watertight joints)*	10′
Buried Gravity Sewer *(service weight or heavier ductile iron or Schedule 40 PVC with watertight joints)*	10′
Buried Pressure Sewer	50′
Outhouse *(vaulted type)*	50′
Outhouse *(earth pit type)*	50′
Cesspool	50′
Drywell	50′
Grease Tap	50′
Surface Water *(lake, river, stream, pond, ditch, etc.)*	10′
Sump Pit	10′
Seepage Pit	50′
Agriculture Chemical/Fertilizer Storage or Preparation Area	150′
Sewage or Liquid Waste Draining into the Soil	50′
Underground or Above Ground Storage Tank System *(1,100 gal. or larger, without secondary containment)*	300′
Underground or Above Storage Tank System *(1,100 or larger with secondary containment)*	50′
Underground or Above Ground Storage Tank System (*less than 1,100 gal. which store motor or heating fuel for noncommercial purpose or consumptive use on premises where fuel is stored)*	50′
Municipal Wastewater Sludge Disposal Area *(land surface application or subsurface injection)*	300′
Septage Waste *(land application area)*	800′
Active Landfill	800′
Petroleum Product Processing or Storage	300′
Oil or Gas Wells	300′
Unfilled Space Below Ground Surface *(except an approved basement, basement offset, or crawl space beneath single family dwelling)*	10′
Other Wastewater Handling or Disposal Unit	50′