

SITE INSPECTION SHEET

OWNER: 15902 Union Chapel Rd. PHONE #: 443-535-9420

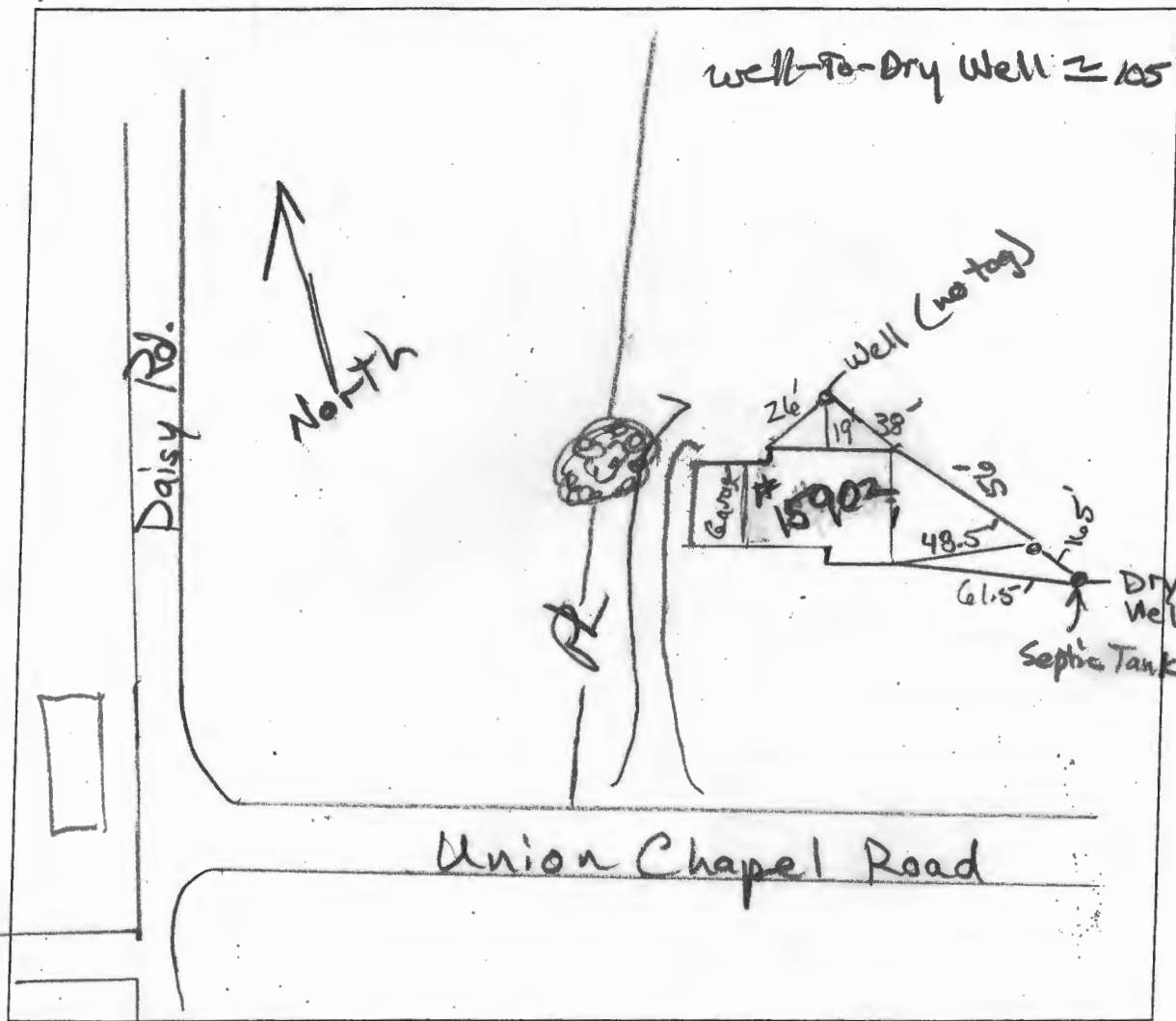
ADDRESS: Niakan Kazemi CONTRACTOR: _____

Daneshkhan Afsoon WELL TAG #: none

SUBDIVISION: _____ LOT: _____ COUNTY #: _____

PROPOSAL: remodel mud room and basement
no new living space; 1 less bedroom

LOCATION DIAGRAM



COMMENTS: steel well casing terminates 25" above grade;
2-pc cap (secure); base is blue plastic, top is metal
septic tank cleanout is 6" iron w/ 1-pc. metal well cap (base)
Dry Well access cover is metal with two stones on top

DATE: 2/16/2018 INSPECTOR: R Bricker



NEXT DAY
RUSH!

Chain Of Custody Form

Client Name _____
Address _____
Phone _____
Email _____

Site Address:
10402 Union Chapel Road
Woodbine Maryland 21797

Field Collection Information:

Collector's Name: Conor McDonald Sampler ID #: 1021CM

Collected Date and Time: February 5th 2018 10:00am 8020505-01

Well Tag Number: _____ Sand: None

Field PH: 5.6 Field Chlorine: 0.0

Clear when Water Drawn: Yes Was Well Chlorinated? Yes No

Requested Testing:

IMPURITY	SOURCE
<input type="checkbox"/> Bacteria	
<input type="checkbox"/> Nitrates	
<input type="checkbox"/> Nitrites	
<input type="checkbox"/> Lead	
<input type="checkbox"/> Iron	
<input type="checkbox"/> Turbidity	<u>Pressure Tank</u>
<input checked="" type="checkbox"/> Other <u>10L</u>	

Water Conditioning:

Well Casing/Cap Condition:

Height above grade: 26"
Cap Type: 2 P Cell Cap
Casing: 1/2" Metal
Conduit: Plastic
Male Adapter and Conduit Not Given

Plumbing Notes: House has no fixtures

Release Signatures:

Released By: Conor McDonald Date/Time: 2/5/18 11:05

Released By: _____ Date/Time: _____

Received in Lab By: [Signature] Date/Time: 2/5/18 1305

rec'd 5.0°C

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: 15902 UNION CHAPEL ROAD

Project Number: NONE
Project Manager: Kevin Barnaba

Reported:
02/06/18 14:45

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Analytical Results

Project: 15902 UNION CHAPEL ROAD

Project Number: NONE
Project Manager: Kevin Barnaba

Reported:
02/06/18 14:45

PRESSURE TANK

8020505-01 (Drinking Water)

Sample Date: 02/05/18

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS) (continued)									
2,2-Dichloropropane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,1-Dichloropropene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
cis-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
trans-1,3-Dichloropropene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Diisopropyl ether (DIPE)	0.83	see Calif report	ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Ethyl tert-butyl ether (ETBE)	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Ethylbenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Hexachlorobutadiene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Isopropylbenzene (Cumene)	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
4-Isopropyltoluene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Methyl tert-butyl ether (MTBE)	8.33	OK	ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Methylene chloride	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Naphthalene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
n-Propylbenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Styrene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,1,1,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,1,2,2-Tetrachloroethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Tetrachloroethene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Toluene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,2,3-Trichlorobenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,2,4-Trichlorobenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,1,1-Trichloroethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,1,2-Trichloroethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Trichloroethene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Trichlorofluoromethane (Freon 11)	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,2,3-Trichloropropane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,2,4-Trimethylbenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,3,5-Trimethylbenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Vinyl chloride	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
o-Xylene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
m- & p-Xylenes	0.53	OK	ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Surrogate: 4-Bromofluorobenzene			80-120	91 %			02-06-18	02-06-18 11:41	
Surrogate: 1,2-Dichlorobenzene-d4			80-120	98 %			02-06-18	02-06-18 11:41	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

Analytical Results

Project: 15902 UNION CHAPEL ROAD

Project Number: NONE

Project Manager: Kevin Barnaba

Reported:

02/06/18 14:45

PRESSURE TANK

8020505-01 (Drinking Water)

Sample Date: 02/05/18

CL (mg/L)

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Quantitation Limit (LOQ)	Dilution	Prepared	Analyzed	Analyst
VOLATILE ORGANICS BY EPA METHOD 524.2 (GC/MS)									
tert-Amyl alcohol (TAA)	ND		ug/L	10.0	10.0	1	02/06/18	02/06/18 11:41	WB
tert-Amyl methyl ether (TAME)	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
5 Benzene	1.06	OK	ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Bromobenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Bromochloromethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Bromodichloromethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Bromoform	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Bromomethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
tert-Butanol (TBA)	ND		ug/L	10.0	10.0	1	02/06/18	02/06/18 11:41	WB
n-Butylbenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
sec-Butylbenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
tert-Butylbenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Carbon tetrachloride	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Chlorobenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Chloroethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Chloroform	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Chloromethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
2-Chlorotoluene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
4-Chlorotoluene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Dibromochloromethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,2-Dibromo-3-chloropropane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,2-Dibromoethane (EDB)	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Dibromomethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,2-Dichlorobenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,3-Dichlorobenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,4-Dichlorobenzene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
Dichlorodifluoromethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,1-Dichloroethane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
15 1,2-Dichloroethane	1.07	OK	ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,1-Dichloroethene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
cis-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
trans-1,2-Dichloroethene	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,2-Dichloropropane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB
1,3-Dichloropropane	ND		ug/L	0.50	0.50	1	02/06/18	02/06/18 11:41	WB

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

06 February 2018

Kevin Barnaba
Home Land Environmental Health Labs
9106 Philadelphia RD, STE 108 B
Rosedale, MD 21237
RE: 15902 UNION CHAPEL ROAD

Enclosed are the results of analyses for samples received by the laboratory on 02/05/18 13:05.

A more detailed report format is available upon request, which lists the accreditation status for all analytical methods performed.

Please visit our website at www.mdspectral.com for a complete listing of our accreditations.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Rabecka Koons
Quality Assurance Officer

Analytical Results

1500 Caton Center Dr Suite G
Baltimore MD 21227
410-247-7600
www.mdspectral.com

Project: 15902 UNION CHAPEL ROAD

Project Number: NONE
Project Manager: Kevin Barnaba

Reported:
02/06/18 14:45

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PRESSURE TANK		8020505-01	Drinking Water	02/05/18 10:00	02/05/18 13:05

Rabecka Koons

Rabecka Koons, Quality Assurance Officer

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

HOME LAND

ENVIRONMENTAL

p:443-995-5385 | info@homelandhealthyhomes.com | www.homelandhealthyhomes.com

Date: 11/8/2017 Name of Evaluator: Jon Blevins Time: 11:30 Property Address: 15902 Union Chapel Road Woodbine, MD 21797 Recent Weather Conditions: Rain		Ordered By: Niakam Kazemi Buyers: Niakam Kazemi Homeowner Interview: The homeowner interview was sent but not received prior to the evaluation.		Occupied: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Length of Time Vacant: Unknown # of People Living in Home: N/A # of People moving in: Unknown Property Age: 1971 System Age: 1971 Last Date of Cleaning: Unknown Recomm'd Pumping Freq: Unknown	
Liquid level in tank is: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal			Bottom Solids Depth: 16 Inches		
Depth of tank: 28 Inches		Type of Tank Access: 6-inch metal		Depth of tank access: At Grade	
Maintenance appears: <input type="checkbox"/> Good <input checked="" type="checkbox"/> Fair <input type="checkbox"/> Poor			Depth to Distribution Box: N/A		
Effluent Filter present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Previous high liquid level: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Distance to well: ~90 Feet	
Records Search: Records were requested on November 3 rd , but not received from Howard County prior to the evaluation.					
Were there any impermeable surfaces above the septic system (i.e. driveway)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Type of Tank		Tank Composition and Size		Type of Absorption System	
<input checked="" type="checkbox"/> Septic Tank (1 tank)		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Plastic		<input type="checkbox"/> Leaching Field <input type="checkbox"/> Raised Mound	
<input type="checkbox"/> Aeration System		<input type="checkbox"/> Other: _____		<input checked="" type="checkbox"/> Drywell (Number of: 1) <input type="checkbox"/> Cesspool	
		Tank Size: 1,250 gallons		<input type="checkbox"/> Unknown: _____	
System Component		Condition		Comments	
Septic Tank		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		The concrete septic tank is 1,250 gallons in capacity. A 6-inch metal cleanout serves as access at grade; the septic tank is 28 inches below grade. Both front and back baffles are in place and composed of concrete. There are 16 inches of solids, indicating fair maintenance. The tank should be pumped again in 1 year. Both front and back lines are composed of cast-iron.	
Pump Present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable			
Absorption System		<input checked="" type="checkbox"/> Acceptable <input type="checkbox"/> Unacceptable <input type="checkbox"/> Needs Further Evaluation		One drywell was located during the evaluation. A metal riser with a metal lid serves as access 6 inches below grade. The drywell has a total depth of 5 feet, all of which is remaining. An outlet line was searched for within the drywell (to a possible drainfield) but one was not located. Approximately 150 gallons of water were introduced into the system with no back-up occurring.	

HOME LAND

ENVIRONMENTAL

p:443-995-5385 | f:443-267-0098 | info@homelandhealthyhomes.com | www.homelandhealthyhomes.com



Picture 1: The septic tank is located off the right side of the house, with a 6-inch metal cleanout serving as access at grade.



Picture 2: The drywell is approximately 6 feet off the back of the septic tank.



Picture 3: A metal manhole riser with a metal lid serves as access at grade. The drywell is 3 feet below grade.

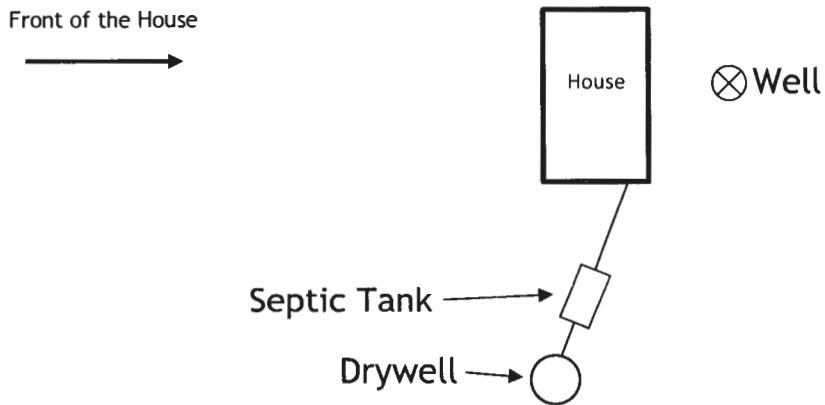
p:443-995-5385 | f:443-267-0098 | info@mdwellandseptic.com | www.homelandseptic.com

HOME LAND

ENVIRONMENTAL


p:443-995-5385 | info@homelandhealthyhomes.com | www.homelandhealthyhomes.com

Sketch of System



DISCLAIMERS

- This is a subjective and visual inspection only, the conclusions of which are based on the observed condition of the system components that could reasonably be accessed, and information known about the system at the time this report was completed. There may be unknown historical problems or unseen conditions which may compromise the conclusions stated in this report.
- A 'Satisfactory' evaluation does not mean the system will meet the local approving authority's criteria for determining compliance with state code: COMAR 26.04.02.02 D(4).
- The evaluation of the Sewage Disposal System as reported is based on the conditions observed on the day of the inspection.
- This report is neither a WARRANTY nor does it GUARANTEE continued acceptable functionality or performance of the Sewage Disposal Systems operations.
- If the house has been unoccupied the findings in this report may not be accurate, as limited or no use of the system may conceal or mask problems that may be revealed under typical sewage loading.
- If the general ground condition is excessively wet at the time of inspection, the findings in this report may not be accurate, as ground moisture may cover or hide septic effluent that may be on or near the ground surface.
- If the house is vacant or the conditions excessively wet during inspection, it is recommended that the system be reevaluated at a later date and/or alternate techniques be used to address those potential issues.
- Payment and/or use of this evaluation signify understanding and acceptances of the above clauses, as well as any noted faults with the system.

Representative's Signature:		Date: 11/8/2017
Amount: \$295	Check Number: Credit Card	Date Paid: 11/8/2017