



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



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

Property Address: 2 Teaberry Lane

Amherst MA

Owner's Name: Amy Zuckerman

Owner's Address: same

Date of Inspection: 05/03/2005

Name of Inspector: (please print) Nate Toretti

Company Name: <u>CLEAN SEPTICS</u>
Mailing Address: <u>P.O. BOX 394</u>

LUDLOW, MA

Telephone Number: 583-2138

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:

X Passes
Conditionally Passes
Needs Further Evaluation by the Local Approving Authority
Fails

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:

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.

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OFFICIAL INSPECTION FORM-NOT FOR VOLUNTARY ASSESSEMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART A

CERTIFICATION (continued)

Property Address: 2 Teaberry Lane Amherst MA Owner's Name: Amy Zuckerman Owner's Address: same Date of Inspection: 05/03/2005 Inspection Summary: Check A,B,C,D or E / ALWAYS complete all of Section D A. System Passes: I have not found any information which indicates that any of the failure criteria described in 310 CMR 15.303 or in 310 CMR 15,304 exist. Any failure criteria not evaluated are indicated below. Comments: Pump septic tank every year. Recommend removing garbage disposal and installing an outlet filter. **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

____ 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

distribution box is leveled or replaced

obstruction is removed

ND explain:

ND explain:

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

CERTIFICATION (continued)

Property Address: 2 Teaberry Lane Amherst MA

Owner's Name: Amy Zuckerman

D

	r's Address: same of Inspection: 05/03/2005
C. F	urther Evaluation is Required by the Board of Health:
failing	Conditions exist which require further evaluation by the Board of Health in order to determine if the system is to protect public health, safety or the environment.
1.	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. sys	System will fail unless the Board of Health (and Public Water Supplier, if any) determines that the stem 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:

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

CERTIFICATION (continued)

Property Address: 2 Teaberry Lane

Amherst MA

Owner's Name: Amy Zuckerman

Owner's Address: same Date of Inspection: 05/03/2005

D. System Failure Criteria applicable to all systems:

You must indicate "yes" or "no" to each of the following for all 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 S.A.S. or cesspool.
	X	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
	X	Required pumping more than 4 times in the last year <u>NOT</u> due to clogged or obstructed pipe(s). Number of times pumped .
	X	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.
	X	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.]
_NO		(Yes/No) The system <u>fails</u> . 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. I	Large	Systems:
You	must i	sidered a large system the system must serve a facility with a design flow of 10,000 gpd to 15,000 gpd. ndicate either "yes" or "no" to each of the following:
(Ine	ionov	ving criteria apply to large systems in addition to the criteria above)
ves	no	
		he system is within 400 feet of a surface drinking water supply
	t	he system is within 200 feet of a tributary to a surface drinking water supply
		he 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.

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OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART B CHECKLIST

Property Address: 2 Teaberry Lane

Amherst MA

Owner's Name: Amy Zuckerman

Owner's Address: same Date of Inspection: 05/03/2005

Check if the following have been done. You must indicate "yes" or "no" as to each of the following:

Yes _X	No _	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?
X		Has the system received normal flows in the previous two week period?
	_ X	Have large volumes of water been introduced to the system recently or as part of this inspection?
	X	Were as built plans of the system obtained and examined? (If they were not available note as N/A)
_X		Was the facility or dwelling inspected for signs of sewage back up?
_X		Was the site inspected for signs of break out ?
_X		Were all system components, excluding the SAS, located on site ?
X the ba	_	Were the septic tank manholes uncovered, opened, and the interior of the tank inspected for the condition of 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 ce of subsurface sewage disposal systems ?
	T	he 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.
X		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)]

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

SYSTEM INFORMATION

Property Address: 2 Teaberry Lane

Amherst MA

Owner's Name: Amy Zuckerman

Owner's Address: same Date of Inspection: 05/03/2005

FLOW CONDITIONS
RESIDENTIAL
Number of bedrooms (design): _4_ Number of bedrooms (actual): _4
DESIGN flow based on 310 CMR 15.203 (for example: 110 gpd x # of bedrooms): _440 GPD
Number of current residents: 3
Does residence have a garbage grinder (yes or no): YES
Is laundry on a separate sewage system (yes or no): NO [if yes separate inspection required]
Laundry system inspected (yes or no): NO
Seasonal use (yes or no): NO
Water meter readings, if available (last 2 years usage (gpd)): Town water
Sump pump (yes or no): NO
Last date of occupancy: present
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:
OTUED (describe):
OTHER (describe):
GENERAL INFORMATION
Pumping Records
Source of information: Pumped in July 2004
Was system pumped as part of the inspection (yes or no): NO
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): Leach pit
Approximate age of all components, date installed (if known) and source of information:
S. A. S. is approximately 19 years old.
Were sewage odors detected when arriving at the site (yes or no): NO

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

SYSTEM INFORMATION (continued)

Property Address: 2 Teaberry Lane Amherst MA	
Owner's Name: Amy Zuckerman	
Owner's Address: same	
Date of Inspection: 05/03/2005	
BUILDING SEWER (locate on site plan)	
Depth below grade: 1'6"	
Materials of construction: cast iron X 40 PVCother (explain):	
Distance from private water supply well or suction line:	
Comments (on condition of joints, venting, evidence of leakage, etc.):	
Joints and venting appear okay. No leaks.	
SEPTIC TANK: X (locate on site plan)	
Depth below grade: 10"	
Material of construction: _X_concretemetalfiberglasspolyethylene _other	
(explain) Is age confirmed by a Certificate of Compliance (yes or no): (attach a copy	of certificate
Dimensions: L 10'x W 5'xD 5'	or continuent
Sludge depth:	
Distance from top of sludge to bottom of outlet tee or baffle:	
Scum thickness: 2"	
Distance from top of scum to top of outlet tee or baffle: 7"	
Distance from bottom of scum to bottom of outlet tee or baffle: 15"	
How were dimensions determined: Measured	
Comments (on pumping recommendations, inlet and outlet tee or baffle condition, structural integrity, liqui	d levels as
related to outlet invert, evidence of leakage, Etc.):	
Pump septic tank every year. Everything appears to be in good working condition. No leaks.	
GREASE TRAP:(locate on site plan)	
Don'th helavy grade:	
Depth below grade: Material of construction: concrete metal fiberglass polyethylene other	
(explain):	
Dimensions: _ gal required tank capacity	
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, liquirelated to outlet invert, evidence of leakage, etc.):	d levels as

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OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C SYSTEM INFORMATION (continued)

Property Address: 2 Teaberry Lane

Amherst MA

Owner's Name: Amy Zuckerman

Owner's Address: same Date of Inspection: 05/03/2005

TIGHT or HOLDING TAI	NK: (tank must be	pumped at time	of inspection)(loca	ne on she plan)	
Depth below grade:					
Depth below grade: Material of construction:	_concretemetal	fiberglass	polyethylene	other(explain):	
Dimensions:	_				
Capacity:	gallons				
Design Flow:	gallons/day				
Alarm present (yes or no):					
Alarm level: Alarm	n in working order (yes	or no):			
Date of last pumping:					
		etc.):			
DISTRIBUTION BOX: N Depth of liquid level above of Comments (note if box is level) into or out of box, etc.):	outlet invert:	•	-	carryover, any evic	dence of leakage
PUMP CHAMBER:	(locate on site plan)				
Pumps in working order (yes Alarms in working order (ye Comments (note condition or	es or no): _	ition of pumps ar	nd appurtenances, o	etc.):	
DISTRIBUTION BOX: N Depth of liquid level above of Comments (note if box is level into or out of box, etc.): PUMP CHAMBER: Pumps in working order (yes Alarms in working order (yes	IONE (if present must butlet invert: yel and distribution to of (locate on site plan)	st be opened)(loc outlets equal, any	evidence of solids		dence of leakag

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

SYSTEM INFORMATION (continued)

Property Address: 2 Teaberry Lane

Amherst MA

Owner's Name: Amy Zuckerman

Owner's Address: same Date of Inspection: 05/03/2005

SOIL ABSORPTION SYSTEM (SAS): (locate on site plan, excavation not required)	
If SAS not located explain why:	
_X leaching pits, number:leaching chambers, number:	
leaching galleries, number: leaching trenches, number, length: 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 No signs of hydraulic failure. Soil and vegetation appear okay. From leach pit to effluent level in pit the 2'9" of space.	
CESSPOOLS: (cesspool must be pumped as part of inspection)(locate on site plan)	
Number and configuration:	
Depth – top of liquid to inlet invert: Depth of solids layer:	
Depth of scum layer:	
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.):	
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.):	

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OFFICIAL INSPECTION FORM – NOT FOR VOLUNTARY ASSESSMENTS SUBSURFACE SEWAGE DISPOSAL SYSTEM INSPECTION FORM PART C SYSTEM INFORMATION (continued)

Property Address: 2 Teaberry Lane

Amherst MA

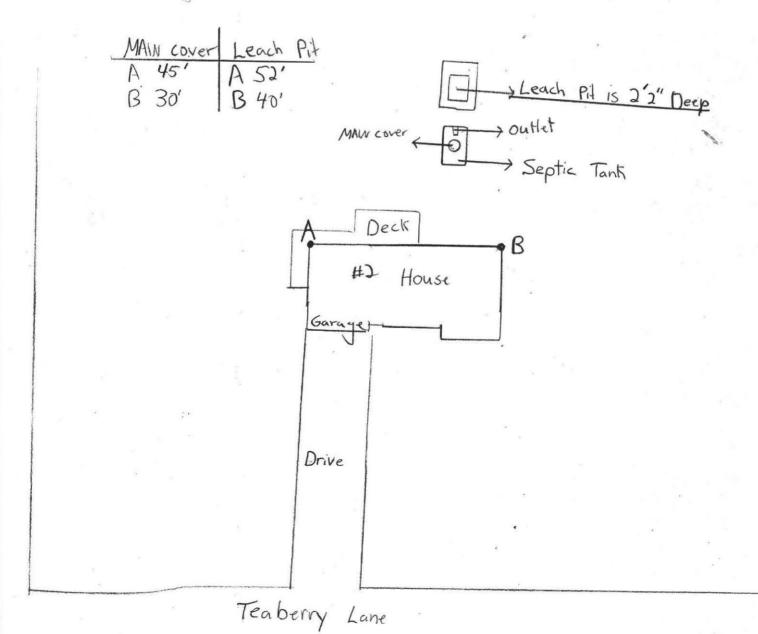
Owner's Name: Amy Zuckerman

Owner's Address: same Date of Inspection: 05/03/2005

SKETCH OF SEWAGE DISPOSAL SYSTEM

Provide a sketch of the sewage disposal system including ties to at least two permanent reference landmarks or benchmarks. Locate all wells within 100 feet. Locate where public water supply enters the building.

Drawing not to scale.



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

SYSTEM INFORMATION (continued)

	2 Teaberry Lane Amherst MA		
Owner's Name: A Owner's Address			
Date of Inspection	: 05/03/2005		
SITE EXAM Slope	xxx		
Surface water Check cellar Shallow wells	XXX		
Estimated depth to	ground water: none @ 6'		
Please indicate (ch	eck) all methods used to determine the high ground water elevation:		
Observed si Checked wi Checked wi	om system design plans on record - If checked, date of design plan review te (abutting property/observation hole within 150 feet of SAS) th local Board of Health-explain: th local excavators, installers- (attach documentation) SGS database-explain:	ed: _	
	how you established the high ground water elevation:		
Slope in yard and	checked cellar.		

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