

COMMONWEALTH OF MASSACHUSETTS EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS DEPARTMENT OF ENVIRONMENTAL PROTECTION



TITLE 5

OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM FORM PART A CERTIFICATION

Property Address: 202 Harkness Rd.
Owner's Name: Robert & Clubeth Hart Owner's Address: 3 Chadwick Court Support
Date of Inspection: $\frac{1}{4}$ -7-07
Name of Inspector: (please print) Dovid Pr Kosacz Sd. Company Name: ACE Environmenta (Mailing Address: Pa 158 Belche-Town 114 01007 Telephone Number: (413) 967-8174
CERTIFICATION STATEMENT I certify that I have personally inspected the sewage disposal system at this address and that the information reported below is true, accurate and complete as of the time of the inspection. The inspection was performed based on my training and experience in the proper function and maintenance of on site sewage disposal systems. I am a DEP approved system inspector pursuant to Section 15.340 of Title 5 (310 CMR 15.000). The system:
Inspector's Signature: Dad Wygelf Date: 4-7-07
The system inspector shall submit a copy of this inspection report to the Approving Authority (Board of Health or DEP) within 30 days of completing this inspection. If the system is a shared system or has a design flow of 10,000 gpd or greater, the inspector and the system owner shall submit the report to the appropriate regional office of the DEP. The original should be sent to the system owner and copies sent to the buyer, if applicable, and the approving authority.
Notes and Comments All System comfenents were noted to be in froter working condition as of the date of this inspection. Typical wear wis noted. Resits are a concern serial additions sed historically.

****This report only describes conditions at the time of inspection and under the conditions of use at that time. This inspection does not address how the system will perform in the future under the same or different conditions of use.

CERTIFICATION (continued)

Property Address:
Owner: Date of Inspection:
Inspection Summary: Check &B,C,D or E / ALWAYS complete all of Section D
A. System Passes:
$\frac{\chi}{15.303}$ I have not found any information which indicates that any of the failure criteria described in 310 CMR $\frac{\chi}{15.303}$ or in 310 CMR $\frac{\chi}{15.304}$ exist. Any failure criteria not evaluated are indicated below.
Comments: All System combonants were in Profer working condition as of The date of This institution
B. System Conditionally Passes:
One or more system components as described in the "Conditional Pass" section need to be replaced or repaired. The system, upon completion of the replacement or repair, as approved by the Board of Health, will pass.
Answer yes, no or not determined (Y,N,ND) in the for the following statements. If "not determined" please explain.
The septic tank is metal and over 20 years old* or the septic tank (whether metal or not) is structurally unsound, exhibits substantial infiltration or exfiltration or tank failure is imminent. System will pass inspection if the existing tank is replaced with a complying septic tank as approved by the Board of Health. *A metal septic tank will pass inspection if it is structurally sound, not leaking and if a Certificate of Compliance indicating that the tank is less than 20 years old is available.
ND explain:
Observation of sewage backup or break out or high static water level in the distribution box due to broken or obstructed pipe(s) or due to a broken, settled or uneven distribution box. System will pass inspection if (with approval of Board of Health): broken pipe(s) are replaced obstruction is removed distribution box is leveled or replaced
ND explain:
The system required pumping more than 4 times a year due to broken or obstructed pipe(s). The system will pass inspection if (with approval of the Board of Health):
broken pipe(s) are replaced obstruction is removed
ND explain:

CERTIFICATION (continued)

Property Address: 202 Harkness Rdr
Owner: Beberi a Elizibeth Hort Date of Inspection: 4-2-07
Date of hispection: 4-7-07
C. Further Evaluation is Required by the Board of Health:
Conditions exist which require further evaluation by the Board of Health in order to determine if the system is failing to protect public health, safety or the environment.
 System will pass unless Board of Health determines in accordance with 310 CMR 15.303(1)(b) that the system is not functioning in a manner which will protect public health, safety and the environment:
 Cesspool or privy is within 50 feet of a surface water Cesspool or privy is within 50 feet of a bordering vegetated wetland or a salt marsh
2. System will fail unless the Board of Health (and Public Water Supplier, if any) determines that the system is functioning in a manner that protects the public health, safety and environment:
The system has a septic tank and soil absorption system (SAS) and the SAS is within 100 feet of a surface water supply or tributary to a surface water supply.
The system has a septic tank and SAS and the SAS is within a Zone 1 of a public water supply.
The system has a septic tank and SAS and the SAS is within 50 feet of a private water supply well.
The system has a septic tank and SAS and the SAS is less than 100 feet but 50 feet or more from a private water supply well**. Method used to determine distance
**This system passes if the well water analysis, performed at a DEP certified laboratory, for coliform bacteria and volatile organic compounds indicates that the well is free from pollution from that facility and the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than 5 ppm, provided that no other failure criteria are triggered. A copy of the analysis must be attached to this form.
3. Other:

CERTIFICATION (continued)

Property Address:
Owner: Date of Inspection:
D. System Failure Criteria applicable to all systems: You <u>must</u> indicate "yes" or "no" to each of the following for <u>all</u> inspections:
Yes No Backup of sewage into facility or system component due to overloaded or clogged SAS or cesspool Discharge or ponding of effluent to the surface of the ground or surface waters due to an overloaded or clogged SAS or cesspool Static liquid level in the distribution box above outlet invert due to an overloaded or clogged SAS or cesspool Liquid depth in cesspool is less than 6" below invert or available volume is less than ½ day flow Required pumping more than 4 times in the last year NOT due to clogged or obstructed pipe(s). Number of times pumped Any portion of the SAS, cesspool or privy is below high ground water elevation. Any portion of cesspool or privy is within 100 feet of a surface water supply or tributary to a surface water supply. Any portion of a cesspool or privy is within a Zone 1 of a public well. Any portion of a cesspool or privy is within 50 feet of a private water supply well. Any portion of a cesspool or privy is less than 100 feet but greater than 50 feet from a private water supply well with no acceptable water quality analysis. [This system passes if the well water analysis,
performed at a DEP certified laboratory, for coliform bacteria and volatile organic compounds indicates that the well is free from pollution from that facility and the presence of ammonia nitrogen and nitrate nitrogen is equal to or less than 5 ppm, provided that no other failure criteria are triggered. A copy of the analysis must be attached to this form.]
(Yes/No) The system fails. I have determined that one or more of the above failure criteria exist as described in 310 CMR 15.303, therefore the system fails. The system owner should contact the Board of Health to determine what will be necessary to correct the failure.
E. Large Systems: To be considered a large system the system must serve a facility with a design flow of 10,000 gpd to 15,000 gpd. You must indicate either "yes" or "no" to each of the following: (The following criteria apply to large systems in addition to the criteria above)
yes no the system is within 400 feet of a surface drinking water supply
the system is within 200 feet of a tributary to a surface drinking water supply
the system is located in a nitrogen sensitive area (Interim Wellhead Protection Area – IWPA) or a mapped Zone II of a public water supply well

If you have answered "yes" to any question in Section E the system is considered a significant threat, or answered "yes" in Section D above the large system has failed. The owner or operator of any large system considered a significant threat under Section E or failed under Section D shall upgrade the system in accordance with 310 CMR 15.304. The system owner should contact the appropriate regional office of the Department.

Property Address: 202 Harkness Rd-
Owner: Robert 4. Elizibeth Hort Date of Inspection: 4->-07
Check if the following have been done. You must indicate "yes" or "no" as to each of the following:
Yes No X Pumping information was provided by the owner, occupant, or Board of Health
X Were any of the system components pumped out in the previous two weeks
Has the system received normal flows in the previous two week period ?
\underline{X} Was the facility or dwelling inspected for signs of sewage back up \underline{Y}
Was the site inspected for signs of break out
Were all system components, excluding the SAS, located on site
$\underline{\chi}$ Were the septic tank manholes uncovered, opened, and the interior of the tank inspected for the condition of the baffles or tees, material of construction, dimensions, depth of liquid, depth of sludge and depth of scum?
Was the facility owner (and occupants if different from owner) provided with information on the proper maintenance of subsurface sewage disposal systems
The size and location of the Soil Absorption System (SAS) on the site has been determined based on:
Yes no X Existing information. For example, a plan at the Board of Health. 2002 Inspection
Determined in the field (if any of the failure criteria related to Part C is at issue approximation of distance is unacceptable) [310 CMR 15.302(3)(b)] confirmed with docising rods

Property Address:
Owner:
Date of Inspection:
FLOW CONDITIONS
RESIDENTIAL
Number of bedrooms (design): 5 Number of bedrooms (actual): 4
DESIGN flow based on 310 CMR 15.203 (for example: 110 gpd x # of bedrooms): 330
Number of current residents:
Does residence have a garbage grinder (yes or no): 10
Is laundry on a separate sewage system yes or no: (if yes separate inspection required)
Laundry system inspected (yes or no): 455
Seasonal use: (yes or no): 10
Water meter readings, if available (last 2 years usage (gpd)): free well
Sump pump (yes or(no): 40
Last date of occupancy: Corrent
COMMERCIAL/INDUSTRIAL
Type of establishment:
Design flow (based on 310 CMR 15.203):gpd
Basis of design flow (seats/persons/sqft,etc.):
Grease trap present (yes or no):
Industrial waste holding tank present (yes or no):
Non-sanitary waste discharged to the Title 5 system (yes or no): Water meter readings, if available:
Last date of occupancy/use:
Last date of occupancy/usc.
OTHER (describe):
GENERAL INFORMATION
Pumping Records
Source of information: Occopant
Was system pumped as part of the inspection (yes or no): 400
If yes, volume pumped:gallons How was quantity pumped determined?
Reason for pumping:
TYPE OF SYSTEM
X Septic tank, distribution box, soil absorption system
Single cesspool Overflow cesspool
Privy
Shared system (yes or no) (if yes, attach previous inspection records, if any)
Innovative/Alternative technology. Attach a copy of the current operation and maintenance contract (to be
obtained from system owner)
Tight tank Attach a copy of the DEP approval
X Other (describe): System includes lower level grinder Dump
Approximate age of all components, date installed (if known) and source of information:

Were sewage odors detected when arriving at the site (yes or no): uc

Property Address:
Owner: Date of Inspection:
TIGHT or HOLDING TANK: (tank must be pumped at time of inspection)(locate on site plan)
Depth below grade: Material of construction:concretemetalfiberglasspolyethyleneother(explain):
Dimensions:
DISTRIBUTION DOV. V (Source of the standard of
Distribution BOX: X (if present must be opened)(locate on site plan) Depth of liquid level above outlet invert: 0. Comments (note if box is level and distribution to outlets equal, any evidence of solids carryover, any evidence of leakage into or out of box, etc.): Cover in good condition. Soil outside of box clean. No evidence of leakage. No identificable solids observed.
PUMP CHAMBER: (locate on site plan)
Pumps in working order (yes or no): Alarms in working order (yes or no): Comments (note condition of pump chamber, condition of pumps and appurtenances, etc.):

Owner: Robert & Elizabeth Hari Date of Inspection: 4-7-07
BUILDING SEWER (locate on site plan)
Depth below grade:
SEPTIC TANK: _X (locate on site plan)
Depth below grade:
GREASE TRAP:(locate on site plan)
Depth below grade: Material of construction:concretemetalfiberglasspolyethyleneother (explain): Dimensions: Scum thickness: Distance from top of scum to top of outlet tee or baffle: Distance from bottom of scum to bottom of outlet tee or baffle: Date of last pumping: Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liquid levels as related to outlet invert, evidence of leakage, etc.):

Property Address:			
Owner: Date of Inspection:			
SKETCH OF SEWAGE DISPOSA Provide a sketch of the sewage dispos	sal system including ties to at least	two permanent reference landm	arks or
benchmarks. Locate all wells within	100 feet. Locate where public water	er supply enters the building.	101
			weoded
wooded	202 Varkness Rdo	- 12 C	
1/		136	
Pe 1-3/2 / 61'			F5600
96'		235'	Slope 1-
J. 211 S1000'			
Well >100' From SAS			
	Car III		
	ROTHA		
		1	1
			1
Hack	noss Rda		

Owner: Bobert & Elizibeth Hait						
amperst Kdi						
Date of Inspection: 4-)-07						
The or anoperior						
SOIL ABSORPTION SYSTEM (SAS): (locate on site plan, excavation not required)						
If SAS not located explain why:						
Tuna						
Typeleaching pits, number:						
leaching chambers, number:						
leaching galleries number:						
2 leaching trenches, number, length: 2 40°						
leaching fields, number, dimensions:						
overflow cesspool, number:						
innovative/alternative system. Type/name of technology:						
Comments (note condition of soil, signs of hydraulic failure, level of ponding, damp soil, condition of vegetation,						
etc.):						
NO Signs of hydroclic foclure or fonding observed. Tree root infiltration into The leaching onea likely						
11/0 The teaching over their						
CESSPOOLS: (cesspool must be pumped as part of inspection)(locate on site plan)						
Number and configuration:						
Number and configuration: Depth – top of liquid to inlet invert:						
Depth of solids layer:						
Depth of scum layer: Dimensions of cesspool:						
Dimensions of cesspool:						
Materials of construction:						
Indication of groundwater inflow (yes or no):						
Comments (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.):						
DDWW. decate on site plant						
PRIVY: (locate on site plan)						
Materials of construction:						
Dimensions:						
Depth of solids:						
Comments (note condition of soil, signs of hydraulic failure, level of ponding, condition of vegetation, etc.):						

Owner: Robert 4 Elizbeth Hart Date of Inspection: 4-7-07
SITE EXAM Slope 0-38 Surface water > 200' Check cellar Frished / dry Shallow wells wone obserced
Estimated depth to ground water _5 feet
Please indicate (check) all methods used to determine the high ground water elevation:
Obtained from system design plans on record - If checked, date of design plan reviewed: Observed site (abutting property/observation hole within 150 feet of SAS) Checked with local Board of Health-explain: Checked with local excavators, installers- (attach documentation) Accessed USGS database-explain:
You must describe how you established the high ground water elevation: Given The location of the SAS with respect to Local Topography, I estimate the Seasonal high grownwater level 40 be 25's soil conditions affect to be well drained and terminable, lower levels of the home were finished with no signs of water.

		·.,