



**APPENDIX D**  
**SUMMARY OF SANITARY SURVEYS**

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Strasburg Township, Lancaster County  
Summary of On-Lot Sanitary Surveys

Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
1	Potential Malfunction	Soil Restrictions	1998	Well	Drilled	176	Yes	110	Up slope	Softener	No			1
2	Potential Malfunction	Unknown Permitting	1998	Well	Drilled	215	Yes	Unknown	Up slope	UV, Softener	Yes	1996	Bacteria	1
3	Potential Malfunction	Soil Restrictions	1998	Well	Drilled	425	Yes	100	Up slope	UV	Yes	Unknown	Unknown	1
4	Potential Malfunction	Soil Restrictions	1998	Well	Drilled	400	Yes	150	Up slope	UV	Yes	1994	No Bacteria	0.576
5	Potential Malfunction	Unknown Permitting, Soil Restrictions	1998	Well	Drilled	450	Yes	100	Up slope	None	Yes	1996	Unknown	1
6	Potential Malfunction	Unknown Permitting, Soil Restrictions	8/10/2011 (Re-surveyed from 1998)	Well	Drilled	Unknown	Yes	200	Up slope	None	Yes	1991	Unknown	0.7
7	Suspected Malfunction	Green lush grass, Unknown Permitting, Soil Restrictions	8/10/2011 (Re-surveyed from 1998)	Well	Drilled	150	Yes	150	Up slope	Softener	Yes	1991	Unknown	0.8
8	Potential Malfunction	Soil Restrictions	1998	Well	Drilled	140	Yes	100	Up slope	Softener	Yes	Unknown	Unknown	0.5
9	Confirmed Malfunction	Reported Sewage Backup, Wet or spongy areas, Odors, Unknown Permitting, Soil Restrictions	1998	Well	Drilled	220	Yes	100	Up slope	UV, Filter	Yes	1998	No Bacteria	2.5
10	No Malfunction		8/10/2011 (Re-surveyed from 1998)	Well	Drilled	180	Yes	100	Up slope	UV, Softener	Yes	2001	Unknown	0.33
11	Potential Malfunction	Unknown Permitting	8/10/2011 (Re-surveyed from 1998)	Well	Drilled	295	Yes	150	Up slope	None	Yes	2006	Unknown	0.5
12	Confirmed Malfunction	Best Technical Guidance Repair, Soil Restrictions	8/10/2011 (Re-surveyed from 1998)	Well	Drilled	280	Yes	80	Up slope	Conditioner	Yes	1992	Unknown	0.5
13	Potential Malfunction	Soil Restrictions	1998	Well	Drilled	180	Yes	90	Up slope	None	Yes	Unknown	Unknown	0.5
14	Potential Malfunction	Unknown Permitting, Soil Restrictions	8/10/2011	Well	Drilled	Unknown	Yes	100	Up slope	Filter	Yes	Unknown	Unknown	0.5
15	Suspected Malfunction	Green lush grass, Odors, Waterponding on surface, Unknown Permitting	8/10/2011 (Re-surveyed from 1998)	Well	Drilled	700	Yes	100	Up slope	None	Yes	1985	Unknown	0.5
16	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting, Soils Restrictions	8/10/2011 (Re-surveyed from 1998)	Well	Drilled	200 and 400	Yes	100	Up slope	Softener	Unknown	Unknown	Unknown	0.5
17	No Malfunction		8/30/2011	Well	Drilled	Unknown	Yes	150	Up slope	None	Yes	2009	No Bacteria	0.75
18	Suspected Malfunction	Green lush grass	8/24/2011	Well	Drilled	220	Yes	125	Up slope	None	Yes	Unknown	Unknown	1
19	Potential Malfunction	Unknown Permitting	8/25/2011	Well	Drilled	400	Yes	100	Up slope	Softener, Reverse Osmosis	Yes	2010	Unknown	0.8

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
1	Potential Malfunction	Soil Restrictions	1	1	Elevated Sand Mound	Same as Sewage	33	Yes	None	Yes	Every 2-3 years	1996	Yes
2	Potential Malfunction	Unknown Permitting	1	1	Elevated Sand Mound	Same as Sewage	32	Unknown	None	Yes	Every 2 years	1996	No
3	Potential Malfunction	Soil Restrictions	1	1	Elevated Sand Mound	Same as Sewage	30	Yes	None	Yes	Yearly	Unknown	No
4	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	32	Yes	None	Yes	Every 2 years	1996	No
5	Potential Malfunction	Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	29	Unknown	None	Yes	Every 2 years	1997	No
6	Potential Malfunction	Unknown Permitting, Soil Restrictions	1	1	Elevated Sand Mound	Same as Sewage	23	Unknown	None	Yes	Every 2 years	2009	No
7	Suspected Malfunction	Green lush grass, Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	23	Unknown	None	Yes	Every 2-3 years	2008	No
8	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	31	Yes	None	Yes	Once	1996	No
9	Confirmed Malfunction	Reported Sewage Backup, Wet or spongy areas, Odors, Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	33	Unknown	Yes	Yes	Every 2 years	1997	No
10	No Malfunction		1	1	Elevated Bed	Same as Sewage	3	Yes	None	Yes	Every 2 years	2010	Yes
11	Potential Malfunction	Unknown Permitting	1	1	Elevated Sand Mound	Same as Sewage	19	Yes	Yes	Yes	Every 2 years	2010	Yes
12	Confirmed Malfunction	Best Technical Guidance Repair, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	19	Yes	Yes	Yes	Every 2 years	2011	Unknown
13	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	32	Yes	None	Yes	Every 3 years	1995	No
14	Potential Malfunction	Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	33	Yes	None	Yes	Every 4 years	2011	No
15	Suspected Malfunction	Green lush grass, Odors, Waterponding on surface, Unknown Permitting	1	1	Elevated Sand Mound	Same as Sewage	28	Yes	Yes	Yes	Every 2 years	2010	No
16	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting, Soils Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	33	Unknown	None	Yes	Every 2-3 years	2010	No
17	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	21	Yes	None	No			No
18	Suspected Malfunction	Green lush grass	1	1	Septic Tank / Drain Field	Same as Sewage	19	Yes	None	Yes	Once	2008	No
19	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	20	Unknown	None	Yes	Every 2-3 years	2010	No

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
1	Potential Malfunction	Soil Restrictions	1995	Unknown	Pipe Connected to House				
2	Potential Malfunction	Unknown Permitting				3.5	<1	8	
3	Potential Malfunction	Soil Restrictions							
4	Potential Malfunction	Soil Restrictions							
5	Potential Malfunction	Unknown Permitting, Soil Restrictions							
6	Potential Malfunction	Unknown Permitting, Soil Restrictions				3.0	118	<1	
7	Suspected Malfunction	Green lush grass, Unknown Permitting, Soil Restrictions				8.4	78	<1	
8	Potential Malfunction	Soil Restrictions							
9	Confirmed Malfunction	Reported Sewage Backup, Wet or spongy areas, Odors, Unknown Permitting, Soil Restrictions				0.1	<1	<1	Foul odors seep into house during prolonged periods of rain.
10	No Malfunction		2008	Yes	Tank, Line and Drainfield Replaced	1.7	4	3	
11	Potential Malfunction	Unknown Permitting	1992	Yes	Tank, Line and Drainfield Replaced	1.7	1	<1	
12	Confirmed Malfunction	Best Technical Guidance Repair, Soil Restrictions	1992	Yes	Drain Field	1.5	5	<1	
13	Potential Malfunction	Soil Restrictions							
14	Potential Malfunction	Unknown Permitting, Soil Restrictions				<0.5	3.0	<1	
15	Suspected Malfunction	Green lush grass, Odors, Waterponding on surface, Unknown Permitting				<0.5	3.0	<1	
16	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting, Soils Restrictions				1.2	10	<1	
17	No Malfunction								
18	Suspected Malfunction	Green lush grass							
19	Potential Malfunction	Unknown Permitting							

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
20	No Malfunction		8/9/2011	Well	Drilled	550	Yes	150	Up slope	Filter	Yes	2000	No Bacteria	1.125
21	No Malfunction		9/19/2011	Well	Drilled	200	Yes	100	Up slope	Filter	Yes	2001	Unknown	0.87
22	No Malfunction		9/2/2011	Well	Drilled	200	Yes	150	Up slope	None	No			0.9
23	Potential Malfunction	Unknown Permitting	1998	Well	Drilled	150	Yes	1000	Up slope	None	Yes	1997	Unknown	1
24	Potential Malfunction	System location not compliant with Twp Ordinance	1998	Well	Drilled	60	Yes	80	Up slope	None	Yes	1996	Unknown	0.92
25	Confirmed Malfunction	Pipe discharges to surface; no evidence of sewage	1998	Well	Drilled	120	Yes	90	Up slope	None	Yes	1990	No Bacteria	0.83
26	Suspected Malfunction	Green lush grass, Odors	1995	Well	Drilled	Unknown	Unknown	200	Up slope	Softener	Yes	1995	Unknown	1.19
27	Suspected Malfunction	Green lush grass	1998	Well	Drilled	340	Yes	50	Down slope	UV	Yes	1993	Bacteria	1
28	Potential Malfunction	System location not compliant with Twp Ordinance, Unknown Permitting	1998	Well	Drilled	55	Yes	200	Up slope	None	Yes	1996	No Bacteria	0.5
29	No Malfunction		1998	Well	Drilled	300	Yes	70	Up slope	Softener	Yes	1995	No Bacteria	1
30	No Malfunction		1998	Well	Drilled	375	Yes	150	Up slope	Softener, Filter	Yes	1993	Unknown	1
31	Potential Malfunction	Unknown Permitting, System location not compliant with Twp Ordinance	1998	Well	Drilled	150	Yes	70	Up slope	Distilled	Yes	1992	No Bacteria	0.72
32	Potential Malfunction	System location not compliant with Twp Ordinance	1998	Well	Drilled	300	Yes	100	No slope	None	Yes	1995	No Bacteria	0.53
33	Potential Malfunction	System location not compliant with Twp Ordinance	1998	Well	Drilled	350	Yes	100	Up slope	Softener	Yes	1993	Unknown	0.63
34	Potential Malfunction	System location not compliant with Twp Ordinance	1998	Well	Drilled	100	Yes	30	Up slope	Softener	Yes	1988	Bacteria	0.69
35	Suspected Malfunction	Green lush grass, Unknown Permitting	8/9/2011	Well	Drilled	80	Yes	50	Up slope	UV and Softener	Yes	2001	Bacteria	1.5
36	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass	8/9/2011	Well	Drilled	Unknown	Yes	50	Up slope	None	Yes	2008	Bacteria	0.25
37	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass, Graywater discharges to surface; no evidence of sewage	8/9/2011 (Re-surveyed from 1998)	Well	Drilled	60	Yes	40	Up slope	Neutralizer	Yes	1996	No Bacteria	0.28

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
20	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	22	Yes	None	No			No
21	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	22	Yes	None	Yes	Every year	2010	No
22	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	18	Yes	None	Yes	Every 2-3 years	2011	No
23	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
24	Potential Malfunction	System location not compliant with Twp Ordinance	1	1	Septic Tank / Drain Field	Same as Sewage	36	Yes	None	Yes	Three Occasions	1997	No
25	Confirmed Malfunction	Pipe discharges to surface; no evidence of sewage	1	2	Septic Tank / Drain Field	Pipe to Surface	41	Yes	None	Yes	Every 4 years	1997	No
26	Suspected Malfunction	Green lush grass, Odors	1	1	Elevated Sand Mound	Same as Sewage	16	Yes	None	No			
27	Suspected Malfunction	Green lush grass	1	1	Septic Tank / Drain Field	Same as Sewage	18	Yes	None	No			No
28	Potential Malfunction	System location not compliant with Twp Ordinance, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	36	Unknown	None	Yes	Unknown	1993	No
29	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	43	Yes	None	Yes	Every 2 years	1996	No
30	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	18	Yes	None	Yes	Every 3 years	1997	No
31	Potential Malfunction	Unknown Permitting, System location not compliant with Twp Ordinance	1	1	Septic Tank / Drain Field	Same as Sewage	46	Unknown	None	Yes	Every 3 years	1997	No
32	Potential Malfunction	System location not compliant with Twp Ordinance	1	1	Septic Tank / Drain Field	Same as Sewage	41	Yes	None	Yes	Every 3 years	1997	No
33	Potential Malfunction	System location not compliant with Twp Ordinance	1	1	Septic Tank / Drain Field	Same as Sewage	33	Yes	None	Yes	Two Occasions	Unknown	No
34	Potential Malfunction	System location not compliant with Twp Ordinance	1	1	Septic Tank / Drain Field	Same as Sewage	31	Yes	None	Yes	Every 5 years	1996	No
35	Suspected Malfunction	Green lush grass, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 2 years	2011	No
36	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass	1	1	Elevated Sand Mound	Same as Sewage	19	Yes	Yes	Yes	Every 2 years	2010	Yes
37	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass, Graywater discharges to surface; no evidence of sewage	1	2	Septic Tank / Drain Field	Pipe to Surface	23	Yes	None	Yes	Every 3 years	2010	Yes

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
20	No Malfunction					12.3	89	<1	
21	No Malfunction								
22	No Malfunction								
23	Potential Malfunction	Unknown Permitting							Purchased home 2 years ago
24	Potential Malfunction	System location not compliant with Twp Ordinance							
25	Confirmed Malfunction	Pipe discharges to surface; no evidence of sewage				2.3	<1	<1	
26	Suspected Malfunction	Green lush grass, Odors							
27	Suspected Malfunction	Green lush grass							
28	Potential Malfunction	System location not compliant with Twp Ordinance, Unknown Permitting							
29	No Malfunction					1.5	<1	<1	
30	No Malfunction								
31	Potential Malfunction	Unknown Permitting, System location not compliant with Twp Ordinance							
32	Potential Malfunction	System location not compliant with Twp Ordinance				0.3	<1	<1	
33	Potential Malfunction	System location not compliant with Twp Ordinance							
34	Potential Malfunction	System location not compliant with Twp Ordinance							
35	Suspected Malfunction	Green lush grass, Unknown Permitting				8.7	74	<1	
36	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass	1992	Yes	Tank, Line and Drainfield Replaced	10.0	2	<1	
37	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass, Graywater discharges to surface; no evidence of sewage	Unknown	Yes	Tank, Line and Drainfield Replaced	18.0	<1	<1	

\*DEP Malfunction Determination completed by HRG.



Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
38	Suspected Malfunction	Wetness or spong areas, Unknown Permitting, Soils Restrictions	8/8/2011	Well	Drilled	40	Yes	70	No slope	Softener, Reverse Osmosis, Neutralizer	Yes	Unknown	Unknown	1.5
39	Potential Malfunction	Soil Restrictions	9/19/2011	Well	Drilled	90	Yes	50	Up slope	None	Yes	Unknown	No Bacteria	0.46
40	Potential Malfunction	Unknown Permitting	9/19/2011	Well	Drilled	60	Yes	75	Down slope	None	Yes	2010	No Bacteria	2
41	Potential Malfunction	Unknown Permitting, Soils Restrictions	8/8/2011	Well	Drilled	72	Yes	100	Up slope	None	Yes	2001	Bacteria	1
42	Confirmed Malfunction	Graywater Discharged to Surface, Cesspool, Unknown Permitting	1998	Well	Drilled	200	Yes	50	No slope	None	No			0.5
43	Potential Malfunction	Unknown Permitting	1998	Well	Drilled	100	Yes	80	Down slope	None	Yes	1996	Unknown	0.5
44	Potential Malfunction	System location not compliant with Twp Ordinance, Unknown Permitting on Repair	1998	Well	Drilled	120	Yes	75	Up slope	Softener	Yes	1992	Unknown	0.5
45	Potential Malfunction	Unknown Permitting	9/2/2011	Well	Drilled	200	Yes	125	Up slope	Softener	Yes	2007	No Bacteria	0.7
46	Potential Malfunction	System location not compliant with Twp Ordinance	1998	Well	Drilled	100	Yes	100	No slope	None	Yes	1997	Unknown	0.5
47	Suspected Malfunction	Green lush grass	8/9/2011 (Re-surveyed from 1998)	Well	Drilled	185	Yes	125	Up slope	None	Yes	2008	Unknown	1
48	Confirmed Malfunction	Best Technical Guidance Repair, Unknown Permitting on Repair, Unknown Permitting	1998	Well	Drilled	400	Yes	75	Unknown	None	Yes	1995	Unknown	0.79
49	Suspected Malfunction	Odors	1998	Well	Drilled	400	Yes	80	Up slope	UV and Softener	Yes	1996	Bacteria	29
50	No Malfunction		9/19/2011	Well	Drilled	325	Yes	120	Down slope	None	Yes	1992	Unknown	2
51	No Malfunction		1998	Well	Drilled	100	Yes	100	Down slope	None	No			1
52	Suspected Malfunction	Green lush grass, Unknown Permitting	8/8/2011 (Re-surveyed from 1998)	Well	Drilled	Unknown	Yes	50	Up slope	Softener	No			0.5
53	Suspected Malfunction	Green lush grass, Unknown Permitting	8/8/2011	Well	Drilled	Unknown	Yes	50	Up slope	None	Yes	2006	Unknown	0.75
54	Confirmed Malfunction	Best Technical Guidance Repair, Wastewater backing up into home, Odors, Unknown Permitting on Repair, Unknown Permitting	1998	Well	Drilled	55	Yes	50	No slope	None	No			1

\*DEP Malfunction Determination completed by HRG.

**Bold** indicates analytical results exceed Safe Drinking Waters Act [1974] standards

Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
38	Suspected Malfunction	Wetness or spong areas, Unknown Permitting, Soils Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 2 years	2010	No
39	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	40	Yes	None	Yes	Every year	2010	No
40	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	44	Unknown	None	Yes	Every 3 years	2008	No
41	Potential Malfunction	Unknown Permitting, Soils Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	55	Unknown	None	Yes	Every 3 years	2010	No
42	Confirmed Malfunction	Graywater Discharged to Surface, Cesspool, Unknown Permitting	1	1	Cesspool	Pipe to Surface	59	Unknown	None	No			No
43	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	54	Unknown	None	Yes	Every 18 months	1996	No
44	Potential Malfunction	System location not compliant with Twp Ordinance, Unknown Permitting on Repair	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 3 years	1995	Yes
45	Potential Malfunction	Unknown Permitting	1	1	Elevated Sand Mound	Same as Sewage	13	Unknown	None	Yes	Unknown	Unknown	Yes
46	Potential Malfunction	System location not compliant with Twp Ordinance	1	1	Septic Tank / Drain Field	Same as Sewage	48	Yes	None	Yes	Every year	1997	No
47	Suspected Malfunction	Green lush grass	1	1	Septic Tank / Drain Field	Same as Sewage	19	Yes	None	Yes	Every 2 years	2010	No
48	Confirmed Malfunction	Best Technical Guidance Repair, Unknown Permitting on Repair, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	43	Unknown	None	Yes	Every 3 years	1995	Yes
49	Suspected Malfunction	Odors	1	1	Septic Tank / Drain Field	Same as Sewage	31	Yes	None	Yes	Every 10 years	1997	No
50	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	20	Yes	None	Yes	Every 2 years	2009	No
51	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	18	Yes	None	Yes	Every 2 year	1996	No
52	Suspected Malfunction	Green lush grass, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	44	Unknown	None	Yes	Every 2-3 years	2008	No
53	Suspected Malfunction	Green lush grass, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 5 years	2008	No
54	Confirmed Malfunction	Best Technical Guidance Repair, Wastewater backing up into home, Odors, Unknown Permitting on Repair, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 4-5 years	1997	Yes

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
38	Suspected Malfunction	Wetness or spong areas, Unknown Permitting, Soils Restrictions				10.4	83	<1	
39	Potential Malfunction	Soil Restrictions							
40	Potential Malfunction	Unknown Permitting				10.1	<1	<1	
41	Potential Malfunction	Unknown Permitting, Soils Restrictions				11.7	62	<1	
42	Confirmed Malfunction	Graywater Discharged to Surface, Cesspool, Unknown Permitting							
43	Potential Malfunction	Unknown Permitting							
44	Potential Malfunction	System location not compliant with Twp Ordinance, Unknown Permitting on Repair	1990	Unknown	Replaced Drain Field				
45	Potential Malfunction	Unknown Permitting	1998	Unknown	Tank, Line and Drain Field Replaced				
46	Potential Malfunction	System location not compliant with Twp Ordinance							
47	Suspected Malfunction	Green lush grass				9.7	1	<1	
48	Confirmed Malfunction	Best Technical Guidance Repair, Unknown Permitting on Repair, Unknown Permitting	1995	Unknown	New Pipe from Septic Tank to Drain Field				
49	Suspected Malfunction	Odors				6.5	8	2.6	
50	No Malfunction								
51	No Malfunction								
52	Suspected Malfunction	Green lush grass, Unknown Permitting				13.5	50	<1	
53	Suspected Malfunction	Green lush grass, Unknown Permitting				13.1	>201	<1	Owner purchased property 5 years ago.
54	Confirmed Malfunction	Best Technical Guidance Repair, Wastewater backing up into home, Odors, Unknown Permitting on Repair, Unknown Permitting	1986(1), 1989(2), 1992(3)	Unknown	(1) Replaced Pipe connected to Septic Tank; (2) Replaced Pipe connected to Septic Tank; (3) Replaced Vent Pipe at Drain Field				

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
55	Confirmed Malfunction	Best Technical Guidance Repair, Wastewater backing up into home, Unknown Permitting on Repair, Unknown Permitting	1998	Well	Drilled	100	Yes	70	Unknown	None	No			0.66
56	Confirmed Malfunction	Best Technical Guidance Repair, Wastewater backing up into home, Unknown Permitting on Repair	1998	Well	Drilled	350	Yes	68	Unknown	None	Yes	Unknown	Unknown	0.5
57	Confirmed Malfunction	Graywater discharged to Cesspool, Wastewater backing into home, system overflow, Unknown Permitting	8/9/2011	Well	Drilled	Unknown	Yes	25	No slope	Filter	Yes	1991	Unknown	2.25
58	Confirmed Malfunction	Best Technical Guidance Repair	1998	Well	Drilled	Unknown	Yes	60	Up slope	Filter	Yes	1997	Unknown	2
59	Suspected Malfunction	Cesspool, Unknown Permitting	1998	Well	Drilled	300	Yes	100	Up slope	None	Yes	1997	Unknown	1
60	Potential Malfunction	Unknown Permitting	1998	Well	Drilled	Unknown	Yes	50	Unknown	None	Yes	1996	Unknown	0.5
61	Suspected Malfunction	Cesspool, Unknown Permitting	8/9/2011	Well	Drilled	Unknown	Yes	50	Up slope	None	Yes	2001	No Bacteria	0.5
62	Suspected Malfunction	Green lush grass, Unknown Permitting, No Permitting on Repair	8/8/2011	Well	Drilled	Unknown	Yes	150	No slope	Filter	No			0.75
63	No Malfunction		1998	Well	Drilled	50	Yes	95	Unknown	None	Yes	1995	Unknown	1.3
64	No Malfunction		1998	Well	Drilled	500	Yes	300	No slope	UV	Yes	1995	Bacteria	85
65	Potential Malfunction	Unknown Permitting	1998	Well	Drilled	190	Yes	100	No slope	None	Yes	Unknown	Bacteria	2.33
66	Potential Malfunction	Soil Restrictions	8/8/2011	Well	Drilled	250	Yes	100	Up slope	Softener	Yes	2001	Bacteria	84
67	Suspected Malfunction	Green lush grass, Unknown Permitting	8/9/2011	Well	Drilled	325	Yes	50	Up slope	None	Unknown			1
68	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass, No Permitting on Repair, Unknown Permitting	8/8/2011 (Re-surveyed from 1998)	Well	Drilled	Unknown	Yes	50	Down slope	None	Yes	2002	Unknown	0.25
69	Confirmed Malfunction	Best Technical Guidance Repair	8/9/2011	Well	Drilled	350	Yes	38	Down slope	Softener	Yes	1997	Unknown	0.32
70	Suspected Malfunction	Cesspool, Green lush grass, Odors, Unknown Permitting	8/8/2011 (Re-surveyed from 1998)	Well	Drilled	120	Yes	65	No slope	Softener, Filter	Yes	Unknown	Unknown	0.25
71	Confirmed Malfunction	Best Technical Guidance Repair	1998	Well	Drilled	Unknown	Yes	40	Up slope	None	Yes	1994	Unknown	Unknown

\*DEP Malfunction Determination completed by HRG.

**Bold** indicates analytical results exceed Safe Drinking Waters Act [1974] standards

Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
55	Confirmed Malfunction	Best Technical Guidance Repair, Wastewater backing up into home, Unknown Permitting on Repair, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	45	Unknown	None	Yes	Every 3 years	1995	Yes
56	Confirmed Malfunction	Best Technical Guidance Repair, Wastewater backing up into home, Unknown Permitting on Repair	1	1	Septic Tank / Drain Field	Same as Sewage	27	Yes	Yes	Yes	Every 2 years	Unknown	Yes
57	Confirmed Malfunction	Graywater discharged to Cesspool, Wastewater backing into home, system overflow, Unknown Permitting	1	1	Septic Tank / Drain Field	Cesspool	20	Unknown	None	Yes	Every 3 years	2009	No
58	Confirmed Malfunction	Best Technical Guidance Repair	1	1	Septic Tank / Drain Field	Same as Sewage	11	Yes	None	Yes	Every 3 years	1995	Yes
59	Suspected Malfunction	Cesspool, Unknown Permitting	1	1	Cesspool	Same as Sewage	Unknown	Unknown	None	Yes	Every 2 years	1997	No
60	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	No			No
61	Suspected Malfunction	Cesspool, Unknown Permitting	1	1	Cesspool	Same as Sewage	Unknown	Unknown	None	Yes	Every 2 years	2011	No
62	Suspected Malfunction	Green lush grass, Unknown Permitting, No Permitting on Repair	1	1	Septic Tank / Drain Field	Same as Sewage	5	Unknown	None	Yes	Every year	2010	Yes
63	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	19	Yes	None	Yes	Every 3 years	1995	No
64	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	19	Yes	None	Yes	Twice a year	1997	No
65	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 3 years	1998	No
66	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	20	Yes	None	Yes	Every 3 years	2008	No
67	Suspected Malfunction	Green lush grass, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 18 months	2010	No
68	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass, No Permitting on Repair, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	23	Unknown	None	Yes	Every 2 years	2011	Yes
69	Confirmed Malfunction	Best Technical Guidance Repair	1	1	Septic Tank / Drain Field	Same as Sewage	1	Yes	None	Yes	Every 2 years	2011	Yes
70	Suspected Malfunction	Cesspool, Green lush grass, Odors, Unknown Permitting	1	1	Cesspool	Same as Sewage	Unknown	No	None	Yes	Every 2 years	2008	No
71	Confirmed Malfunction	Best Technical Guidance Repair	1	1	Septic Tank / Drain Field	Same as Sewage	13	Yes	Yes	Yes	Every 2 years	1997	Yes

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
55	Confirmed Malfunction	Best Technical Guidance Repair, Wastewater backing up into home, Unknown Permitting on Repair, Unknown Permitting	Unknown	Unknown	Replaced Pipe from House to Septic Tank				
56	Confirmed Malfunction	Best Technical Guidance Repair, Wastewater backing up into home, Unknown Permitting on Repair	1989	Unknown	Replaced Pipe from House to Septic Tank				
57	Confirmed Malfunction	Graywater discharged to Cesspool, Wastewater backing into home, system overflow, Unknown Permitting				5.8	2	<1	
58	Confirmed Malfunction	Best Technical Guidance Repair	2000	Yes	Tank, Line and Drain Field Replaced				
59	Suspected Malfunction	Cesspool, Unknown Permitting							
60	Potential Malfunction	Unknown Permitting							
61	Suspected Malfunction	Cesspool, Unknown Permitting				5.2	<1	<1	
62	Suspected Malfunction	Green lush grass, Unknown Permitting, No Permitting on Repair	2006	No	Tank, Line and Drainfield Replaced	8.3	48	<1	Owner stated that tank, line, and drainfield were replaced 5 years ago but not due to any malfunctions.
63	No Malfunction								
64	No Malfunction					2.8	8	8	
65	Potential Malfunction	Unknown Permitting				4.3	8	<1	
66	Potential Malfunction	Soil Restrictions				20.8	130	<1	
67	Suspected Malfunction	Green lush grass, Unknown Permitting				<0.5	<1	<1	
68	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass, No Permitting on Repair, Unknown Permitting	2006	No	Motor in Dosing Tank	11.3	83	<1	
69	Confirmed Malfunction	Best Technical Guidance Repair	2011	Yes	Tank, Line and Drainfield Replaced	1.2	>201	1	
70	Suspected Malfunction	Cesspool, Green lush grass, Odors, Unknown Permitting				13.2	165	<1	
71	Confirmed Malfunction	Best Technical Guidance Repair	1998	Yes	Cesspool Removed and Replaced with new OLDS				

Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
72	Confirmed Malfunction	Best Technical Guidance Repair	1998	Well	Drilled	75	Yes	90	Up slope	Softener	Yes	1998	Unknown	0.25
73	Confirmed Malfunction	Best Technical Guidance Repair, Graywater discharged to Cesspool, Unknown Permitting on Repair, Unknown Permitting	1998	Well	Drilled	165	Yes	48	Up slope	Softener	Yes	1991	Unknown	0.5
74	Potential Malfunction	Unknown Permitting	1998	Well	Drilled	Unknown	Yes	Unknown	Unknown	None	No			0.34
75	Suspected Malfunction	Cesspool, System Overflow, Unknown Permitting	8/8/2011	Well	Drilled	375	Yes	100	Up slope	Softener	Yes	2001	Bacteria	0.5
76	Suspected Malfunction	Cesspool, Unknown Permitting	1998	Well	Drilled	80	Yes	75	No slope	None	Yes	1981	Unknown	0.25
77	Suspected Malfunction	Green lush grass, wetness or spongy areas	8/8/2011	Well	Drilled	175	Yes	50	Up slope	None	Yes	1984	Unknown	0.76
78	Confirmed Malfunction	Graywater discharged to surface, Cesspool, Unknown Permitting	1998	Well	Drilled	225	Yes	200	Down slope	None	No			0.25
79	Potential Malfunction	System location not compliant with Twp Ordinance	1998	Well	Drilled	Unknown	Yes	50	No slope	Softener	Yes	Unknown	Unknown	0.46
80	Potential Malfunction	Unknown Permitting	8/9/2011	Well	Drilled	100	Yes	50	Up slope	None	Yes	2008	Unknown	0.5
81	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting	8/9/2011	Well	Drilled	65	Yes	50	Down slope	Softener	Yes	2008	Unknown	0.69
82	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting	8/8/2011	Well	Drilled	Unknown	Yes	50	Up slope	None	No			0.5
83	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting	8/8/2011	Well	Drilled	Unknown	Yes	50	Up slope	None	No			0.5
84	No Malfunction		9/19/2011	Well	Drilled	Unknown	Yes	100	Up slope	None	Yes	1998	No Bacteria	31
85	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass	8/9/2011	Well	Drilled	Unknown	Yes	50	Up slope	None	Yes	2010	Bacteria	50
86	Potential Malfunction	Unknown Permitting	8/8/2011	Well	Drilled	375	Yes	125	Up slope	None	Yes	2006	Bacteria	0.85
87	Suspected Malfunction	Cesspool, Unknown Permitting	9/21/2011	Well	Drilled	196	Yes	100	Up slope	Yes	Yes	Unknown	Unknown	1
88	Potential Malfunction	Unknown Permitting	8/30/2001	Well	Drilled	75	Yes	200	Down slope	UV, Softener, Neutralizer	Yes	2010	Bacteria	2.5

Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
72	Confirmed Malfunction	Best Technical Guidance Repair	1	1	Septic Tank / Drain Field	Same as Sewage	18	Yes	Yes	Yes	Every 3 years	1995	Yes
73	Confirmed Malfunction	Best Technical Guidance Repair, Graywater discharged to Cesspool, Unknown Permitting on Repair, Unknown Permitting	1	1	Cesspool	Same as Sewage	61	Unknown	None	Yes	Every 2-3 years	1997	Yes
74	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	48	Unknown	None	Yes	Every 2-3 years	Unknown	No
75	Suspected Malfunction	Cesspool, System Overflow, Unknown Permitting	1	1	Cesspool	Same as Sewage	50	No	None	No			No
76	Suspected Malfunction	Cesspool, Unknown Permitting	1	1	Cesspool	Same as Sewage	Unknown	Unknown	None	Yes	Every year	1997	No
77	Suspected Malfunction	Green lush grass, wetness or spongy areas	1	1	Septic Tank / Drain Field	Same as Sewage	27	Yes	None	Yes	Every 3 years	2009	No
78	Confirmed Malfunction	Graywater discharged to surface, Cesspool, Unknown Permitting	1	1	Cesspool	Pipe to Surface	Unknown	Unknown	None	Yes	Unknown	1997	No
79	Potential Malfunction	System location not compliant with Twp Ordinance	1	1	Septic Tank / Drain Field	Same as Sewage	50	Unknown	None	Yes	Every 2 years	Unknown	No
80	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	27	Unknown	None	Yes	Every 2-3 years	2009	No
81	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	50	Unknown	None	Yes	Every 2 years	2009	No
82	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 1-2 years	2010	No
83	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 1-2 years	2010	No
84	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	21	Yes	None	Yes	Every 2-3 years	Unknown	No
85	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass	1	1	Septic Tank / Drain Field	Same as Sewage	14	Yes	None	No		Unknown	Yes
86	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 5 years	2006	No
87	Suspected Malfunction	Cesspool, Unknown Permitting	1	1	Cesspool	Same as Sewage	Unknown	Unknown	None	Yes	Every 2-3 years	2011	No
88	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	41	No	None	Yes	Every 2 years	2011	No

\*DEP Malfunction Determination completed by HRG.



Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
72	Confirmed Malfunction	Best Technical Guidance Repair	1991	Yes	Tank, Line and Drainfield Replaced	0.1	<1	<1	
73	Confirmed Malfunction	Best Technical Guidance Repair, Graywater discharged to Cesspool, Unknown Permitting on Repair, Unknown Permitting	1978	Unknown	New Tank and Drain Field				
74	Potential Malfunction	Unknown Permitting				16.7	8	<1	
75	Suspected Malfunction	Cesspool, System Overflow, Unknown Permitting				7.8	66	<1	
76	Suspected Malfunction	Cesspool, Unknown Permitting							
77	Suspected Malfunction	Green lush grass, wetness or spongy areas				14.9	>201	2	
78	Confirmed Malfunction	Graywater discharged to surface, Cesspool, Unknown Permitting							
79	Potential Malfunction	System location not compliant with Twp Ordinance							
80	Potential Malfunction	Unknown Permitting				12.9	101	<1	
81	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting				17.0	1.0	<1	
82	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting				16.9	>201	<1	
83	Suspected Malfunction	Green lush grass, Odors, Unknown Permitting				16.9	>201	<1	Rental property, resident recently moved in.
84	No Malfunction								
85	Confirmed Malfunction	Best Technical Guidance Repair, Green lush grass	1997	Yes	Tank, Line and Drain Field	0.1	4.6	<1	
86	Potential Malfunction	Unknown Permitting				20.8	130	<1	
87	Suspected Malfunction	Cesspool, Unknown Permitting							
88	Potential Malfunction	Unknown Permitting				6.4	118	<1	

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
89	Suspected Malfunction	Green lush grass	7/28/2011	Well	Drilled	Unknown	Yes	300	Up slope	None	Unknown	Unknown	Unknown	45
90	Potential Malfunction	Unknown Permitting	9/19/2011	Well	Drilled	Unknown	Yes	Unknown	Up slope	UV and Softener	Yes	2011	Unknown	0.5
91	Suspected Malfunction	Green lush grass, Soil Restrictions	9/19/2011	Well	Drilled	110	Yes	300	Up slope	UV and Softener	Yes	Unknown	Unknown	5.5
92	Suspected Malfunction	Cesspool, Unknown Permitting	8/8/2011	Well	Drilled	400	Yes	100	Up slope	None	Yes	2001	Unknown	1
93	No Malfunction		8/30/2011	Well	Drilled	330	Yes	100	Up slope	Softener	Yes	2007	No Bacteria	2
94	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting	8/30/2011	Well	Drilled	330	Yes	100	Up slope	Softener	Yes	2007	Unknown	2
95	No Malfunction		8/8/2011	Well	Drilled	100	Yes	125	Up slope	None	Yes	1991	Unknown	1
96	Potential Malfunction	Soil Restrictions	8/25/2011	Well	Drilled	Unknown	Yes	100	Up slope	None	Yes	2006	Unknown	0.52
97	No Malfunction		8/24/2011	Well	Drilled	Unknown	Yes	160	Up slope	None	No			0.75
98	Potential Malfunction	Soil Restrictions	8/25/2011	Well	Drilled	108	Yes	150	Up slope	None	No			3.3
99	No Malfunction		9/2/2011	Well	Drilled	300	Yes	80	Up slope	None	Yes	1998	Unknown	0.75
100	Suspected Malfunction	Wetness or spongy areas	8/30/2011	Well	Drilled	300	Yes	100	Up slope	None	Yes	2011	Bacteria	Unknown
101	Suspected Malfunction	Green lush grass, Wetness or spongy areas, Unknown Permitting	8/30/2011	Well	Drilled	Unknown	Yes	150	Up slope	None	Yes	2011	No Bacteria	23
102	Potential Malfunction	Unknown Permitting on Repair	7/28/2011	Well	Drilled	127	Yes	160	No slope	UV and Softener	Yes	2011	Unknown	Unknown
103	Potential Malfunction	Unknown Permitting on Repair	7/28/2011	Well	Drilled	100	Yes	100	Up slope	None	Yes	2009	No Bacteria	Unknown
104	Suspected Malfunction	Wetness or spongy areas, Unknown Permitting, Soil Restrictions	8/30/2011	Well	Drilled	800 and 800	Yes	150	Up slope	Softener, Iodine	Yes	2011	Unknown	2
105	No Malfunction		9/6/2011	Well	Drilled	300	Yes	100	Up slope	None	No			0.5

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
89	Suspected Malfunction	Green lush grass	1	1	Septic Tank / Drain Field	Same as Sewage	14	Yes	Yes	Yes	Every 2 years	2009	Yes
90	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	Unknown	Yes	Every 3 years	2011	No
91	Suspected Malfunction	Green lush grass, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	19	Yes	None	Unknown			No
92	Suspected Malfunction	Cesspool, Unknown Permitting	1	1	Cesspool	Same as Sewage	20	Unknown	None	Yes	Every 3 years	2010	No
93	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	32	Yes	None	Yes	Every year	2010	No
94	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	30	Unknown	None	Yes	Every 2 years	2010	Yes
95	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	20	Yes	None	Yes	Every 3-4 years	2011	No
96	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	1	Yes	Yes	Yes	Unknown	Unknown	Yes
97	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Yes	None	Yes	Every year	2010	No
98	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	26	Yes	None	Yes	Once	1998	No
99	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	13	Yes	None	Yes	Every 4 years	2008	No
100	Suspected Malfunction	Wetness or spongy areas	1	1	Septic Tank / Drain Field	Same as Sewage	16	Yes	None	Yes	Every 3 years	2008	No
101	Suspected Malfunction	Green lush grass, Wetness or spongy areas, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	28	Unknown	None	Yes	Every 3 years	2008	No
102	Potential Malfunction	Unknown Permitting on Repair	1	1	Septic Tank / Drain Field	Same as Sewage	15	Yes	None	Yes	Every 3 years	2011	Yes
103	Potential Malfunction	Unknown Permitting on Repair	1	1	Septic Tank / Drain Field	Same as Sewage	25	Unknown	None	Yes	Every 4 years	2008	Yes
104	Suspected Malfunction	Wetness or spongy areas, Unknown Permitting, Soil Restrictions	2	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 3 months	2011	No
105	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	18	Yes	None	Yes	Every 3 years	2008	No

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
89	Suspected Malfunction	Green lush grass	1997	Yes	Tank, Line and Drainfield Replaced	11.3	<1	<1	
90	Potential Malfunction	Unknown Permitting							Owner purchased property 6 years ago and does not have any information on the age of the septic condition
91	Suspected Malfunction	Green lush grass, Soil Restrictions							
92	Suspected Malfunction	Cesspool, Unknown Permitting				13.1	15	<1	
93	No Malfunction								
94	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting	2009	Unknown	Tank, Line and Drain Field Replaced				
95	No Malfunction					10.4	145	<1	
96	Potential Malfunction	Soil Restrictions	2010	Yes	Tank and Drain Field				
97	No Malfunction								Purchased home 3 years ago; Owner does not drink the water; Owner has observed white suds formation in water supply
98	Potential Malfunction	Soil Restrictions							
99	No Malfunction								
100	Suspected Malfunction	Wetness or spongy areas				0.9	1	1	
101	Suspected Malfunction	Green lush grass, Wetness or spongy areas, Unknown Permitting				6.5	1	<1	
102	Potential Malfunction	Unknown Permitting on Repair	2011	Unknown	Floats replaced in Dosing Tank	2.5	2.0	<1	
103	Potential Malfunction	Unknown Permitting on Repair	1986	Unknown	New line from house to septic tank	7.6	<1	<1	
104	Suspected Malfunction	Wetness or spongy areas, Unknown Permitting, Soil Restrictions							
105	No Malfunction								

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
106	Suspected Malfunction	Green lush grass, Unknown Permitting on Repair, Unknown Permitting, Soil Restrictions	7/28/2011	Well	Drilled	Unknown	Yes	100	Up slope	UV, Filter	Yes	2011	Unknown	2.5
107	No Malfunction		8/30/2011	Well	Drilled	180	Yes	200	Up slope	UV	Yes	2011	No Bacteria	2.5
108	Suspected Malfunction	No Permitting on Repair, Unknown Permitting, Odors	8/31/2011	Well	Drilled	Unknown	Yes	Unknown	Down slope	UV	Yes	2011	No Bacteria	2.97
109	No Malfunction		9/19/2011	Well	Drilled	150	Yes	100	Up slope	None	No			1.25
110	Potential Malfunction	No Permitting on Repair	8/31/2011	Well	Drilled	170	Yes	175	Up slope	None	Yes	1986	No Bacteria	2.4
111	No Malfunction		8/30/2011	Well	Drilled	200	Yes	300	Up slope	Softener	Yes	1996	Unknown	2
112	Potential Malfunction	Unknown Permitting	9/2/2011	Well	Drilled	Unknown	Yes	Unknown	Up slope	None	No			Unknown
113	Potential Malfunction	Unknown Permitting	8/31/2011	Well	Drilled	300	Yes	100	Up slope	UV, Filter, and Neutralizer	No			0.45
114	No Malfunction		8/31/2011	Well	Drilled	300	Yes	100	Up slope	UV, Filter, and Softener	No			0.5
115	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting, Soil Restrictions	7/28/2011	Well	Drilled	100	Yes	100	Up slope	Bleach	Yes	2008	Unknown	109
116	No Malfunction		7/28/2011	Well	Drilled	120	Yes	500	Up slope	Softener	Yes	Unknown	Unknown	3
117	Potential Malfunction	Unknown Permitting	8/31/2011	Well	Drilled	200	Yes	60	No slope	Softener	Yes	1994	No Bacteria	0.5
118	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting	7/29/2011	Well	Drilled	120	Yes	200	No slope	None	Yes	2010	Unknown	63
119	Potential Malfunction	Unknown Permitting	7/29/2011	Well	Drilled	120	Yes	100	Up slope	Softener, Filter	Yes	2010	Unknown	3
120	No Malfunction		8/30/2011	Well	Drilled	80	Yes	250	Up slope	None	Yes	Unknown	Unknown	0.5
121	Suspected Malfunction	Green lush grass	8/30/2001	Well	Drilled	400	Yes	120	Up slope	None	Yes	1996	Unknown	0.75
122	No Malfunction		8/31/2011	Well	Drilled	Unknown	Yes	100	Up slope	Softener	Yes	Unknown	Unknown	0.5
123	Potential Malfunction	Unknown Permitting	8/25/2011	Well	Drilled	Unknown	Yes	120	Down slope	Softener	Unknown			0.5
124	No Malfunction		8/30/2011	Well	Drilled	160	Yes	100	Up slope	None	Yes	Unknown	Unknown	0.75
125	Potential Malfunction	Soil Restrictions	8/31/2011	Well	Drilled	450	Yes	100	Up slope	None	No			Unknown
126	Potential Malfunction	Unknown Permitting on Repair, Soil Restrictions	8/26/2011	Well	Drilled	300	Yes	100	Up slope	None	Yes	1981	Bacteria	3
127	Potential Malfunction	Unknown Permitting	7/29/2011	Well	Drilled	400	Yes	200	Up slope	Softener	Yes	1996	Unknown	1
128	Potential Malfunction	Soil Restrictions	8/30/2011	Well	Drilled	340	Yes	150	Up slope	None	Yes	2010	Unknown	1.9

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
106	Suspected Malfunction	Green lush grass, Unknown Permitting on Repair, Unknown Permitting, Soil Restrictions	2	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Quarterly	2011	Yes
107	No Malfunction		1	1	Elevated Sand Mound	Same as Sewage	6	Yes	None	Yes	Every year	2010	No
108	Suspected Malfunction	No Permitting on Repair, Unknown Permitting, Odors	2	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 6 weeks	2011	Yes
109	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	25	Yes	None	Yes	Unknown	2005	No
110	Potential Malfunction	No Permitting on Repair	1	1	Septic Tank / Drain Field	Same as Sewage	34	Yes	None	Yes	Every 2 years	2011	Yes
111	No Malfunction		2	1	Septic Tank / Drain Field	Same as Sewage	31	Yes	None	Yes	Every 2 years	2010	No
112	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	Yes	Yes	Every 2-3 years	2009	Yes
113	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every year	2010	Unknown
114	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	1	Yes	Yes	Yes	Every year	2010	Yes
115	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	20	Unknown	None	Yes	Every 3 years	2008	Yes
116	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	17	Yes	Yes	Yes	As Needed	2010	Yes
117	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	18	Unknown	None	Yes	Every 3 years	2008	No
118	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	6	Unknown	None	Yes	Every 3 years	2009	Yes
119	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 3 years	2008	Unknown
120	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	40	Yes	None	Yes	Once	2001	No
121	Suspected Malfunction	Green lush grass	1	1	Septic Tank / Drain Field	Same as Sewage	28	Yes	None	Yes	Every 3-5 years	2008	No
122	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	25	Yes	None	Yes	Unknown	Unknown	No
123	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	14	Unknown	None	Yes	Every 3 years	2009	No
124	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	27	Yes	None	Yes	Three Occasions	2008	No
125	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	31	Yes	None	Yes	Every 3 years	2009	No
126	Potential Malfunction	Unknown Permitting on Repair, Soil Restrictions	1	1	Septic Tank with Aeration / Drain Field	Same as Sewage	30	Yes	None	Yes	Every 3-5 years	2011	Yes
127	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	30	Unknown	None	Yes	Once	1996	No
128	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	20	Yes	None	Yes	Every 2 years	2010	No

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
106	Suspected Malfunction	Green lush grass, Unknown Permitting on Repair, Unknown Permitting, Soil Restrictions	Unknown	Unknown	Line was damaged by Utility Company	2.2	45	<1	
107	No Malfunction								
108	Suspected Malfunction	No Permitting on Repair, Unknown Permitting, Odors	Unknown	No	Baffle in Septic Tank		<1	<1	Owned property since 1997
109	No Malfunction								
110	Potential Malfunction	No Permitting on Repair	Unknown	No	Line from building to Sept Tank				
111	No Malfunction						\		
112	Potential Malfunction	Unknown Permitting	1993	Yes	Tank, Line and Drain Field Replaced				Purchased home 6 years ago
113	Potential Malfunction	Unknown Permitting	Unknown	Unknown					
114	No Malfunction		2010	Yes	Tank, Line and Drain Field Replaced				
115	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting, Soil Restrictions	1991	Unknown	Tank	19.6	<1	<1	
116	No Malfunction		1992	Yes	Tank, Line and Drainfield Replaced	23.1	1	<1	
117	Potential Malfunction	Unknown Permitting							
118	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting	Unknown	Unknown	Replaced Tank, New Drain Field	8.8	<1	<1	
119	Potential Malfunction	Unknown Permitting				15.1	3	1	
120	No Malfunction								
121	Suspected Malfunction	Green lush grass							
122	No Malfunction								
123	Potential Malfunction	Unknown Permitting							
124	No Malfunction								
125	Potential Malfunction	Soil Restrictions							Well on property is a Soak Well with a cistern; Owner does not drink the water
126	Potential Malfunction	Unknown Permitting on Repair, Soil Restrictions	Unknown	Unknown	Aerator Pump				
127	Potential Malfunction	Unknown Permitting				0.1	3	<1	
128	Potential Malfunction	Soil Restrictions							

\*DEP Malfunction Determination completed by HRG.

**Bold** indicates analytical results exceed Safe Drinking Waters Act [1974] standards

Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
129	Potential Malfunction	Soil Restrictions	8/30/2011	Well	Drilled	380	Yes	130	Up slope	Unknown	Yes	Unknown	No Bacteria	0.87
130	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting, Soil Restrictions	7/29/2011	Well	Drilled	Unknown	Yes	100	Up slope	Softener, Filter	Yes	2001	No Bacteria	0.75
131	Potential Malfunction	Unknown Permitting, Soil Restrictions	9/2/2011	Well	Drilled	600	Yes	100	Down slope	UV and Softener	Yes	Unknown	Bacteria	0.9
132	Potential Malfunction	Soil Restrictions	7/29/2011	Well	Drilled	400 and 800	Yes	100	Up slope	Softener	Yes	2010	Unknown	6
133	Suspected Malfunction	Green lush grass	7/29/2011	Well	Drilled	Unknown	Yes	200	No slope	Softener	Yes	2001	No Bacteria	0.5
134	No Malfunction		8/30/2011	Well	Drilled	350	Yes	60	Up slope	UV and Softener	Yes	1999	Unknown	0.5
135	Confirmed Malfunction	Best Technical Guidance Repair	7/29/2011	Well	Dugged	20	No	50	No slope	None	Yes	2001	Bacteria	3
136	Suspected Malfunction	Green lush grass, Unknown Permitting, Soil Restrictions	9/19/2011	Well	Drilled	30	Yes	50	Up slope	Softener	No			0.75
137	No Malfunction		8/30/2011	Well	Drilled	Unknown	Yes	100	Up slope	Softener	Yes	2008	Unknown	0.75
138	Potential Malfunction	Unknown Permitting, Soil Restrictions	7/29/2011	Spring	N/A	Unknown	Unknown	400	No slope	UV, Softener, Filter	Yes	2008	Unknown	150
139	Potential Malfunction	Soil Restrictions	8/30/2011	Well	Drilled	250	Yes	150	Up slope	None	Yes	Unknown	Unknown	1.5
140	Potential Malfunction	Soil Restrictions	9/19/2011	Well	Drilled	150	Yes	120	Up slope	UV, Filter	Yes	2006	No Bacteria	11.8
141	Potential Malfunction	Unknown Permitting	7/29/2011	Well	Drilled	Unknown	Yes	100	Up slope	None	Yes	2001	No Bacteria	1
142	Suspected Malfunction	Unknown Permitting, Soil Restrictions	7/29/2011	Well	Drilled	Unknown	Yes	200	Up slope	None	No			2
143	Potential Malfunction	Soil Restrictions	8/30/2011	Well	Drilled	Unknown	Yes	50	Up slope	Softener	Yes	Unknown	Unknown	0.417
144	No Malfunction		9/6/2011	Well	Drilled	135	Yes	95	Up slope	None	Yes	1999	Unknown	0.48
145	Potential Malfunction	Unknown Permitting, Soil Restrictions	8/31/2011	Well	Drilled	Unknown	Yes	100	Up slope	None	No			0.5
146	Confirmed Malfunction	Best Technical Guidance Repair, Unknown Permitting on Repair, Unknown Permitting	8/26/2011	Well	Drilled	230	Yes	50	Down slope	Conditioner, pH Adjuster	Yes	2008	Unknown	1.8
147	Suspected Malfunction	Unknown Permitting, Soil Restrictions	7/29/2011	Well	Drilled	Unknown	Yes	100	Up slope	None	Yes	2007	No Bacteria	0.75
148	Potential Malfunction	Unknown Permitting, Soil Restrictions	8/25/2011	Well	Drilled	Unknown	Yes	100	Up slope	Softener	Yes	2007	Unknown	0.75
149	Potential Malfunction	Unknown Permitting, Soil Restrictions	8/24/2011	Well	Drilled	500	Yes	100	Up slope	None	Yes	2002	Unknown	4
150	Potential Malfunction	Soil Restrictions	9/19/2011	Well	Drilled	80	Yes	100	Down slope	None	Yes	2005	Unknown	2
151	No Malfunction		9/19/2011	Well	Drilled	525	Yes	200	Unknown	Softener	Yes	2006	Unknown	5
152	Confirmed Malfunction	Green lush grass, No Permitting on Repair, Unknown Permitting	7/29/2011	Well	Drilled	100, 200 and 200	Yes	100	Up slope	Softener	Yes	2010	Bacteria	19.8

\*DEP Malfunction Determination completed by HRG.



Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
129	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	4	Yes	Yes	Yes	Every year	2010	Yes
130	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting, Soil Restrictions	1	1	Elevated Sand Mound	Same as Sewage	8	Unknown	None	Yes	Every 3 years	2010	Yes
131	Potential Malfunction	Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	43	Unknown	None	None	Every 3 years	2008	No
132	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	11	Yes	Yes	Yes	Every 3 years	2010	Yes
133	Suspected Malfunction	Green lush grass	1	1	Elevated Sand Mound	Same as Sewage	7	Yes	Yes	Yes	Every year	2010	Yes
134	No Malfunction		1	1	Elevated Sand Mound	Same as Sewage	12	Yes	None	Yes	Every 3 years	2009	No
135	Confirmed Malfunction	Best Technical Guidance Repair	1	2	Septic Tank / Drain Field	Same as Sewage	18	Yes	Yes	Yes	Every 2 years	2011	Yes
136	Suspected Malfunction	Green lush grass, Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Once	2001	No
137	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	24	Yes	None	Yes	Every 2 years	2010	No
138	Potential Malfunction	Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	49	Unknown	None	Yes	As Needed	2007	No
139	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	34	Yes	None	Yes	Every 2-3 years	2011	No
140	Potential Malfunction	Soil Restrictions	1	1	Elevated Sand Mound	Same as Sewage	Unknown	Yes	None	Yes	Every 2-3 years	2010	No
141	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	20	Unknown	None	Yes	Every year	2010	No
142	Suspected Malfunction	Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	20	Unknown	None	Yes	Every year	2010	No
143	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	36	Yes	None	Yes	Every 3 years	2011	No
144	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	46	Yes	None	Yes	Every 5 years	2005	No
145	Potential Malfunction	Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	46	Unknown	None	Yes	Every 2 years	2010	No
146	Confirmed Malfunction	Best Technical Guidance Repair, Unknown Permitting on Repair, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	39	Unknown	None	Yes	Every 2-3 years	2010	Yes
147	Suspected Malfunction	Unknown Permitting, Soil Restrictions	1	1	Elevated Sand Mound	Same as Sewage	22	Yes	None	Yes	Every 2 years	2009	No
148	Potential Malfunction	Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	40	Unknown	None	Yes	Every 2-3 years	2009	No
149	Potential Malfunction	Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	9	Unknown	None	Yes	Every 2-3 years	2011	No
150	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	6	Yes	None	Yes	Every 2-3 years	2008	Yes
151	No Malfunction		1	1	Elevated Sand Mound	Same as Sewage	5	Yes	None	Yes	Every year	2011	No
152	Confirmed Malfunction	Green lush grass, No Permitting on Repair, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	25	Unknown	None	Yes	Every 3 years	2010	Yes

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
129	Potential Malfunction	Soil Restrictions	2007	Yes	Tank, Line and Drain Field Replaced				
130	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting, Soil Restrictions	2003	Unknown	Tank, Line and Drainfield Replaced	14.0	2	<1	
131	Potential Malfunction	Unknown Permitting, Soil Restrictions							
132	Potential Malfunction	Soil Restrictions	2000	Yes	Tank, Line and Drainfield Replaced	3.2	18	<1	
133	Suspected Malfunction	Green lush grass	2001	Yes	Tank, Line and Drainfield Replaced	11.8	1	<1	
134	No Malfunction								
135	Confirmed Malfunction	Best Technical Guidance Repair	1993	Yes	Tank	7.9	11	<1	
136	Suspected Malfunction	Green lush grass, Unknown Permitting, Soil Restrictions							
137	No Malfunction								
138	Potential Malfunction	Unknown Permitting, Soil Restrictions				13.6	22	2	Owner stated that farmer located up slope from their property applies Class A Biosolids to land as fertilizer. Runoff from farm flows in direction of Owner's spring location.
139	Potential Malfunction	Soil Restrictions							
140	Potential Malfunction	Soil Restrictions							
141	Potential Malfunction	Unknown Permitting				20.5	9	<1	
142	Suspected Malfunction	Unknown Permitting, Soil Restrictions				13.9	<1	<1	
143	Potential Malfunction	Soil Restrictions							
144	No Malfunction								
145	Potential Malfunction	Unknown Permitting, Soil Restrictions							
146	Confirmed Malfunction	Best Technical Guidance Repair, Unknown Permitting on Repair, Unknown Permitting	1995	Unknown	Unknown				
147	Suspected Malfunction	Unknown Permitting, Soil Restrictions				17.3	<1	<1	
148	Potential Malfunction	Unknown Permitting, Soil Restrictions							
149	Potential Malfunction	Unknown Permitting, Soil Restrictions							
150	Potential Malfunction	Soil Restrictions	2005	Yes	Tank, Line, and Drain Field Replaced				
151	No Malfunction								
152	Confirmed Malfunction	Green lush grass, No Permitting on Repair, Unknown Permitting	Unknown	No	Existing Tank moved due to construction of new building	12.1	>201	<1	

\*DEP Malfunction Determination completed by HRG.

Strasburg Township, Lancaster County  
Summary of On-Lot Sanitary Surveys

Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
153	Confirmed Malfunction	Green lush grass, Unknown Permitting	7/29/2011	Well	Drilled	Unknown	Yes	200	No slope	Softener	Yes	2008	Unknown	40
154	No Malfunction		8/25/2011	Well	Drilled	450	Yes	75	No slope	Filter	Yes	2009	Unknown	1
155	Potential Malfunction	No Permitting on Repair	8/26/2011	Well	Drilled	110	Yes	100	No slope	None	Yes	Unknown	Unknown	1.5
156	Potential Malfunction	Soil Restrictions	8/25/2011	Well	Drilled	Unknown	Yes	100	Up slope	Softener	Yes	Unknown	Unknown	0.11
157	Potential Malfunction	Odors, Unknown Permitting	8/24/2011	Well	Drilled	Unknown	Yes	100	Up slope	None	No			9.5
158	Suspected Malfunction	Cesspool, Unknown Permitting	9/6/2011	Well	Drilled	Unknown	Yes	100	Up slope	Softener	Yes	Unknown	Unknown	0.35
159	Potential Malfunction	Unknown Permitting	8/2/2011	Well	Drilled	150	Yes	900	Up slope	None	Yes	2001	No Bacteria	19
160	Potential Malfunction	Unknown Permitting	8/8/2011	Well	Drilled	150	Yes	100	Up slope	Filter	Yes	2001	No Bacteria	0.97
161	No Malfunction		8/2/2011	Well	Drilled	285	Yes	100	Down slope	Softener	Yes	2001	No Bacteria	0.9
162	Potential Malfunction	Unknown Permitting	8/2/2011	Well	Drilled	310	Yes	250	Up slope	Softener	No			0.5
163	Potential Malfunction	Unknown Permitting	9/6/2011	Well	Drilled	180	Yes	100	Up slope	None	Yes	Unknown	Unknown	1
164	Potential Malfunction	Unknown Permitting	8/25/2011	Well	Drilled	400	Yes	100	No slope	Softener, Reverse Osmosis	Yes	2009	Unknown	0.46
165	No Malfunction		8/25/2011	Well	Drilled	400	Yes	100	Up slope	Softener, Reverse Osmosis	Yes	2010	Unknown	0.46
166	No Malfunction		8/25/2011	Well	Drilled	200	Yes	40	Down slope	Softener	Yes	2009	Unknown	0.51
167	No Malfunction		8/25/2011	Well	Drilled	Unknown	Yes	115	Down slope	Softener	Yes	2011	Unknown	0.51
168	Potential Malfunction	Unknown Permitting	8/2/2011	Well	Drilled	Unknown	Yes	100	Up slope	Softener, Reverse Osmosis	No			4.5
169	No Malfunction		8/26/2011	Well	Drilled	325	Yes	50	Up slope	Softener	Yes	Unknown	Unknown	0.8
170	Potential Malfunction	Soil Restrictions	8/24/2011	Well	Drilled	520 and 350	Yes	150	Up slope	Softener	Yes	2003	Unknown	1.1
171	Potential Malfunction	Unknown Permitting	8/30/2011	Well	Drilled	75	Yes	125	Up slope	Softener, Filter, Neutralizer	Yes	2010	No Bacteria	0.33
172	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting	9/19/2011	Well	Drilled	Unknown	Yes	150	Up slope	None	Yes	1995	Bacteria	0.5
173	Confirmed Malfunction	Best Technical Guidance Repair, Unknown Permitting on Repair	9/2/2011	Well	Drilled	170	Yes	90	Up slope	UV and Softener	Yes	2007	No Bacteria	0.46
174	No Malfunction		9/19/2011	Well	Drilled	280	Yes	55	Up slope	None	Yes	1990	Unknown	2
175	Potential Malfunction	Soil Restrictions	8/2/2011	Well	Drilled	400	Yes	125	Up slope	None	Yes	2003	No Bacteria	2
176	No Malfunction		9/19/2011	Well	Drilled	150	Yes	45	Down slope	None	Yes	Unknown	Unknown	3.5

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
153	Confirmed Malfunction	Green lush grass, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	21	Unknown	None	Yes	Every 6 months	2011	No
154	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	22	Yes	None	Yes	Every 3-4 years	2011	No
155	Potential Malfunction	No Permitting on Repair	1	1	Septic Tank / Drain Field	Same as Sewage	33	Yes	None	Yes	Every 3-4 years	2008	Yes
156	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	30	Yes	None	Yes	Every year	2011	No
157	Potential Malfunction	Odors, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every 3-5 years	Unknown	Unknown
158	Suspected Malfunction	Cesspool, Unknown Permitting	1	1	Cesspool	Same as Sewage	48	No	None	Yes	Every 3 years	Unknown	No
159	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	13	Unknown	None	Yes	Every 5 years	2006	No
160	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every year	2011	Yes
161	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	9	Yes	Yes	Yes	Every 2 years	2009	Yes
162	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	25	Unknown	None	Yes	Every 3-5 years	2006	No
163	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	Yes	Every year	2010	No
164	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	25	Unknown	None	Yes	Every 2 years	2010	No
165	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	2007	Yes	Yes	Yes	Every 3 years	2010	Yes
166	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	25	Yes	None	Yes	Every 3-5 years	2009	No
167	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	23	Yes	None	Yes	Every 2 years	2010	No
168	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	25	Unknown	None	Yes	Every 2-3 years	2010	No
169	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	32	Yes	None	Yes	Every 2 years	2010	No
170	Potential Malfunction	Soil Restrictions	1	1	Elevated Sand Mound	Same as Sewage	8	Yes	None	Yes	Every 2 years	2011	No
171	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	50	No	None	Yes	Every 4 years	2011	No
172	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	37	Unknown	None	Yes	Two Occasions	2010	Yes
173	Confirmed Malfunction	Best Technical Guidance Repair, Unknown Permitting on Repair	1	1	Septic Tank / Drain Field	Same as Sewage	18	Yes	None	Yes	Every 3 years	2009	Yes
174	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	35	Yes	None	Yes	Every 3 years	2010	No
175	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	36	Yes	None	Yes	Every 3-5 years	2006	No
176	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	40	Yes	None	Yes	Every 3 years	2011	No

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
153	Confirmed Malfunction	Green lush grass, Unknown Permitting				14.6	5	<1	
154	No Malfunction								
155	Potential Malfunction	No Permitting on Repair	2009	No	Unknown				
156	Potential Malfunction	Soil Restrictions							
157	Potential Malfunction	Odors, Unknown Permitting							
158	Suspected Malfunction	Cesspool, Unknown Permitting							
159	Potential Malfunction	Unknown Permitting				12.0	>201	27	
160	Potential Malfunction	Unknown Permitting	2009	Yes	New line from house to septic tank	18.0	<1	<1	
161	No Malfunction		2002	Yes	Tank, Line and Drainfield Replaced	22.3	5	<1	
162	Potential Malfunction	Unknown Permitting				11.9	>201	101	
163	Potential Malfunction	Unknown Permitting							
164	Potential Malfunction	Unknown Permitting							
165	No Malfunction		2007	Yes	Added Tank and Drain Field				Owner alternates between older system and newer system every 3 years
166	No Malfunction								
167	No Malfunction								
168	Potential Malfunction	Unknown Permitting				3.6	>201	<1	
169	No Malfunction								
170	Potential Malfunction	Soil Restrictions							
171	Potential Malfunction	Unknown Permitting							
172	Potential Malfunction	Unknown Permitting on Repair, Unknown Permitting	2002	Unknown	Replaced Riser on Septic Tank	5.4	2.6	Unknown	
173	Confirmed Malfunction	Best Technical Guidance Repair, Unknown Permitting on Repair	Unknown	Unknown	Distribution Box	4.0	<1	<1	
174	No Malfunction								
175	Potential Malfunction	Soil Restrictions				12.7	2	<1	
176	No Malfunction								

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Field Inspection Completion Date	Water Supply	Well Type	Well Depth (ft)	Cased	Distance from Drain Field (ft)	Well Location from Septic	Water Treatment	Water Tested	Date	Results	Lot Size (acres)
177	No Malfunction		8/31/2011	Well	Drilled	200	Yes	150	Up slope	None	No			0.5
178	No Malfunction		8/2/2011	Well	Drilled	170	Yes	130	Up slope	Softener	Yes	1982	Unknown	0.5
179	Potential Malfunction	Unknown Permitting	9/6/2011	Well	Drilled	500	Yes	100	Up slope	Reverse Osmosis	Yes	2010	Unknown	5
180	No Malfunction		9/2/2011	Well	Dugged	12	No	300	Up slope	UV and Softener	Yes	Unknown	Unknown	15.8
181	Suspected Malfunction	Green lush grass	8/25/2011	Well	Drilled	185	Yes	150	Up slope	Softener	Yes	2011	Unknown	0.55
182	Suspected Malfunction	Green lush grass	8/26/2011	Well	Drilled	75	Yes	100	Up slope	None	No			0.31
183	Suspected Malfunction	Cesspool, Unknown Permitting, Soil Restriction	8/30/2011	Well	Drilled	125	Yes	120	Up slope	None	No			1.3
184	No Malfunction		8/2/2011	Well	Drilled	200	Yes	150	Up slope	Softener, pH	Yes	2010	Unknown	63
185	No Malfunction		9/21/2011	Well	Drilled	300	Yes	100	No slope	UV, Reverse Osmosis	Yes	Unknown	Unknown	6
186	Suspected Malfunction	Cesspool, Green lush grass, Unknown Permitting	8/8/2011	Well	Drilled	89	Yes	100	Up slope	Softener, Neutralizer	Yes	Unknown	Unknown	1
187	Potential Malfunction	Soil Restrictions	8/8/2011	Well	Drilled	140	Yes	125	Down slope	Filter	Yes	2001	No Bacteria	0.75
188	Suspected Malfunction	Green lush grass, Odors, No Permitting on Repair	8/8/2011	Well	Drilled	Unknown	Yes	100	Down slope	None	Yes	2006	Unknown	120
189	No Malfunction		8/31/2011	Well	Drilled	350	Yes	200	Up slope	UV	Yes	Unknown	Unknown	60
190	No Malfunction		9/21/2011	Well	Drilled	120	Yes	100	Up slope	None	Yes	2008	Unknown	Unknown
191	Potential Malfunction	Unknown Permitting	9/19/2011	We	Drilled	Unknown	Yes	Unknown	Unknown	None	Unknown			2
192	Suspected Malfunction	Cesspool, Unknown Permitting	8/8/2011	Well	Drilled	25	Yes	100	Up slope	None	Yes	2001	No Bacteria	1.5
193	No Malfunction		8/8/2011	Well	Drilled	Unknown	Yes	60	Up slope	Reverse Osmosis	Yes	2008	Unknown	100
194	Suspected Malfunction	Cesspool, Unknown Permitting, Soil Restrictions	8/8/2011	Well	Drilled	300	Yes	50	Up slope	None	Yes	2001	No Bacteria	2
195	Suspected Malfunction	Green lush grass, Unknown Permitting, Soil Restrictions	8/25/2011	Well	Drilled	200	Yes	200	Up slope	None	Yes	Unknown	Unknown	70
196	Potential Malfunction	Unknown Permitting, Soil Restrictions	9/2/2011	Well	Drilled	Unknown	Unknown	100	Up slope	UV, Filter, and Softener	Yes	2006	Unknown	1
197	Suspected Malfunction	Green lush grass, Unknown Permitting	9/19/2011	Well	Drilled	Unknown	Yes	200	Up slope	UV and Filter	No			0.4
198	Potential Malfunction	Unknown Permitting	8/26/2011	Well	Drilled	90	Yes	100	Down slope	Softener	Yes	Unknown	Unknown	0.52

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	Dwelling Units	# of OLDS	OLDS Type	Graywater Discharge	OLDS Age (years)	Permitted	Reported OLDS Problems	System Pumped	How Often Pumped	Last Time	OLDS Repair
177	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	13	Yes	None	Yes	Every 2-3 years	2009	No
178	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	33	Yes	None	Yes	Every 3 years	2009	No
179	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	None	No			
180	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	35	Yes	None	Yes	Every 5 years	2010	No
181	Suspected Malfunction	Green lush grass	1	1	Septic Tank / Drain Field	Same as Sewage	33	Yes	None	Yes	Every 3 years	2011	No
182	Suspected Malfunction	Green lush grass	1	1	Septic Tank / Drain Field	Same as Sewage	24	Yes	None	Yes	Every 2 years	2010	No
183	Suspected Malfunction	Cesspool, Unknown Permitting, Soil Restriction	1	1	Cesspool	Same as Sewage	25	No	None	Yes	Every 2 years	2008	No
184	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	15	Yes	None	No			No
185	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	6	Yes	None	Yes	Once	2005	No
186	Suspected Malfunction	Cesspool, Green lush grass, Unknown Permitting	1	1	Cesspool	Same as Sewage	39	No	None	Yes	Every 4-5 years	2011	No
187	Potential Malfunction	Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	18	Yes	Yes	Yes	Every 4-5 years	2007	Yes
188	Suspected Malfunction	Green lush grass, Odors, No Permitting on Repair	1	1	Septic Tank / Drain Field	Same as Sewage	22	Yes	None	Yes	Every 2-3 years	2009	Yes
189	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	11	Yes	None	Yes	Every 3 years	2008	No
190	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Yes	None	Yes	Unknown	Unknown	No
191	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	Unknown	Yes	Every 2-3 years	2009	Unknown
192	Suspected Malfunction	Cesspool, Unknown Permitting	1	1	Cesspool	Same as Sewage	25	No	None	Yes	As Needed	2008	No
193	No Malfunction		1	1	Septic Tank / Drain Field	Same as Sewage	17	Yes	None	Yes	Every 2 years	2011	No
194	Suspected Malfunction	Cesspool, Unknown Permitting, Soil Restrictions	1	1	Cesspool	Same as Sewage	50	No	None	Yes	Every 5 years	Unknown	No
195	Suspected Malfunction	Green lush grass, Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	30	Unknown	None	Yes	Every 1-2 years	2010	Unknown
196	Potential Malfunction	Unknown Permitting, Soil Restrictions	1	1	Septic Tank / Drain Field	Same as Sewage	40	Unknown	None	Yes	Every 3 years	2009	No
197	Suspected Malfunction	Green lush grass, Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	Unknown	Unknown	Unknown	Yes	Once	1996	Unknown
198	Potential Malfunction	Unknown Permitting	1	1	Septic Tank / Drain Field	Same as Sewage	47	Unknown	None	Yes	Every 2 years	2010	No

\*DEP Malfunction Determination completed by HRG.

Survey Number	DEP Malfunction Classification**	Reason	When Repaired	Repair Permitted	Part Repaired/Replaced	Nitrate Results (mg/L)	Total Coliform (bacteria/100 ml)	Fecal Coliform (bacteria/100 ml)	Notes from On-lot Inspection
177	No Malfunction								
178	No Malfunction					7.6	6	<1	
179	Potential Malfunction	Unknown Permitting							
180	No Malfunction								Well water not used for drinking
181	Suspected Malfunction	Green lush grass							
182	Suspected Malfunction	Green lush grass							
183	Suspected Malfunction	Cesspool, Unknown Permitting, Soil Restriction							Owner has owned the property for 25 years; Cesspool was existing
184	No Malfunction					13.5	2	<1	
185	No Malfunction								
186	Suspected Malfunction	Cesspool, Green lush grass, Unknown Permitting				6.1	130	<1	
187	Potential Malfunction	Soil Restrictions	1993	Yes	Tank, Line and Drainfield Replaced	2.5	165	<1	
188	Suspected Malfunction	Green lush grass, Odors, No Permitting on Repair	2010	No	Line	8.3	>201	<1	
189	No Malfunction								
190	No Malfunction								
191	Potential Malfunction	Unknown Permitting							
192	Suspected Malfunction	Cesspool, Unknown Permitting				19.6	>201	<1	
193	No Malfunction					25.9	145	2	
194	Suspected Malfunction	Cesspool, Unknown Permitting, Soil Restrictions				8.2	>201	<1	
195	Suspected Malfunction	Green lush grass, Unknown Permitting, Soil Restrictions							
196	Potential Malfunction	Unknown Permitting, Soil Restrictions							
197	Suspected Malfunction	Green lush grass, Unknown Permitting							Owner purchased property 15 years ago and is unfamiliar with history of septic system
198	Potential Malfunction	Unknown Permitting							

\*DEP Malfunction Determination completed by HRG.

**Bold** indicates analytical results exceed Safe Drinking Waters Act [1974] standards