

✓

2

RAVALLI COUNTY ENVIRONMENTAL HEALTH (RCEH)
Wastewater Treatment Permit Form

Permit #: 13843-R
Site Evaluation #: 2006\13843-r
State Approval EQ #:
Owner: Effending Olive L
Mailing: 330 Wyant Lane
Hamilton MT 59840-9372
Phone:
Site Address: 330 WYANT LN
HAMILTON, MT 59840
Tax ID: 696500
Geocode: 1467-27-2-01-03-0000

File #:

Legal Description for 696500
IN NWSW INDEX 2 5.47 AC

Permit Date: 06/26/2006 Applicant Name: Sylvia Work
Expiration Date: 06/26/2007 Phone: 406-363-1608
Renewal Date: 12/25/2006 Relationship: Realtor
Issued by: DAH Installer: Certified Installer
Signature: *Daniel A. Horton*

SYSTEM INFORMATION

Category: Residential
Dwelling Type: Single Family
of Structures: 1
Total Bedrooms: 3
Design Flow: 300 gpd
of Tanks: 1
Tank 1 Size: 1000 gal
Tank 2 Size:
Replacement? Y
Last Pump:
Pumper:
Description: STANDARD

SIZING INFORMATION

Soil Texture: Loam, Fine Sandy or Silt Loam
Application Rate: 0.50 gpd/sqft
Total Square Ft: 600
Total Linear Ft: 300
Chambers: 57
Bed Size: 600 sqft
System Layout: SEE NOTES

NDG ANALYSIS

BGN: 0.000 mg/L
NSA: 0.000 mg/L
PBT: 50 years

NOTES: Replacement System - pumpers report required on existing tank, abandon existing seepage pit.
Install 3 - 19 section lines of EQ 36 Quik 4 chambers Existing well is > 100' to proposed drainfield location

Install system within 25 feet of soils profile hole or as shown on reverse for state approvals.
Place septic tank within 50 feet of structure.

If high groundwater, bedrock, inadequate setback from wells or surface water or other problems become evident during installation, stop installation and call RCEH @ 375-6565.

☒ I will hire a Ravalli County certified septic system installer to install the system.

☐ I am the owner of the property and have received the Regulations for Wastewater Treatment Systems in Ravalli County and will install the system in compliance with the regulations and this permit.
Owners must take and pass an examination before installing their own system. Exam # _____ Date _____

RADON: Radon gas is a cancer-causing element of which over half of the tests in Ravalli show elevated levels. The cost of adding radon-resistance to a new home is typically less than that of a new window. (Radon materials received _____)

APPLICANTS WARRANTY: I will comply with the terms and conditions of this permit and certify that the use of this property for which this permit is issued does not violate any terms or conditions of any zoning, floodplain or restrictive covenant.
I further understand that an effluent filter will be installed for which regular maintenance is required.

Applicant's Signature: *Sylvia Work for Olive Effending* DATE: 6/28/06

FINAL INSPECTION: _____ DATE: _____

Inspection Checklist for Chambered Wastewater (Septic) Treatment Systems

Read your permit carefully. The system must be located as shown on the back of the permit and placed exactly as shown. A 100% replacement area must exist. If the approved site plan cannot be followed because site slope or other conditions interfere with compliance with the plan, you **must** call the Ravalli County Environmental Health (RCEH) office. If any problems arise during construction including groundwater, bedrock or any limiting layer observed in any portion of the excavations, or inadequate setback from wells, surface water, property lines, buildings, or other requirements, you must stop construction and immediately call the RCEH office and discuss the installation with a registered sanitarian. A registered sanitarian from RCEH must revise the permit in writing prior to installing any system that differs from the original permit design. You must call for a final inspection (at least 24 hours prior to needing the inspection). The certified installer, system designer or county inspector must verify that:

1. All lines are 4-inches in diameter and PVC sewer pipe and meet the correct ASTM standard. Schedule 40 pipe is used from the structure to the septic tank and out of the septic tank in the area of backfill around the tank for a minimum length of at least 10 feet. ASTM 3034 (SDR 35) pipes or heavier class is used throughout the rest of the system. All joints are joined by an integral bell-and-spigot joint with rubber elastomeric gasket or solvent cement joints.
2. The following lines were uncovered for inspection: tank to foundation (tank is placed at least 10 feet from the foundation but not more than 50 feet from the foundation and cleanouts are provided within 3 feet of the building, at every point where cumulative bends exceed 135 degrees or for lengths of pipe that exceed 100 feet, tank to distribution box (10 foot minimum), distribution box outlet lines and at least one absorption trench lateral. The ends of each absorption trench are uncovered and pipes/chambers are capped. NOTE: Distribution boxes with flow levels or dipper distribution boxes are required for all gravity distribution systems.
3. Septic tank and distributions box are uncovered for inspection. The type and size of septic tank (e.g., concrete, 1000 gal.) existing, concrete and distribution box concrete.
4. The inlets and outlets from the tank and distribution box are sealed and watertight.
5. Effluent filter type: Polylok meets ANSI/NSF Standard 46 and filter handle extends to within 2 inches of the access riser lid.
6. Sanitary tees (inlet 12 inches and outlet 18 inches or according to effluent filter size) are installed in the septic tank.
7. Septic tank risers are at least 1.75 square feet in size (recommend at least 2 ft diameter), are provided for each compartment, and extend to within 12 inches of the finished ground surface. Access to the effluent filter is large enough to maintain filter and extends to finished ground surface. **Riser lids must be removed for inspection of sanitary tees and effluent filter.**
8. Distribution box outlet lines are solid piping for at least 5 feet to avoid seepage and settling around the box.
9. The inlet for the distribution box is higher than the outlets. The distribution box is level and bedded to prevent settling. Flow control (speed levelers or a dipper box) is provided and water poured into the box flows equally down each pipe and does not back flush into the box. Each outlet serves an equal length of absorption trench. Access to the box is provided through a riser or it is marked with iron or other suitable and durable marker.
11. Chamber type (Infiltrator EQ36 Quik4, ADS Bio-3, other): Quik 4, number of chambers in each absorption trench 1(19) 1 2(30). Installations that use chambers must use full length gravity or pressure distribution piping if soils are coarse grained sands or gravels, typically with percolation rates of 10 minutes per inch or less.
12. The trench is 24 inches to the trench bottom or shallower depth as specified on the permit (maximum depth is 36").
13. Trenches are separated by at least 5 feet between trench walls and are 24 inches wide.
14. Absorption trenches are level**, equal in length, and do not exceed 100 feet in length.
15. There are at least two absorption trenches.

Permit #: 13843-R Owner: Effending

Certified Installer: Kenny Sampson

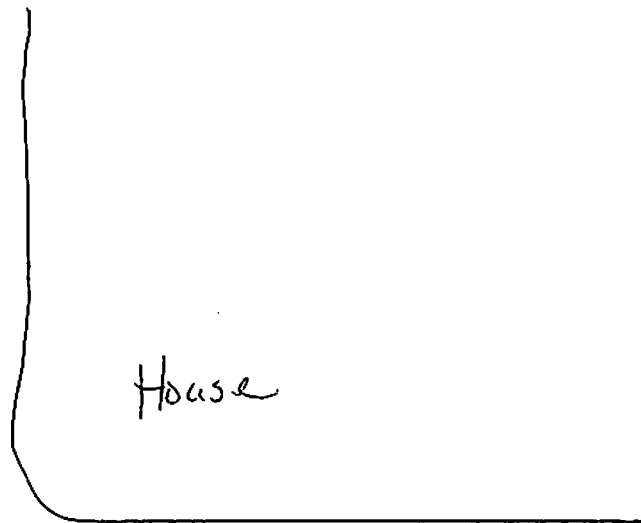
I have inspected this system and found it in compliance with the Ravalli County Wastewater Treatment and Disposal Regulations, the items listed above, and the permit conditions.

Signature: _____ Date: _____

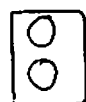
Signature: Theresa J. Blaziewicz Date: 7/21/06
RCEH Sanitarian

** RCEH does not warranty any grade or slope measurements.

7/21/06



~22' to house / this line was not replaced



existing tank / added riser & Polylok filter

45'

5'

19 chambers

7'

20 chambers

14'

20 chambers