FINAL TECHNICAL MEMORANDUM
2016 ANNUAL WELL-INSPECTION SURVEY AND WELL MAINTENANCE REPORT
FORMER GRIFFISS AIR FORCE BASE
ROME, NEW YORK

PREPARED FOR:	Mr. David Farnsworth/Former Griffiss Air Force Base (AFB), Base Realignment and Closure (BRAC) Environmental Coordinator (BEC) and Contracting Officer's Representative (COR)
PREPARED BY :	Bhate Environmental Associates, Inc.
COPIES:	Mr. Robert Morse, United States Environmental Protection Agency (USEPA) Ms. Heather Bishop, New York State Department of Environmental Conservation (NYSDEC)
DATE:	March 17, 2017

INTRODUCTION AND OBJECTIVES

Bhate Environmental Associates, Inc. (Bhate) was retained by the Air Force Civil Engineer Center (AFCEC), Contract Number FA8903-16-F-0012, to conduct environmental remediation activities to achieve performance objective goals at multiple sites at the Former Griffiss Air Force Base (AFB) and the Former Plattsburgh AFB. Under this contract, Bhate has prepared this Technical Memorandum (Tech Memo) for the inspection and maintenance of existing groundwater wells at the Former Griffiss AFB. The Former Griffiss AFB is located in the City of Rome in Oneida County, New York (**Figure 1**). Well locations are shown on **Plate 1.**

The purpose of this inspection was to note the presence or absence of wells, evaluate the condition of wells that are included in the current groundwater sampling program, identify deficiencies and then make repairs, and ensure there has been no unauthorized usage, encroachment upon, or interference with the Former Griffiss AFB wells. The inventoried wells included permanent monitoring wells, temporary monitoring wells, and remedial system process wells installed as part of the Air Force's Installation Restoration Program (IRP). In addition to documenting results of the well inventory, this Tech Memo presents the details of any well maintenance and repair activities performed along with providing recommendations for future maintenance/repair and well decommissioning.

WELL INVENTORY

A comprehensive list containing 422 well locations formed the initial basis of the 2016 inventory and inspection field activities. Following a review of historical well decommissioning reports, the well list was reduced to 378 wells. The 2016 well inventory was the first comprehensive inventory or inspection reported for the Former Griffiss AFB since 2010 (FPM Group Ltd. [FPM], January 2010). A previous well inventory was also performed in 1991 (Law Environmental, May 1991). Other documents referenced in the preparation of this Tech Memo include:

- *Draft Well Decommissioning Report Former Griffiss Air Force Base Long-Term Monitoring Program* (FPM, January 2004)
- *Final Additional AOC9 Predesign Investigation Data Summary Report, Former Griffiss Air Force Base* (Ecology and Environment Engineering, P.C. [EEEPC]/Parsons, November 2007).
- *Technical Memorandum for Predesign Investigation 2 (Additional Investigations at Landfill 6 and* [Area of Concern] *AOC9)* (Parsons, May 2007)
- *Monitoring Well Decommissioning Report Round 4 and Round 5,* Long Term Monitoring (LTM) *Program Former Griffiss Air Force Base – Revision 1.0* (FPM, January 2010)
- *Final Interim Remedial Action Completion Report for Remedy-in-Place and Construction Complete for the On-Base Groundwater Area of Concern (SD-52)* (EEEPC/Parsons, August 2011)
- *Final Well Decommissioning Report NYSDEC Spill Number 9707954 SS063/Apron 1* (AECOM/Cape, September 2015)
- *Final Well Decommissioning Report NYSDEC Spill Number 8910168 SS066/Building 786* (AECOM/Cape, September 2015)
- *Final Well Decommissioning Report NYSDEC Spill Number 9706957 SS068-Building 7001* (AECOM/Cape, September 2015)
- *Final Well Decommissioning Report NYSDEC Spill Number 9713631 SS064/Apron 2* (AECOM/Cape, December 2015)
- *Well Decommissioning Report NYSDEC Spill Number 9413416 SD041/Nosedocks 1 and 2* (AECOM/Cape, May 2016)

Field activities associated with the well inventory were conducted intermittently from October 2016 through March 2017. Technicians examined and noted the condition of each well that could be located. The well inventory information is summarized in **Table 1**.

Data collection for the Former Griffiss AFB well inventory was separated into two distinct classes of wells:

1.) Wells included in the Fall 2016 groundwater LTM program [76 total]

2.) Wells not included in the Fall 2016 groundwater LTM program [302 total]

Wells that were not sampled as part of the Fall 2016 groundwater LTM program received a visual inspection, but structural integrity was not evaluated. A visual inspection of physical condition and structural integrity was performed at wells sampled as part of the Fall 2016 groundwater LTM program. Details recorded during the visual inspection included presence/absence of the well itself, well identification, well lock, and well cap. Also the inspections noted the type of surface completion, condition of the concrete pad where applicable, along with any existing general maintenance issues. Details recorded during the structural integrity check included presence/absence of; dedicated downhole sampling equipment, a clearly marked measuring point, obstructions along with well plumbness, and a measurement of the total depth. Comparison of the total depth measurements to as-built well

depth specifications (where available) allowed evaluation of whether or not fines (i.e., silt and fine sand) had entered the well screens (see **Table 1**). Field information was recorded on individual well inspection sheets (see **Appendix A**). Findings of the 2016 well inventory are presented in **Table 1** and summarized below.

Of the roster containing 378 wells associated with the Former Griffiss AFB, 274 wells were located during inspection field activities. Seventy-six (76) of the 274 located wells were part of the Fall 2016 groundwater LTM sampling program, and received both a visual inspection along with a structural integrity check. The remaining 198 wells received visual inspections only.

A total of 104 wells could not be located during 2016 field activities. Reasons for not locating wells included dense/overgrown vegetation, redevelopment activities, past remedial excavation activities, access limitations, lack of available detailed maps, time constraints, and snow/ice ground cover. Sites/areas tied to wells that were not located are FT030 (1 well), LF001 (4 wells), LF003 (1 well), Three Mile Creek (2 wells), Building 785 Pipeline (2 wells), SD052-01 (9 wells), SD052-02 (1 well), SD052-05 (5 wells), SS062 (72 wells), SS063 (6 wells), and SS067 (1 well). Locations of wells that were not identified during the 2016 well inventory are shown on **Plate 1**. Efforts to locate and inspect these wells will continue throughout the ensuing years of this contract and the well inventory will be updated accordingly.

Two wells contained in the Former Griffiss AFB well roster were field confirmed as being abandoned with grout (782VMW-77 and 782VMW-91). Both of these wells were associated with the SD052-01 site and record of their decommissioning was not identified in previous reports.

No signs of unauthorized well usage was identified during the 2016 well inventory.

WELL MAINTENANCE

The 2016 well inventory found 274 of 378 existing wells at the Former Griffiss AFB. A total of 124 wells were classified as needing repairs. Five wells were identified as having more than 30 percent (%) of their screen filled with sediment and therefore requiring redevelopment (LF6VMW-26, 782VMW-84D, 817MW-2, WSAMW-18, and AOC9MW-15).

The most common deficiencies observed during 2016 well inventory were the absence of clearly marked well identifications and the absence of locks on wells whose surface completions were compatible with lock installation for security purposes. Other deficiencies that were noted include the absence of well caps, protective bollards being knocked over or missing, and a missing protective steel riser lid. While instances of missing or knocked over bollards were noted, the steel risers surrounding well casings remained intact, providing adequate protection from impact.

During the 2017 field season, well identifications will be added to locations where this shortcoming was observed (**Table 1**). A paint pen, metal stamping kit, or alternate method will be used to mark well identifications where needed.

Well locks were installed at a total of 16 locations during the Fall 2016 groundwater LTM sampling event. Additional well locks will be installed at the wells identified in **Table 1** throughout the 2017 field season. Wells without locks that are located within secure areas of the Former Griffiss AFB (fenced area with restricted access) are not anticipated to receive new locks in 2017, but will be installed later, once more critical repairs have been completed on the

current well network.

WELL DISCREPANCIES

As-built depth information was not available in the United States Air Force (USAF) Environmental Resources Program Information Management System (ERPIMS) for four wells that were gauged during the Fall 2016 groundwater LTM event (775MW-19R, 782VMW-121, 782VMW-121D, and 782VMW-84D). The total depth and screened interval presented in **Table 1** for these wells were drawn from field notes contained in the *Final Interim Remedial Action Completion Report for Remedy-in-Place and Construction Complete for the On-Base Groundwater Area of Concern (SD-52)* (EEEPC/Parsons, August 2011).

It should be noted that the as-built depth for monitoring well LF6TW-33 was incorrectly listed in ERPIMS as 25 feet (ft) below ground surface (bgs) with a screened interval of 15 to 25 ft bgs. The total depth of this well was measured at 42.0 ft below top of casing during the Fall 2016 groundwater LTM event. In reviewing previous groundwater sampling forms, a total depth of approximately 42 ft below top of casing has been consistently recorded for this well. Additionally, the as-built depths within ERPIMS for monitoring wells LF6TW-34 through LF6TW-36 and LF6TW-38 were incorrectly listed as 25 ft bgs with screened intervals of 15 to 25 ft bgs. The total depths of these wells was measured to be in excess of 55 ft below top of casing. The as-built total depth and screened interval presented in **Table 1** for these wells were drawn from the *Technical Memorandum for Predesign Investigation 2 (Additional Investigations at Landfill 6 and AOC9)* (Parsons, May 2007).

The ground surface elevation and top of casing elevation within ERPIMS for monitoring well AOC9-MW05 were reversed. As this well was field confirmed as being a flush mount completion, the ground surface and top of casing elevations presented in **Table 1** are the opposite of what is contained in ERPIMS (i.e., the top of well casing could not be above ground surface in a flush mount completion). The ground surface elevation for monitoring well AOC9MW-17 was listed in ERPIMS as 587.51 ft above mean seal level (amsl) (which would be 98.07 ft above top of casing). Following review of the *Final Additional AOC9 Predesign Investigation Data Summary Report, Former Griffiss Air Force Base* (EEEPC/Parsons, November 2007) this was confirmed as being an ERPIMS data entry error. The ground surface elevation for monitoring well AOC9MW-17 represented in **Table 1** was revised to 487.51 ft amsl to be consistent with information presented in the AOC9 Predesign Investigation Data Summary Report (EEEPC/Parsons, November 2007). ERPIMS also contained identical ground surface and top of casing elevations for two monitoring wells with stick-up surface completions (G009-MW01 [492.67 ft amsl] and G009-MW02 [494.54 ft amsl]). As alternate survey information is not readily available, these identical ground surface and top of casing elevations are presented in **Table 1**.

At some point in the past, general well nomenclature appears to have changed, which resulted in the same wells appearing more than once in the well inventory (e.g., WSA-MW17 and WSAVMW-17). Based on northing and easting coordinates, the physical location of WSA-MW17/WSAVMW-17 also coincides with a temporary 1-inch monitoring well that was not located during this effort (AOC9TW-17).

Monitoring well 782MW-1, which was listed as previously decommissioned in the *Well Decommissioning Report NYSDEC Spill Number 9413416 SD041/Nosedocks 1 and 2, Former*

Griffiss Air Force Base, Rome, New York (AECOM/Cape, May 2016), was located and identified as an existing well.

Monitoring wells AP2MW-B1S and AP2MW-B3N, which were documented as decommissioned in the *Final Well Decommissioning Report NYSDEC Spill Number 9713631 SS064/Apron 2* (AECOM/Cape, December 2015), were located and identified as existing monitoring wells. The presence of these wells will be reconfirmed during the 2017 field season once snow and ice in this area of Apron 2 has sufficiently cleared. The integrity of these two monitoring wells will also be assessed during the 2017 field season.

WELL INSTALLATIONS

There were no new monitoring wells installed by Bhate at the Former Griffiss AFB in 2016. However, several new wells were installed in late 2016 by another contractor (i.e.., AMEC/Foster Wheeler) in association with the investigation of potential perflourinated compound (PFC) release areas. Information for these wells will be added to the 2017 well inventory.

WELL DECOMMISSIONINGS

Five wells were decommissioned at the Former Griffiss AFB in 2016 (782MW-4R [monitoring well], AP1HW-1 [biosparge well], AP1VMP-1, AP1VMP-2, and AP1VMP-3 [vapor monitoring points]). The decommissioning of these wells was documented in the *Well Decommissioning Report NYSDEC Spill Number 9413416 SD041/Nosedocks 1 and 2* (AECOM/Cape, May 2016). Because the decommissioning of these five wells was performed and documented prior to field activities associated with this well inventory, they have not been presented in **Table 1**.

RECOMMENDATIONS

Well inventory activities for 2017 will focus on locating wells that were not found during the 2016 inventory. Repairs to wells in 2017 will include adding well identifications to the wells currently without, installing/replacing well caps for all wells in need, and ensuring that locks are present on all wells located outside of secure areas on the Former Griffiss AFB. Additionally, duplicate well listings within the current inventory due to a previous nomenclature change will be identified and consolidated. With Air Force and Regulatory approval, Bhate recommends removal of WSA-MW17 from the Former Griffiss AFB active well list as it is redundant with monitoring well WSAVMW-17, which is sampled as part of groundwater LTM at Site SD052-05. Also, with Air Force and Regulatory approval, Bhate recommends that two monitoring wells identified as abandoned with grout, 782VMW-77 and 782VMW-91, be removed from the Former Griffiss AFB active well list.

Following next year's well inventory, Bhate will compile a list of wells located throughout the Former Griffiss AFB to be proposed as candidates for decommissioning in the future.

REFERENCES

AECOM/Cape. September 2015. *Final Well Decommissioning Report NYSDEC Spill Number 9707954 SS063/Apron 1, Former Griffiss Air Force Base Rome, New York*.

AECOM Cape. September 2015. *Final Well Decommissioning Report NYSDEC Spill Number 8910168 SS066/Building 786, Former Griffiss Air Force Base Rome, New York*.

AECOM/Cape. September 2015. *Final Well Decommissioning Report NYSDEC Spill Number 9706957 SS068-Building 7001 Former Griffiss Air Force Base Rome, New York*.

AECOM/Cape. December 2015. *Final Well Decommissioning Report NYSDEC Spill Number 9713631 SS064/Apron 2 Former Griffiss Air Force Base Rome, New York*.

AECOM/Cape. May 2016. *Well Decommissioning Report NYSDEC Spill Number 9413416 SD041/Nosedocks 1 and 2, Former Griffiss Air Force Base Rome, New York.*

EEEPC/Parsons. November 2007. *Final Additional AOC9 Predesign Investigation Data Summary Report, Former Griffiss Air Force Base*. (Administrative Record [AR] 1900)

EEEPC/Parsons. August 2011. *Final Interim Remedial Action Completion Report for Remedy-in-Place and Construction Complete for the On-Base Groundwater Area of Concern (SD-52) at the Former Griffiss Air Force Base*. (AR 2334.1)

FPM. January 2004, Revision 1.0. *Draft Well Decommissioning Report, Former Griffiss Air Force Base, Long-Term Monitoring Program*. (AR 1819)

FPM. January 2010, Revision 1.0. *Well Decommissioning Report Round 4 and Round 5 Long Term Monitoring Program Former Griffiss Air Force Base Rome, New York*. (AR 2091)

Law Environmental. May 1991. *Baseline On-Base Monitoring Well Inspection Report (Preliminary Assessment of Wells) at Griffiss Air Force Base New York*. (AR 077)

Parsons. May 2007. *Technical Memorandum for Predesign Investigation 2 (Additional Investigations at Landfill 6 and AOC9) Former Griffiss Air Force Base Rome, New York*. (AR 2175)

TABLE

Table 1
Former Griffiss AFB
2016 Well Inventory

Count	Well ID	Sampled Nov. 2016	IRP Site	Northing	Easting	Well Located (Yes/No)	Well Abandoned (Yes/No)	Stick-up or Flush Mount Completion	Well Plate/ Well Identification	Concrete Pad Condition	Lock Present	Well Cap Present	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth (ft btoc)	Measured Depth (ft bgs)	Screened Interval (ft bgs)	Screen Silted	Needs Redevelopment?	Repair Remarks	Future Action/Repairs Needed	Justifiction for Not Identifying Well	Comments
1	ANGMW-1		FT030	1182056.00	1130500.00	No							18.0					8.0 - 18.0					Time Constraint	
2	LF1P-2		LF001	1183682.00	1132543.00	Yes	No	Stick-up	Yes	Good	No	Yes	13.0					8.0 - 13.0		Unknown		Add Well Lock.		
3	LF1P-3		LF001	1183270.00	1132922.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	17.0					12.0 - 17.0		Unknown				
4	LF1P-5		LF001	1183482.00	1132160.00	No							20.0					15.0 - 20.0					Access	
5	LF1MW-1R		LF001	1184714.37	1133779.68	No							12.0					2.0 - 12.0					Access	
6	LF1MW-5		LF001	1183506.00	1132374.00	No							20.0					10.0 - 20.0					Access	
7	LF1MW-6		LF001	1183754.00	1132441.00	No							15.0					5.0 - 15.0					Access	
8	LF1MW-10		LF001	1183544.31	1132764.36	Yes	No	Stick-up	Yes	Good	No	Yes	30.0					20.0 - 30.0		Unknown		Add Well Lock.		
9	LF1MW-11		LF001	1184166.39	1132207.50	Yes	No	Stick-up	Yes	Good	Yes	Yes	12.5					2.5 - 12.5		Unknown				
10	LF1MW-12		LF001	1184381.05	1132127.83	Yes	No	Stick-up	Yes	Good	Yes	Yes	13.0					3.0 - 13.0		Unknown				
11	LF1MW-13		LF001	1183192.36	1132127.04	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.0					10.0 - 20.0		Unknown				
12	LF1MW-14		LF001	1184033.70	1131755.80	Yes	No	Stick-up	Yes	Good	Yes	Yes	12.5					2.5 - 12.5		Unknown				
13	LF1MW-103		LF001	1183707.24	1132550.91	Yes	No	Stick-up	Yes	Good	No	Yes	32.8					22.8 - 32.8		Unknown		Add Well Lock.		
14	MWSAR03		LF001	1183824.00	1133585.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	22.0					12.0 - 22.0		Unknown				
15	LF2MW-4		LF002	1177293.00	1139871.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	38.8					28.9 - 38.8		Unknown				
16	LF2MW-12		LF002	1176923.27	1139287.75	Yes	No	Stick-up	Yes	Good	Yes	Yes	18.0					8.0 - 18.0		Unknown				
17	LF2MW-13		LF002	1177362.29	1139036.66	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.5					4.5 - 14.5		Unknown				
18	LF2MW-14		LF002	1177793.86	1140216.73	Yes	No	Stick-up	Yes	Good	Yes	Yes	15.5					5.5 - 15.5		Unknown				
19	LF2MW2-1		LF002	1177656.00	1139216.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	32.0					22.0 - 32.0		Unknown				
20	LF2MW-100		LF002	1176912.42	1139303.67	Yes	No	Stick-up	Yes	Good	Yes	Yes	64.0					54.0 - 64.0		Unknown				
21	LF7MW-22		LF003	1178159.21	1136704.00	Yes	No	Flushmount	Yes	Good	No	Yes	10.9					6.0 - 10.9		Unknown	No lock necessary at this time as well is inside locked/fenced area.			
22	LF7MW-23		LF003	1177765.45	1137119.19	Yes	No	Flushmount	Yes	Acceptable	No	Yes	14.0					4.0 - 14.0		Unknown	No lock necessary at this time as well is inside locked/fenced area.			
23	LF7MW-26		LF003	1178060.22	1137047.43	Yes	No	Stick-up	Yes	Good	Yes	Yes	16.5					6.5 - 16.5		Unknown				
24	LF7MW-27		LF003	1178508.12	1136579.73	Yes	No	Stick-up	Yes	Good	Yes	Yes	12.5					2.5 - 12.5		Unknown				
25	LF7MW-28		LF003	1177972.90	1136790.61	No							11.5					1.5 - 11.5					Unable to Locate	
26	LF7MW-29		LF003	1178541.35	1137510.34	Yes	No	Stick-up	Yes	Good	Yes	Yes	21.0					11.0 - 21.0		Unknown				
27	LF7MW-30		LF003	1177806.46	1137473.59	Yes	No	Stick-up	Yes	Good	Yes	Yes	11.5					1.5 - 11.5		Unknown				
28	LF7MW-100		LF003	1178139.99	1136973.28	Yes	No	Stick-up	Yes	Good	No	Yes	43.0					33.0 - 43.0		Unknown	No lock necessary at this time as well is inside locked/fenced area.			
29	LF5MW-1A		LF007	1173976.70	1133819.84	Yes	No	Stick-up	Yes	Good	Yes	Yes	22.9					12.9 - 22.9		Unknown				
30	LF5MW-3		LF007	1173953.00	1133260.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	13.2					3.2 - 13.2		Unknown				
31	LF5MW-5		LF007	1173619.07	1133630.64	Yes	No	Stick-up	Yes	Good	No	Yes	12.0					2.0 - 12.0		Unknown		Add Well Lock.		
32	MW49D07		LF007	1173539.00	1133247.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.0					4.0 - 14.0		Unknown				
33	LF5MW-100R		LF007	1173686.99	1133338.49	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
34	LF6IW-01		LF009	1172402.36	1134947.75	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
35	LF6IW-02		LF009	1172401.39	1134941.80	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
36	LF6IW-03		LF009	1172396.27	1134953.35	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
37	LF6IW-04		LF009	1172401.15	1134956.96	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
38	LF6IW-05		LF009	1172400.69	1134930.30	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
39	LF6IW-06		LF009	1172396.53	1134935.76	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
40	LF6MW-1		LF009	1172661.00	1135717.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	67.3					57.3 - 67.3		Unknown				
41	LF6MW-12		LF009	1172397.87	1134944.13	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
42	LF6MW-13RD	X	LF009	1172084.49	1134909.71	Yes	No	Stick-up	Yes	N/A	Yes	Yes	40.0	451.51	453.41	40.85	38.95	20.0 - 40.0	5.25%	No				
43	LF6MW-14BR		LF009	1172017.01	1135059.12	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
44	LF6MW-16	X	LF009	1172393.53	1134940.32	Yes	No	Stick-up	Yes	Good	Yes	Yes	47.0	455.41	457.39	48.90	46.92	37.0 - 47.0	0.80%	No				
45	LF6MW-17	X	LF009	1172392.96	1134947.91	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	456.04	457.96	55.65	53.73	45.0 - 55.0	12.70%	No				
46	LF6MW-18		LF009	1172377.76	1134946.07	Yes	No	Stick-up	Yes	Good	Yes	Yes	47.0					37.0 - 47.0		Unknown				
47	LF6MW-19		LF009	1172384.58	1134953.47	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0					45.0 - 55.0		Unknown				
48	LF6MW-20	X	LF009	1172390.70	1134934.67	Yes	No	Stick-up	Yes	Good	Yes	Yes	51.0	455.35	457.31	52.65	50.69	41.0 - 51.0	3.10%	No				
49	LF6MW-27		LF009	1172473.54	1134837.28	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
50	LF6MW-28		LF009	1172500.73	1134993.37	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
51	LF6MW-29		LF009	1172485.75	1135172.31	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
52	LF6MW-30		LF009	1172383.69	1135083.41	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
53	LF6MW-31	X	LF009	1172368.48	1134875.43	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0	453.20	455.17	57.12	55.15	35.0 - 55.0	-0.75%	No				
54	LF6MW-32		LF009	1172224.69	1135166.03	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
55	LF6MW-39	X	LF009	1172082.35	1135006.96	Yes	No	Stick-up	Yes	Good	Yes	Yes	32.0	456.70	458.50	31.70	29.90	22.0 - 32.0	21.00%	No				
56	LF6TW-33	X	LF009	1172409.41	1134923.99	Yes	No	Stick-up	Yes	N/A	Yes	Yes	39.0	456.17	459.74	42.00	38.43	19.0 - 39.0	2.85%	No				Incorrect total depth and screened interval entered into ERPIMS (total depth 25'/screen 15'-25'). Values presented in this table are from AR 2175 (Parsons, May 2007).
57	LF6TW-34	X	LF009	1172448.34	1134987.84	Yes	No	Stick-up	Yes	N/A	Yes	Yes	55.0	457.60	460.00	55.30	52.90	35.0 - 55.0	10.50%	No				Incorrect total depth and screened interval entered into ERPIMS (total depth 25'/screen 15'-25'). Values presented in this table are from AR 2175 (Parsons, May 2007).
58	LF6TW-35	X	LF009	1172393.30	1135014.77	Yes	No	Stick-up	Yes	N/A	Yes	Yes	55.0	457.39	459.27	56.17	54.29	35.0 - 55.0	3.55%	No				Incorrect total depth and screened interval entered into ERPIMS (total depth 25'/screen 15'-25'). Values presented in this table are from AR 2175 (Parsons, May 2007).
59	LF6TW-36	X	LF009	1172338.33	1134950.04	Yes	No	Stick-up	Yes	N/A	Yes	Yes	55.0	455.08	459.08	57.48	53.48	35.0 - 55.0	7.60%	No				Incorrect total depth and screened interval entered into ERPIMS (total depth 25'/screen 15'-25'). Values presented in this table are from AR 2175 (Parsons, May 2007).
60	LF6TW-37		LF009	1172337.31	1135007.88	Yes	No	Stick-up	No	N/A	Yes	Yes	55.0					35.0 - 55.0		Unknown		Add Well ID.		Incorrect total depth and screened interval entered into ERPIMS (total depth 25'/screen 15'-25'). Values presented in this table are from AR 2175 (Parsons, May 2007).
61	LF6TW-38	X	LF009	1172288.45	1134986.99	Yes	No	Stick-up	Yes	N/A	Yes	Yes	55.0	457.35	460.53	57.00	53.82	35.0 - 55.0	5.90%	No				Incorrect total depth and screened interval entered into ERPIMS (total depth 25'/screen 15'-25'). Values presented in this table are from AR 2175 (Parsons, May 2007).

Table 1
Former Griffiss AFB
2016 Well Inventory

Count	Well ID	Sampled Nov. 2016	IRP Site	Northing	Easting	Well Located (Yes/No)	Well Abandoned (Yes/No)	Stick-up or Flush Mount Completion	Well Plate/ Well Identification	Concrete Pad Condition	Lock Present	Well Cap Present	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth (ft btoc)	Measured Depth (ft bgs)	Screened Interval (ft bgs)	Screen Silted	Needs Redevelopment?	Repair Remarks	Future Action/Repairs Needed	Justifiction for Not Identifying Well	Comments
62	LF6VMW-10R2		LF009	1172210.55	1135288.97	Yes	No	Stick-up	Yes	Good	Yes	Yes	35.0					25.0 - 35.0		Unknown				
63	LF6VMW-13R	X	LF009	1172095.12	1134923.10	Yes	No	Stick-up	Yes	N/A	Yes	Yes	37.0	453.12	454.66	37.50	35.96	17.0 - 37.0	5.20%	No				
64	LF6VMW-14		LF009	1172000.51	1135036.68	Yes	No	Stick-up	Yes	Good	Yes	Yes	42.0					22.0 - 42.0		Unknown				
65	LF6VMW-15R		LF009	1171960.35	1135290.01	Yes	No	Stick-up	Yes	Good	Yes	Yes	40.0					30.0 - 40.0		Unknown				
66	LF6VMW-17D		LF009	1172076.60	1135535.30	Yes	No	Stick-up	Yes	Good	Yes	Yes	50.0					40.0 - 50.0		Unknown				
67	LF6VMW-17S		LF009	1172097.90	1135538.30	Yes	No	Stick-up	Yes	Good	Yes	Yes	16.0					6.0 - 16.0		Unknown				
68	LF6VMW-18		LF009	1171848.40	1135825.10	Yes	No	Stick-up	Yes	Good	Yes	Yes	55.0					45.0 - 55.0		Unknown				
69	LF6VMW-19		LF009	1171788.90	1136060.80	Yes	No	Stick-up	Yes	Good	Yes	Yes	30.0					20.0 - 30.0		Unknown				
70	LF6VMW-20		LF009	1171846.50	1136385.50	Yes	No	Stick-up	Yes	Good	Yes	Yes	70.5					60.5 - 70.5		Unknown				
71	LF6VMW-21		LF009	1172188.00	1136190.50	Yes	No	Stick-up	Yes	Good	Yes	Yes	70.5					60.5 - 70.5		Unknown				
72	LF6VMW-22		LF009	1172260.50	1135381.60	Yes	No	Stick-up	Yes	Good	No	Yes	40.0					30.0 - 40.0		Unknown		Add Well Lock.		
73	LF6VMW-23		LF009	1172406.00	1135269.20	Yes	No	Stick-up	Yes	Good	Yes	Yes	50.3					40.3 - 50.3		Unknown				
74	LF6VMW-24		LF009	1172533.20	1135097.50	Yes	No	Stick-up	Yes	Good	Yes	Yes	51.0					41.0 - 51.0		Unknown				
75	LF6VMW-25		LF009	1172589.50	1134850.20	Yes	No	Stick-up	Yes	Good	Yes	Yes	49.0					39.0 - 49.0		Unknown				
76	LF6VMW-26	X	LF009	1172226.72	1134927.56	Yes	No	Stick-up	Yes	Good	Yes	No	55.0	455.08	457.90	54.60	51.78	45.0 - 55.0	32.20%	Yes		Add Well Cap. Redevelop Well.		
77	TMCMW-9		LF009	1172582.00	1134859.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	28.0					18.0 - 28.0		Unknown				
78	TMC-USGS-2		LF009	1171621.00	1135667.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	26.5					24.0 - 26.5		Unknown				
79	LAWMW-19		NA	1171023.00	1137732.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	51.8					41.8 - 51.8		Unknown				
80	TMC-USGS-1		NA	1171250.00	1135344.00	No							21.5					19.0 - 21.5					Time Constraint	
81	TMC-USGS-10		NA	1172262.00	1134234.00	No							22.5					20.0 - 22.5					Time Constraint	
82	786MW-2	X	No IRP-BLDG 785 Pipeline	1174175.08	1136632.48	Yes	No	Flushmount	No	Acceptable	No	No	22.0	477.88	477.26	21.50	20.88	7.0 - 22.0	7.47%	No		Add Well ID. Add Well Lock. Add Well Cap. Replace flush mount rubber gasket.		
83	786MW-14		No IRP-BLDG 785 Pipeline	1174174.70	1136646.98	No							23.0					13.0 - 23.0					Unable to Locate	
84	786MW-15	X	No IRP-BLDG 785 Pipeline	1174195.12	1136617.93	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.0	477.16	478.32	20.00	18.84	10.0 - 20.0	11.60%	No	Protective steel riser lid missing but compression cap at wellhead has a keyed lock and provides well security.			
85	786MW-30		No IRP-BLDG 785 Pipeline	1174153.35	1136713.92	Yes	No	Flushmount	No	Good	Yes	Yes	24.0					14.0 - 24.0		Unknown		Add Well ID.		
86	786TW-20		No IRP-BLDG 785 Pipeline	1174229.16	1136650.62	No							25.0					15.0 - 25.0					Unable to Locate	Well listed as "not located; not decommissioned" in historical document (AECOM/Cape NYSDEC Spill Number 8910168, September 2015).
87	782MW-1		SD052-01	1175125.90	1137634.60	Yes	No	Flushmount	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown	Currently labeled by a wooden stake.	Add Well ID.		Well listed in historical report as being "previously decomissioned" (AECOM/Cape, May 2016) but well was identified during 2016 field inspection.
88	782MW-1R		SD052-01	1175131.00	1137630.00	Yes	No	Flushmount	No	Good	No	Yes	28.3					18.3 - 28.3		Unknown	No lock necessary at this time as well is inside locked/fenced area.	Add Well ID.		
89	782MW-2		SD052-01	1174856.00	1136942.00	No							20.0					10.0 - 20.0					Unable to Locate	
90	782MW-3R		SD052-01	1175294.00	1137315.00	No							31.6					16.6 - 31.6					Unable to Locate	Well listed in historical report as being "retained for PFC Release Determination Investigation" (AECOM/Cape, May 2016) but well was not identified during 2016 field inspection.
91	782MW-5		SD052-01	1174918.00	1136711.00	No							25.0					15.0 - 25.0					Unable to Locate	
92	782MW-6D		SD052-01	1174869.57	1137670.31	Yes	No	Stick-up	No	Good	Yes	Yes	48.0					38.0 - 48.0		Unknown		Add Well ID.		
93	782MW-6R2		SD052-01	1174890.35	1137643.75	Yes	No	Stick-up	No	Good	Yes	Yes	34.5					19.5 - 34.5		Unknown		Add Well ID.		
94	782MW-9		SD052-01	1175045.31	1137985.45	Yes	No	Stick-up	Yes	Good	Yes	Yes	30.0					15.0 - 30.0		Unknown				
95	782MW-10	X	SD052-01	1174739.67	1137498.35	Yes	No	Flushmount	No	Good	No	Yes	34.0	477.79	477.50	33.66	33.37	19.0 - 34.0	4.20%	No	No lock necessary at this time as well is inside locked/fenced area.	Add Well ID.		
96	782MW-11		SD052-01/SS063	1175150.04	1137909.34	Yes	No	Stick-up	No	Good	Yes	Yes	32.7					22.7 - 32.7		Unknown		Add Well ID.		
97	782MW-12		SD052-01/SS063	1175304.35	1137741.62	Yes	No	Stick-up	No	Good	Yes	Yes	33.0					23.0 - 33.0		Unknown		Add Well ID.		
98	782-MW184	X	SD052-01	1174819.11	1138003.00	Yes	No	Flushmount	No	Good	Yes	Yes	74.5	476.20	475.86	74.50	74.16	64.5 - 74.5	3.40%	No		Add Well ID.		Well inadvertently sampled during Fall 2016 LTM rather than 782VMW-84D.
99	782VMW-76	X	SD052-01	1174418.22	1137171.89	Yes	No	Flushmount	Yes	Good	No	Yes	43.0	477.86	477.59	41.60	41.33	33.0 - 43.0	16.70%	No	No lock necessary at this time as well is inside locked/fenced area.			
100	782VMW-77		SD052-01	1174288.65	1137316.69	Yes - Grouted	Yes	N/A					40.0					20.0 - 40.0		N/A				Well recommended for removal from the Former Griffiss AFB active well list.
101	782VMW-78	X	SD052-01	1174578.68	1137025.78	Yes	No	Stick-up	Yes	Good	Yes	Yes	42.0	478.26	481.22	45.51	42.55	32.0 - 42.0	-5.50%	No	2 damaged bollards.			
102	782VMW-80		SD052-01	1174200.51	1136961.98	Yes	No	Flushmount	No	Poor	No	No	38.0					28.0 - 38.0		Unknown	No lock necessary at this time as well is inside locked/fenced area.	Add Well ID. Add Well Cap.		
103	782VMW-81	X	SD052-01	1174369.98	1136784.76	Yes	No	Stick-up	Yes	Good	Yes	Yes	50.0	477.71	479.57	49.90	48.04	40.0 - 50.0	19.60%	No				
104	782VMW-82		SD052-01	1174499.71	1136644.46	Yes	No	Stick-up	No	Good	Yes	Yes	48.0					38.0 - 48.0		Unknown		Add Well ID.		
105	782VMW-83		SD052-01	1174121.75	1136506.61	Yes	No	Stick-up	No	Good	Yes	Yes	35.0					25.0 - 35.0		Unknown		Add Well ID.		
106	782VMW-84	X	SD052-01	1174821.59	1137992.22	Yes	No	Flushmount	Yes	Acceptable	No	Yes	44.5	476.40	476.08	45.50	45.18	34.5 - 44.5	-6.80%	No	No lock necessary at this time as well is inside locked/fenced area.			
107	782VMW-84D	X	SD052-01	1174796.74	1138001.78	Yes	No	Flushmount	No	Unsure	No	Yes	56.5	475.57	475.18	47.50	47.11	41.5 - 56.5	62.60%	Yes	No lock necessary at this time as well is inside locked/fenced area.	Add Well ID. Redevelop Well.		Total depth and screened interval details not available in ERPIMS. Values presented in this table are from field logbook contained in AR2334.1 (EEEPC/Parsons, August 2011). Condition/presence of concrete pad unknown due to snow cover.
108	782VMW-85		SD052-01	1175001.90	1137788.48	Yes	No	Stick-up	No	Good	Yes	Yes	39.0					29.0 - 39.0		Unknown		Add Well ID.		
109	782VMW-86		SD052-01	1175194.30	1137587.73	Yes	No	Stick-up	No	Good	Yes	Yes	37.0					27.0 - 37.0		Unknown		Add Well ID.		
110	782VMW-87		SD052-01	1174719.49	1138182.13	Yes	No	Flushmount	No	Good	Yes	Yes	40.0					30.0 - 40.0		Unknown		Add Well ID.		
111	782VMW-88		SD052-01	1174912.33	1138272.99	No							40.0					30.0 - 40.0					Unable to Locate	
112	782VMW-89		SD052-01	1175100.54	1137690.09	Yes	No	Stick-up	No	Good	Yes	Yes	40.0					25.0 - 40.0		Unknown		Add Well ID.		
113	782VMW-90		SD052-01	1175018.57	1137506.82	Yes	No	Stick-up	Yes	Good	Yes	Yes	30.0					20.0 - 30.0		Unknown	Currently labeled by a wooden stake.	Add Well ID.		
114	782VMW-91		SD052-01	1174339.90	1137823.53	Yes - Grouted	Yes	N/A					30.0					20.0 - 30.0		N/A				Well recommended for removal from the Former Griffiss AFB active well list.
115	782VMW-92		SD052-01	1174479.88	1137671.17	Yes	No	Flushmount	No	Good	Yes	Yes	40.0					30.0 - 40.0		Unknown		Add Well ID.		
116	782VMW-93		SD052-01	1174569.71	1137325.35	Yes	No	Flushmount	No	Good	Yes	Yes	40.0					30.0 - 40.0		Unknown		Add Well ID.		

Table 1
Former Griffiss AFB
2016 Well Inventory

Count	Well ID	Sampled Nov. 2016	IRP Site	Northing	Easting	Well Located (Yes/No)	Well Abandoned (Yes/No)	Stick-up or Flush Mount Completion	Well Plate/ Well Identification	Concrete Pad Condition	Lock Present	Well Cap Present	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth (ft btoc)	Measured Depth (ft bgs)	Screened Interval (ft bgs)	Screen Silted	Needs Redevelopment?	Repair Remarks	Future Action/Repairs Needed	Justifiction for Not Identifying Well	Comments
117	782VMW-94		SD052-01	1174743.61	1137348.67	Yes	No	Flushmount	No	Good	Yes	Yes	44.5					34.5 - 44.5		Unknown		Add Well ID.		
118	782VMW-95		SD052-01	1174876.73	1137231.06	Yes	No	Stick-up	No	Good	Yes	Yes	35.0					20.0 - 35.0		Unknown		Add Well ID.		
119	782VMW-96	X	SD052-01	1174603.52	1137545.52	Yes	No	Flushmount	Yes	Acceptable	No	Yes	43.0	477.13	476.73	43.70	43.30	33.0 - 43.0	-3.00%	No	No lock necessary at this time as well is inside locked/fenced area.			
120	782VMW-97		SD052-01	1174073.12	1136622.81	Yes	No	Stick-up	No	Poor	Yes	Yes	35.0					25.0 - 35.0		Unknown		Add Well ID.		
121	782VMW-98		SD052-01	1173953.03	1136359.76	Yes	No	Stick-up	Yes	Good	Yes	Yes	35.0					25.0 - 35.0		Unknown				
122	782VMW-99		SD052-01	1173703.09	1136597.73	Yes	No	Stick-up	No	Good	Yes	Yes	35.0					20.0 - 35.0		Unknown		Add Well ID.		
123	782VMW-100	X	SD052-01	1174894.76	1138716.31	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	457.10	459.94	27.70	24.86	10.0 - 25.0	0.93%	No				
124	782VMW-101	X	SD052-01	1174658.16	1138910.74	Yes	No	Stick-up	Yes	Good	Yes	Yes	22.0	451.11	453.95	25.02	22.18	7.0 - 22.0	-1.20%	No				
125	782VMW-102		SD052-01	1174386.72	1139063.60	Yes	No	Stick-up	No	Good	Yes	Yes	23.0					8.0 - 23.0		Unknown		Add Well ID.		
126	782VMW-104		SD052-01	1174163.56	1136567.00	Yes	No	Stick-up	No	Good	Yes	Yes	33.0					18.0 - 33.0		Unknown		Add Well ID.		
127	782VMW-105B	X	SD052-01	1174207.49	1136605.09	Yes	No	Stick-up	Yes	Good	Yes	Yes	42.0	477.37	480.25	41.40	38.52	27.0 - 42.0	23.20%	No	1 missing bollard. Dedicated bladder pump catches on inside of well casing at approximately 6-ft. below top of casing. Obstruction does not prevent pump from being deployed into well.			
128	782VMW-121	X	SD052-01	1174778.29	1138757.34	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	458.06	459.87	28.10	26.29	10.0 - 25.0	-8.60%	No				Total depth and screened interval details not available in ERPIMS. Values presented in this table are from field logbook contained in AR2334.1 (EEEPC/Parsons, August 2011).
129	782VMW-121D	X	SD052-01	1174761.65	1138752.45	Yes	No	Stick-up	Yes	Good	Yes	Yes	31.0	458.81	460.71	33.10	31.20	21.0 - 31.0	-2.00%	No				Total depth and screened interval details not available in ERPIMS. Values presented in this table are from field logbook contained in AR2334.1 (EEEPC/Parsons, August 2011).
130	AP2MW-3	X	SD052-01	1174551.00	1138744.00	Yes	No	Flushmount	No	Good	No	Yes	33.6	465.97	465.63	33.65	33.31	19.0 - 33.6	1.72%	No	No lock necessary at this time as well is inside locked/fenced area.	Add Well ID.		
131	AP2MW-B1S		SD052-01	1174446.03	1137800.77	Yes	No	Flushmount	No	Good	Yes	Yes	25.6					10.6 - 25.6		Unknown		Add Well ID.		Well listed in historical report as being decomissioned (AECOM/Cape, December 2015) but well was identified during 2016 field inspection.
132	AP2MW-B3N		SD052-01	1174179.15	1137662.13	Yes	No	Flushmount	No	Good	Yes	Yes	25.5					15.5 - 25.5		Unknown		Add Well ID.		Well listed in historical report as being decomissioned (AECOM/Cape, December 2015) but well was identified during 2016 field inspection.
133	AP2MW-B7S		SD052-01	1174944.08	1136972.39	No							24.0					14.0 - 24.0					Unable to Locate	
134	AP2MW-LD1SW		SD052-01	1173083.54	1137089.58	No							24.0					14.0 - 24.0					Unable to Locate	
135	AP2PIW-7		SD052-01	1173154.29	1137180.90	No							0.0					0.0 - 0.0					Unable to Locate	
136	AP2PIW-11		SD052-01	1174128.40	1136673.73	No							0.0					0.0 - 0.0					Unable to Locate	
137	AP2TW-90		SD052-01	1174579.88	1138517.15	No							0.0					0.0 - 0.0					Unable to Locate	
138	775EW-1	X	SD052-02	1173032.34	1135795.01	Yes	No	Flushmount	No	N/A	No	Yes	76.0	516.72	516.56	NM	NM	56.0 - 76.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		Total depth measurement not obtained due to presence of dedicated groundwater extraction pump within well.
139	775EW-1R		SD052-02	1172983.69	1135816.60	Yes	No	Flushmount	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
140	775EW-3		SD052-02	1172996.82	1135753.37	Yes	No	Flushmount	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
141	775MW-1		SD052-02	1173422.00	1135927.00	No							64.5					49.5 - 64.5					Unable to Locate	
142	775MW-2		SD052-02	1173493.00	1135938.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	65.0					50.0 - 65.0		Unknown				
143	775MW-6	X	SD052-02	1173123.00	1135631.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	78.0	517.18	518.02	78.60	77.76	68.0 - 78.0	2.40%	No				
144	775-MW20	X	SD052-02	1172598.94	1135787.11	Yes	No	Stick-up	Yes	N/A	Yes	Yes	120.2	518.14	520.35	125.20	122.99	110.2 - 120.2	-27.90%	No				
145	775-MW20R		SD052-02	1172590.24	1135795.13	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
146	775-MW20RBR		SD052-02	1172492.89	1135900.74	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
147	775MW-27	X	SD052-02	1173004.19	1135837.05	Yes	No	Flushmount	No	Good	Yes	Yes	80.8	516.59	515.99	81.00	80.40	60.8 - 80.8	2.00%	No		Add Well ID.		
148	775MW-28	X	SD052-02	1172787.53	1135778.13	Yes	No	Stick-up	Yes	Good	Yes	Yes	91.0	515.72	517.68	91.55	89.59	71.0 - 91.0	7.05%	No				
149	775VMW-4	X	SD052-02	1173227.00	1135813.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	70.0	517.64	518.51	70.15	69.28	60.0 - 70.0	7.20%	No				
150	775VMW-5	X	SD052-02	1173147.00	1135890.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	75.0	517.94	518.64	75.50	74.80	65.0 - 75.0	2.00%	No	Inner ring on steel riser lid needs repair.	Repair/replace inner ring on steel riser lid.		
151	775VMW-8	X	SD052-02	1172910.00	1135803.00	Yes	No	Stick-up	Yes	Unsure	Yes	Yes	78.0	517.79	518.22	78.00	77.57	68.0 - 78.0	4.30%	No				Condition/presence of concrete pad unknown due to snow cover.
152	775VMW-9	X	SD052-02	1172920.34	1135482.28	Yes	No	Stick-up	Yes	Good	Yes	Yes	99.0	511.92	513.63	98.77	97.06	84.0 - 99.0	12.93%	No				
153	775VMW-10	X	SD052-02	1172769.09	1135613.75	Yes	No	Stick-up	Yes	N/A	Yes	Yes	103.0	515.14	517.22	102.25	100.17	88.0 - 103.0	18.87%	No				
154	775VMW-11		SD052-02	1173630.84	1136124.93	Yes	No	Stick-up	No	Good	Yes	Yes	57.0					47.0 - 57.0		Unknown		Add Well ID.		
155	775VMW-14		SD052-02	1173337.31	1136103.63	Yes	No	Stick-up	Yes	Good	Yes	Yes	70.0					60.0 - 70.0		Unknown				
156	775VMW-15R1		SD052-02	1173477.86	1135425.48	Yes	No	Stick-up	No	Good	Yes	Yes	104.0					94.0 - 104.0		Unknown		Add Well ID.		
157	775VMW-16		SD052-02	1172880.00	1136036.31	Yes	No	Stick-up	No	Acceptable	Yes	Yes	87.0					77.0 - 87.0		Unknown		Add Well ID.		
158	775VMW-18R		SD052-02/LF009	1173166.52	1135300.79	Yes	No	Stick-up	Yes	Good	Yes	Yes	95.0					85.0 - 95.0		Unknown				
159	775VMW-19R	X	SD052-02	1172790.97	1135700.29	Yes	No	Stick-up	Yes	Good	Yes	Yes	75.0	515.58	517.46	77.30	75.42	55.0 - 75.0	-2.10%	No				Total depth and screened interval details not available in ERPIMS. Values presented in this table are from field logbook contained in AR2334.1 (EEEPC/Parsons, August 2011).
160	775VMW-20R	X	SD052-02/LF009	1172499.98	1135888.24	Yes	No	Stick-up	Yes	N/A	Yes	Yes	115.0	518.85	521.11	116.15	113.89	105.0 - 115.0	11.10%	No				
161	775VMW-23		SD052-02	1173770.00	1135979.80	Yes	No	Stick-up	No	Good	Yes	Yes	35.0					25.0 - 35.0		Unknown		Add Well ID.		
162	775VMW-24		SD052-02	1173495.87	1136265.91	Yes	No	Stick-up	No	Good	Yes	Yes	67.0					57.0 - 67.0		Unknown		Add Well ID.		
163	775VMW-25		SD052-02	1173593.32	1135621.88	Yes	No	Stick-up	No	Good	Yes	Yes	75.0					65.0 - 75.0		Unknown		Add Well ID.		
164	817IW-1		SD052-05	1180082.76	1135879.96	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Found 6 of the 8 wells. Unsure which is which (NO MAP).	Add Well ID. Add Well Lock.		
165	817IW-2		SD052-05	1180076.77	1135885.76	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Found 6 of the 8 wells. Unsure which is which (NO MAP).	Add Well ID. Add Well Lock.		
166	817IW-3		SD052-05	1180069.76	1135891.10	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Found 6 of the 8 wells. Unsure which is which (NO MAP).	Add Well ID. Add Well Lock.		
167	817IW-4		SD052-05	1180064.86	1135898.52	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Found 6 of the 8 wells. Unsure which is which (NO MAP).	Add Well ID. Add Well Lock.		

Table 1
Former Griffiss AFB
2016 Well Inventory

Count	Well ID	Sampled Nov. 2016	IRP Site	Northing	Easting	Well Located (Yes/No)	Well Abandoned (Yes/No)	Stick-up or Flush Mount Completion	Well Plate/ Well Identification	Concrete Pad Condition	Lock Present	Well Cap Present	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth (ft btoc)	Measured Depth (ft bgs)	Screened Interval (ft bgs)	Screen Silted	Needs Redevelopment?	Repair Remarks	Future Action/Repairs Needed	Justifiction for Not Identifying Well	Comments
168	817IW-5		SD052-05	1180059.69	1135903.22	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Found 6 of the 8 wells. Unsure which is which (NO MAP).	Add Well ID. Add Well Lock.		
169	817IW-6		SD052-05	1180054.25	1135908.66	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Found 6 of the 8 wells. Unsure which is which (NO MAP).	Add Well ID. Add Well Lock.		
170	817IW-7		SD052-05	1180049.52	1135913.91	No							0.0					0.0 - 0.0			Found 6 of the 8 wells. Unsure which is which (NO MAP).		Unable to Locate	
171	817IW-8		SD052-05	1180043.77	1135917.10	No							0.0					0.0 - 0.0			Found 6 of the 8 wells. Unsure which is which (NO MAP).		Unable to Locate	
172	817MW-1	X	SD052-05	1180068.47	1135910.04	Yes	No	Stick-up	Yes	N/A	Yes	Yes	20.0	519.93	522.10	20.10	17.93	10.0 - 20.0	20.70%	No				
173	817MW-2	X	SD052-05	1180055.06	1135894.73	Yes	No	Stick-up	Yes	N/A	Yes	Yes	20.0	518.89	521.06	18.06	15.89	10.0 - 20.0	41.10%	Yes		Redevelop Well.		
174	817MW-3	X	SD052-05	1180034.09	1135874.52	Yes	No	Stick-up	Yes	N/A	Yes	Yes	20.0	517.72	519.80	20.62	18.54	10.0 - 20.0	14.60%	No				
175	LAWMW-9	X	SD052-05	1179884.00	1135570.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	17.0	505.83	507.84	18.70	16.69	7.0 - 17.0	3.50%	No				
176	WSAMW-1		SD052-05	1181750.00	1136181.00	No							30.0					20.0 - 30.0					Access	
177	WSAMW-2		SD052-05	1180469.00	1136049.00	Yes	No	Stick-up	Yes	Good	No	Yes	15.2					5.2 - 15.2		Unknown		Add Well Lock.		
178	WSAMW-3		SD052-05	1180971.00	1134913.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	16.3					6.3 - 16.3		Unknown				
179	WSAMW-8	X	SD052-05	1180198.23	1135971.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	14.0	520.37	521.88	15.50	13.99	4.0 - 14.0	0.10%	No				
180	WSAMW-9	X	SD052-05	1179468.66	1135387.24	Yes	No	Stick-up	Yes	Good	Yes	Yes	8.0	482.60	484.19	9.50	7.91	3.0 - 8.0	1.80%	No				
181	WSAMW-10		SD052-05	1179245.51	1135314.00	No							15.4					5.4 - 15.4					Unable to Locate	
182	WSAMW-11		SD052-05	1179950.70	1135795.44	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
183	WSAMW-11BR		SD052-05	1179950.70	1135795.44	No							0.0					0.0 - 0.0					Unable to Locate	
184	WSAMW-12BR		SD052-05	1179451.23	1135646.55	Yes	No	Stick-up	Yes	Good	No	Yes	0.0					0.0 - 0.0		Unknown	No lock necessary at this time as well is inside locked/fenced area.			
185	WSAMW-13BR		SD052-05	1179597.57	1135249.32	Yes	No	Stick-up	Yes	Good	No	Yes	0.0					0.0 - 0.0		Unknown		Add Well Lock.		
186	WSAMW-14BR		SD052-05	1180205.21	1135964.95	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
187	WSA-MW16	X	SD052-05	1179943.17	1135804.76	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.0	511.86	514.18	21.90	19.58	10.0 - 20.0	4.20%	No				
188	WSA-MW17		SD052-05	1179789.00	1135660.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0					15.0 - 25.0		Unknown				Duplicate well listing with WSAVMW-17.
189	WSAMW-18	X	SD052-05	1179990.61	1135831.91	Yes	No	Stick-up	Yes	Good	Yes	Yes	16.0	515.23	516.89	15.68	14.02	11.0 - 16.0	39.60%	Yes		Redevelop Well.		
190	WSAMW-19	X	SD052-05	1179856.58	1135748.98	Yes	No	Stick-up	Yes	Good	Yes	Yes	18.0	511.79	513.07	18.40	17.12	13.0 - 18.0	17.60%	No				
191	WSAMW-21	X	SD052-05	1179643.16	1135642.04	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	509.72	511.68	26.18	24.22	15.0 - 25.0	7.80%	No				
192	WSAMW-23	X	SD052-05	1179679.21	1135866.52	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	518.16	519.92	26.50	24.74	15.0 - 25.0	2.60%	No				
193	WSAMW-24		SD052-05	1180141.84	1135819.82	Yes	No	Flushmount	Yes	Good	Yes	Yes	16.5					6.5 - 16.5		Unknown				
194	WSAVMW-17	X	SD052-05	1179785.39	1135658.66	Yes	No	Stick-up	Yes	Good	Yes	Yes	25.0	508.83	511.39	27.70	25.14	15.0 - 25.0	-1.40%	No		Update Well ID nomenclature to WSAVMW-17.		
195	781MW-1		SS054	1172759.69	1136628.86	Yes	No	Stick-up	No	Good	Yes	Yes	64.5					49.5 - 64.5		Unknown		Add Well ID.		
196	781MW-2		SS054	1172828.68	1136642.29	Yes	No	Stick-up	Yes	Good	Yes	Yes	65.0					50.0 - 65.0		Unknown				
197	781MW-3		SS054	1172754.51	1136721.46	Yes	No	Stick-up	Yes	Good	No	Yes	69.0					54.0 - 69.0		Unknown		Add Well Lock.		
198	781MW-4		SS054	1172565.01	1136720.25	Yes	No	Stick-up	Yes	Good	No	Yes	64.0					54.0 - 64.0		Unknown		Add Well Lock.		
199	781MW-5		SS054	1172499.44	1136657.45	Yes	No	Stick-up	Yes	Good	No	Yes	65.0					55.0 - 65.0		Unknown	Wellhead completion does not allow for lock installation.			
200	781MW-6		SS054	1172461.56	1136622.83	Yes	No	Stick-up	Yes	Good	No	Yes	64.0					54.0 - 64.0		Unknown	Wellhead completion does not allow for lock installation.			
201	781MW-7		SS054	1172555.49	1136524.14	Yes	No	Stick-up	No	Good	Yes	Yes	68.0					58.0 - 68.0		Unknown		Add Well ID.		
202	781MW-8	X	SS054	1172670.37	1136612.59	Yes	No	Flushmount	No	Good	No	Yes	63.0	518.72	516.80	65.00	63.08	53.0 - 63.0	-0.80%	No		Add Well ID. Add Well Lock.		
203	781MW-9		SS054	1172729.68	1136670.72	Yes	No	Stick-up	No	Good	Yes	Yes	64.0					54.0 - 64.0		Unknown		Add Well ID.		
204	781MW-10		SS054	1172684.51	1136737.07	Yes	No	Stick-up	No	Good	No	Yes	63.0					53.0 - 63.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
205	781MW-11		SS054	1172702.30	1136562.64	Yes	No	Flushmount	No	Good	Yes	Yes	65.0					55.0 - 65.0		Unknown		Add Well ID.		
206	781MW-12		SS054	1172423.31	1136584.90	Yes	No	Stick-up	No	Good	No	Yes	68.0					58.0 - 68.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
207	781MW-13		SS054	1172356.88	1136714.54	Yes	No	Stick-up	Yes	Good	No	Yes	65.0					55.0 - 65.0		Unknown		Add Well Lock.		
208	781MW-14		SS054	1172440.17	1136799.26	Yes	No	Stick-up	No	Good	No	Yes	62.0					52.0 - 62.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
209	781MW-15		SS054	1172570.50	1136859.95	Yes	No	Stick-up	No	Good	No	Yes	64.0					54.0 - 64.0		Unknown		Add Well ID. Add Well Lock.		
210	781MW-16		SS054	1172328.65	1136850.64	Yes	No	Stick-up	No	Good	No	Yes	60.0					50.0 - 60.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
211	781MW-17		SS054	1172267.74	1136601.31	Yes	No	Stick-up	Yes	Good	No	Yes	67.0					57.0 - 67.0		Unknown		Add Well Lock.		
212	781MW-18		SS054	1172164.51	1136652.64	Yes	No	Stick-up	Yes	Good	No	Yes	58.0					48.0 - 58.0		Unknown		Add Well Lock.		
213	781MW-19		SS054	1172189.84	1136794.56	Yes	No	Stick-up	No	Good	No	No	51.0					41.0 - 51.0		Unknown		Add Well ID. Add Well Lock. Add Well Cap.		
214	781MW-20	X	SS054	1172090.64	1136463.32	Yes	No	Stick-up	Yes	Good	Yes	Yes	45.0	491.15	493.71	44.90	42.34	35.0 - 45.0	26.60%	No				
215	781MW-21		SS054	1171993.28	1136578.55	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
216	781PAIW-1		SS054	1172601.22	1136721.02	Yes	No	Stick-up	No	Good	No	Yes	63.0					48.0 - 63.0		Unknown		Add Well ID. Add Well Lock.		
217	781PAIW-2		SS054	1172741.51	1136680.88	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown		Add Well ID. Add Well Lock.		
218	781PPRW-1		SS054	1172345.47	1136716.56	Yes	No	Stick-up	Yes	Good	No	Yes	63.0					48.0 - 63.0		Unknown	Locking EnviroCap® present but needs to be replaced.	New locking EnviroCap® installed 1/06/2017.		
219	781PPRW-2		SS054	1172357.03	1136702.25	Yes	No	Stick-up	Yes	Good	No	Yes	64.0					49.0 - 64.0		Unknown	Well mis-labeled as PPRW-3. Locking EnviroCap® present.	Add Well ID.		
220	781PPRW-3		SS054	1172446.25	1136690.41	Yes	No	Stick-up	No	Good	No	Yes	64.0					49.0 - 64.0		Unknown	Locking EnviroCap® present.	Add Well ID.		
221	781PPRW-4		SS054	1172360.83	1136725.48	Yes	No	Stick-up	Yes	Good	No	Yes	63.0					48.0 - 63.0		Unknown	Locking EnviroCap® present.			
222	781PPRW-5		SS054	1172476.70	1136729.99	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
223	781PPRW-6		SS054	1172499.30	1136683.81	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
224	781PPRW-7		SS054	1172549.26	1136681.02	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown		Add Well ID. Add Well Lock.		
225	781PPRW-8		SS054	1172578.19	1136634.82	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID		
226	781VBS-1		SS054	1172404.54	1136693.69	Yes	No	Stick-up	No	Good	No	Yes	65.0					60.0 - 65.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
227	781VBS-2		SS054	1172365.64	1136696.82	Yes	No	Stick-up	Yes	Good	No	Yes	65.0					60.0 - 65.0		Unknown	Wellhead completion does not allow for lock installation.			
228	781VBS-3		SS054	1172337.59	1136724.30	Yes	No	Stick-up	Yes	Good	No	Yes	65.0					60.0 - 65.0		Unknown	Wellhead completion does not allow for lock installation.			

Table 1
Former Griffiss AFB
2016 Well Inventory

Count	Well ID	Sampled Nov. 2016	IRP Site	Northing	Easting	Well Located (Yes/No)	Well Abandoned (Yes/No)	Stick-up or Flush Mount Completion	Well Plate/ Well Identification	Concrete Pad Condition	Lock Present	Well Cap Present	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth (ft btoc)	Measured Depth (ft bgs)	Screened Interval (ft bgs)	Screen Silted	Needs Redevelopment?	Repair Remarks	Future Action/Repairs Needed	Justifiction for Not Identifying Well	Comments
229	781VBS-4		SS054	1172364.22	1136742.99	Yes	No	Stick-up	Yes	Good	No	Yes	62.0					57.0 - 62.0		Unknown	Wellhead completion does not allow for lock installation.			
230	781VBS-5		SS054	1172210.87	1136641.48	Yes	No	Stick-up	Yes	Good	No	Yes	64.0					59.0 - 64.0		Unknown	Wellhead completion does not allow for lock installation.			
231	781VBS-6		SS054	1172241.28	1136626.67	Yes	No	Stick-up	Yes	Good	No	Yes	70.0					65.0 - 70.0		Unknown	Wellhead completion does not allow for lock installation.			
232	781VBS-7		SS054	1172270.77	1136556.43	Yes	No	Stick-up	Yes	Good	No	Yes	70.0					65.0 - 70.0		Unknown	Wellhead completion does not allow for lock installation.			
233	781VBS-8		SS054	1172627.12	1136699.84	Yes	No	Stick-up	Yes	Good	No	Yes	60.0					55.0 - 60.0		Unknown	Wellhead completion does not allow for lock installation.			
234	781VBS-9		SS054	1172640.61	1136608.44	Yes	No	Stick-up	Yes	Good	No	Yes	65.0					60.0 - 65.0		Unknown	Wellhead completion does not allow for lock installation.			
235	781VBS-10		SS054	1172688.87	1136626.85	Yes	No	Stick-up	No	Good	No	Yes	64.0					59.0 - 64.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
236	781VBS-11		SS054	1172749.46	1136657.95	Yes	No	Stick-up	Yes	Good	No	Yes	62.0					60.0 - 62.0		Unknown	Wellhead completion does not allow for lock installation.			
237	781VBS-12		SS054	1172707.46	1136697.70	Yes	No	Stick-up	Yes	Good	No	Yes	64.5					59.5 - 64.5		Unknown	Wellhead completion does not allow for lock installation.			Damaged by Oct. 2016 mowing activities. Repair completed 12/21/2016.
238	AOC9-MW05	X	SS062	1181171.85	1133372.26	Yes	No	Flushmount	No	Good	Yes	Yes	14.0	484.17	482.72	13.40	11.95	4.0 - 14.0	20.50%	No		Add Well ID.		Ground surface and top of casing elevation were reversed in ERPIMS. Elevation information questionable as well photo clearly shows top of casing is not 1.45' below ground surface.
239	AOC9-MW06	X	SS062	1181035.53	1133815.84	Yes	No	Stick-up	Yes	N/A	Yes	Yes	14.2	482.57	484.10	14.20	12.67	4.2 - 14.2	15.30%	No				
240	AOC9-MW07		SS062	1181437.34	1133545.46	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
241	AOC9-MW08		SS062	1181830.99	1133888.39	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
242	AOC9MW-9BR		SS062	1181037.03	1133735.93	Yes	No	Stick-up	No	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown		Add Well ID.		
243	AOC9MW-10BR		SS062	1181073.50	1133496.31	No							0.0					0.0 - 0.0					Unable to Locate	
244	AOC9MW-11BR		SS062	1182007.19	1134127.47	Yes	No	Stick-up	No	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown		Add Well ID.		
245	AOC9-MW12		SS062	1181781.27	1133845.24	Yes	No	Flushmount	No	Good	No	Yes	19.7					10.0 - 19.7		Unknown		Add Well ID. Add Well Lock.		
246	AOC9-MW13		SS062	1181793.24	1133855.65	Yes	No	Stick-up	Yes	Good	Yes	Yes	22.2					12.2 - 22.2		Unknown				
247	AOC9MW-14	X	SS062	1181913.04	1134024.58	Yes	No	Stick-up	Yes	Good	Yes	Yes	24.0	519.05	520.86	25.55	23.74	14.0 - 24.0	2.60%	No				
248	AOC9MW-15	X	SS062	1181701.71	1133799.71	Yes	No	Stick-up	Yes	N/A	Yes	Yes	14.0	500.04	501.99	14.10	12.15	9.0 - 14.0	37.00%	Yes		Redevelop Well.		
249	AOC9MW-16		SS062	1181624.12	1133750.28	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
250	AOC9MW-17	X	SS062	1181517.91	1133589.49	Yes	No	Stick-up	Yes	N/A	Yes	Yes	14.0	487.51	489.44	16.00	14.07	9.0 - 14.0	-1.40%	No				Ground surface elevation incorrectly listed as 587.51 in ERPIMS. A Ground surface elevation of 487.51 has been presented in this table which is consistent with information contained in AR 1900 (EEEPC/Parsons, November 2007).
251	AOC9MW-18	X	SS062	1182102.90	1134592.40	Yes	No	Stick-up	Yes	Good	Yes	Yes	20.5	527.84	529.34	21.10	19.60	10.5 - 20.5	9.00%	No				
252	AOC9MW-19	X	SS062	1182022.06	1134404.34	Yes	No	Flushmount	Yes	Good	Yes	Yes	18.7	523.38	523.05	21.78	21.45	8.7 - 18.7	-27.80%	No				
253	AOC9TW-17		SS062	1179785.39	1135658.66	No							0.0					0.0 - 0.0					Unable to Locate	
254	AOC9TW-18		SS062	1182169.27	1134185.45	No							0.0					0.0 - 0.0					Unable to Locate	
255	AOC9TW-19		SS062	1182039.90	1134289.17	No							0.0					0.0 - 0.0					Unable to Locate	
256	AOC9TW-20		SS062	1182096.94	1134133.90	No							0.0					0.0 - 0.0					Unable to Locate	
257	AOC9TW-21		SS062	1182080.97	1134152.14	No							0.0					0.0 - 0.0					Unable to Locate	
258	AOC9TW-22		SS062	1182019.27	1134236.70	No							0.0					0.0 - 0.0					Unable to Locate	
259	AOC9TW-23		SS062	1181967.10	1134269.26	No							0.0					0.0 - 0.0					Unable to Locate	
260	AOC9TW-24		SS062	1182072.01	1134070.70	Yes	No	Flushmount	No	Poor	No	No	0.0					0.0 - 0.0		Unknown		Add Well ID. Add Well Lock. Add Well Cap.		
261	AOC9TW-25		SS062	1182044.14	1134100.17	Yes	No	Flushmount	No	Poor	No	No	0.0					0.0 - 0.0		Unknown		Add Well ID. Add Well Lock. Add Well Cap.		
262	AOC9TW-26		SS062	1182030.53	1134115.03	Yes	No	Stick-up	No	Acceptable	No	No	0.0					0.0 - 0.0		Unknown		Add Well ID. Add Well Lock. Add Well Cap.		
263	AOC9TW-27		SS062	1182009.34	1134144.46	No							0.0					0.0 - 0.0					Unable to Locate	
264	AOC9TW-28		SS062	1181981.96	1134173.97	No							0.0					0.0 - 0.0					Unable to Locate	
265	AOC9TW-29		SS062	1181970.21	1134187.21	No							0.0					0.0 - 0.0					Unable to Locate	
266	AOC9TW-30		SS062	1181983.65	1134085.02	Yes	No	Flushmount	No	Poor	No	No	0.0					0.0 - 0.0		Unknown		Add Well ID. Add Well Lock. Add Well Cap.		
267	AOC9TW-31		SS062	1181960.62	1134107.07	No							0.0					0.0 - 0.0					Unable to Locate	
268	AOC9TW-32		SS062	1181937.85	1134077.96	No							0.0					0.0 - 0.0					Unable to Locate	
269	AOC9TW-33		SS062	1182105.31	1134234.22	No							0.0					0.0 - 0.0					Unable to Locate	
270	AOC9TW-34		SS062	1182078.72	1134262.13	No							0.0					0.0 - 0.0					Unable to Locate	
271	AOC9TW-35		SS062	1182011.15	1134310.36	No							0.0					0.0 - 0.0					Unable to Locate	
272	AOC9TW-36		SS062	1181953.14	1134346.87	No							0.0					0.0 - 0.0					Unable to Locate	
273	AOC9TW-37		SS062	1182118.22	1134292.67	No							0.0					0.0 - 0.0					Unable to Locate	
274	AOC9TW-38		SS062	1182084.26	1134332.96	No							0.0					0.0 - 0.0					Unable to Locate	
275	AOC9TW-39		SS062	1182035.60	1134388.97	No							0.0					0.0 - 0.0					Unable to Locate	
276	AOC9TW-40		SS062	1182133.42	1134371.63	No							0.0					0.0 - 0.0					Unable to Locate	
277	AOC9TW-41		SS062	1182120.10	1134399.81	No							0.0					0.0 - 0.0					Unable to Locate	
278	AOC9TW-42		SS062	1182089.66	1134423.43	No							0.0					0.0 - 0.0					Unable to Locate	
279	AOC9TW-43		SS062	1182062.23	1134439.01	No							0.0					0.0 - 0.0					Unable to Locate	
280	AOC9TW-44		SS062	1181959.04	1134200.86	No							0.0					0.0 - 0.0					Unable to Locate	
281	AOC9TW-45		SS062	1181955.43	1134229.84	No							0.0					0.0 - 0.0					Unable to Locate	
282	AOC9TW-46		SS062	1181933.15	1134228.87	No							0.0					0.0 - 0.0					Unable to Locate	
283	AOC9TW-47		SS062	1181938.47	1134262.11	No							0.0					0.0 - 0.0					Unable to Locate	
284	AOC9TW-48		SS062	1181876.73	1134285.38	No							0.0					0.0 - 0.0					Unable to Locate	
285	AOC9TW-49		SS062	1181995.27	1134258.41	No							0.0					0.0 - 0.0					Unable to Locate	
286	AOC9TW-51		SS062	1181923.86	1134323.02	No							0.0					0.0 - 0.0					Unable to Locate	
287	AOC9TW-52		SS062	1181909.85	1134282.18	No							0.0					0.0 - 0.0					Unable to Locate	
288	AOC9TW-54		SS062	1182148.82	1134429.73	No							0.0					0.0 - 0.0					Unable to Locate	
289	AOC9TW-54B		SS062	1182008.12	1134391.08	No							0.0					0.0 - 0.0					Unable to Locate	
290	AOC9TW-56		SS062	1182030.65	1134429.83	No							0.0					0.0 - 0.0					Unable to Locate	

Table 1
Former Griffiss AFB
2016 Well Inventory

Count	Well ID	Sampled Nov. 2016	IRP Site	Northing	Easting	Well Located (Yes/No)	Well Abandoned (Yes/No)	Stick-up or Flush Mount Completion	Well Plate/ Well Identification	Concrete Pad Condition	Lock Present	Well Cap Present	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth (ft btoc)	Measured Depth (ft bgs)	Screened Interval (ft bgs)	Screen Silted	Needs Redevelopment?	Repair Remarks	Future Action/Repairs Needed	Justifiction for Not Identifying Well	Comments
291	AOC9TW-57		SS062	1182169.64	1134336.00	No							0.0					0.0 - 0.0					Unable to Locate	
292	AOC9TW-58		SS062	1182048.85	1134486.93	No							0.0					0.0 - 0.0					Unable to Locate	
293	AOC9TW-59		SS062	1182026.18	1134466.01	No							0.0					0.0 - 0.0					Unable to Locate	
294	AOC9TW-60		SS062	1182006.26	1134487.79	No							0.0					0.0 - 0.0					Unable to Locate	
295	AOC9TW-61		SS062	1182079.29	1134462.54	No							0.0					0.0 - 0.0					Unable to Locate	
296	AOC9TW-62		SS062	1182123.00	1134476.29	No							0.0					0.0 - 0.0					Unable to Locate	
297	AOC9TW-65		SS062	1182200.73	1134521.13	No							0.0					0.0 - 0.0					Unable to Locate	
298	AOC9TW-66		SS062	1182193.84	1134564.34	No							0.0					0.0 - 0.0					Unable to Locate	
299	AOC9TW-67		SS062	1182269.49	1134585.53	No							0.0					0.0 - 0.0					Unable to Locate	
300	AOC9TW-68		SS062	1182014.59	1134345.94	No							0.0					0.0 - 0.0					Unable to Locate	
301	AOC9TW-69		SS062	1181996.44	1134361.64	No							0.0					0.0 - 0.0					Unable to Locate	
302	AOC9TW-70		SS062	1181985.47	1134374.42	No							0.0					0.0 - 0.0					Unable to Locate	
303	AOC9TW-71		SS062	1181978.81	1134344.94	No							0.0					0.0 - 0.0					Unable to Locate	
304	AOC9TW-72		SS062	1182000.00	1134452.51	No							0.0					0.0 - 0.0					Unable to Locate	
305	AOC9TW-73		SS062	1181982.02	1134426.26	No							0.0					0.0 - 0.0					Unable to Locate	
306	AOC9TW-74		SS062	1182029.54	1134560.30	No							0.0					0.0 - 0.0					Unable to Locate	
307	AOC9TW-75		SS062	1182010.98	1134580.91	No							0.0					0.0 - 0.0					Unable to Locate	
308	AOC9TW-76		SS062	1182006.03	1134618.33	No							0.0					0.0 - 0.0					Unable to Locate	
309	AOC9TW-77		SS062	1181981.59	1134636.49	No							0.0					0.0 - 0.0					Unable to Locate	
310	AOC9TW-79		SS062	1181941.27	1134679.87	No							0.0					0.0 - 0.0					Unable to Locate	
311	AOC9TW-80		SS062	1182024.48	1134766.32	No							0.0					0.0 - 0.0					Unable to Locate	
312	AOC9TW-81		SS062	1182112.91	1134641.29	No							0.0					0.0 - 0.0					Unable to Locate	
313	AOC9TW-82		SS062	1182061.04	1134680.24	No							0.0					0.0 - 0.0					Unable to Locate	
314	AOC9TW-83		SS062	1181959.98	1134405.27	No							0.0					0.0 - 0.0					Unable to Locate	
315	AOC9TW-84		SS062	1181938.65	1134386.14	No							0.0					0.0 - 0.0					Unable to Locate	
316	AOC9TW-85		SS062	1181916.78	1134364.46	No							0.0					0.0 - 0.0					Unable to Locate	
317	AOC9TW-86		SS062	1181895.85	1134344.41	No							0.0					0.0 - 0.0					Unable to Locate	
318	AOC9TW-87		SS062	1182139.19	1134614.59	No							0.0					0.0 - 0.0					Unable to Locate	
319	AOC9TW-88		SS062	1182265.69	1134450.93	No							0.0					0.0 - 0.0					Unable to Locate	
320	AOC9TW-89		SS062	1182163.43	1134589.82	No							0.0					0.0 - 0.0					Unable to Locate	
321	AOC9TW-90		SS062	1182173.53	1134405.69	No							0.0					0.0 - 0.0					Unable to Locate	
322	AOC9TW-91		SS062	1182130.64	1134446.14	No							0.0					0.0 - 0.0					Unable to Locate	
323	AOC9TW-92		SS062	1181859.30	1134058.90	No							0.0					0.0 - 0.0					Unable to Locate	
324	AOC9TW-93		SS062	1181803.60	1134004.24	No							0.0					0.0 - 0.0					Unable to Locate	
325	AOC9TW-94		SS062	1181820.63	1134042.22	No							0.0					0.0 - 0.0					Unable to Locate	
326	AOC9TW-95		SS062	1182021.16	1134088.07	Yes	No	Flushmount	No	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown		Add Well ID.		
327	AOC9TW-96		SS062	1181977.61	1134118.65	No							0.0					0.0 - 0.0					Unable to Locate	
328	AOC9TW-97		SS062	1181952.24	1134135.71	No							0.0					0.0 - 0.0					Unable to Locate	
329	G009-MW01	X	SS062	1181715.14	1133595.96	Yes	No	Stick-up	Yes	N/A	Yes	Yes	9.0	492.67	492.67	11.40	11.40	4.0 - 9.0	-48.00%	No				Same value for ground surface and top of casing provided in ERPIMS. As no other survey information is readily available the duplicate values are presented in this table.
330	G009-MW02	X	SS062	1181542.47	1133715.45	Yes	No	Stick-up	Yes	N/A	Yes	Yes	9.0	494.54	494.54	10.22	10.22	4.0 - 9.0	-24.40%	No				Same value for ground surface and top of casing provided in ERPIMS. As no other survey information is readily available the duplicate values are presented in this table.
331	G009-MW03		SS062	1181440.42	1133617.19	Yes	No	Stick-up	Yes	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown				
332	G009-MW04		SS062	1181304.24	1133495.93	Yes	No	Stick-up	Yes	Poor	Yes	Yes	0.0					0.0 - 0.0		Unknown				
333	WSAMW-4		SS062	1181718.00	1134023.00	Yes	No	Stick-up	Yes	Good	Yes	Yes	17.2					7.2 - 17.2		Unknown				
334	AP1MP-A		SS063	1174597.10	1136624.00	No							0.0					0.0 - 0.0					Unable to Locate	
335	AP1MP-B		SS063	1174567.60	1136636.20	No							0.0					0.0 - 0.0					Unable to Locate	
336	AP1MP-C		SS063	1174563.80	1136601.00	No							0.0					0.0 - 0.0					Unable to Locate	
337	AP1MP-D		SS063	1174552.90	1136591.20	No							0.0					0.0 - 0.0					Unable to Locate	
338	AP1MP-E		SS063	1174600.10	1136599.90	No							0.0					0.0 - 0.0					Unable to Locate	
339	HE8MW-1		SS063	1174552.32	1136237.33	No							26.3					16.3 - 26.3					Unable to Locate	
340	789MW-46R	X	SS067	1173946.46	1138241.59	Yes	No	Stick-up	Yes	Good	Yes	Yes	29.0	476.68	479.09	29.00	26.59	14.0 - 29.0	16.07%	No				
341	789MW-63R		SS067	1174345.41	1138378.63	Yes	No	Stick-up	No	Good	Yes	Yes	29.0					14.0 - 29.0		Unknown		Add Well ID.		
342	789MW-64		SS067	1174419.27	1138155.83	Yes	No	Stick-up	No	Good	Yes	Yes	22.0					12.0 - 22.0		Unknown		Add Well ID.		
343	789MW-83	X	SS067	1174133.67	1138394.51	Yes	No	Flushmount	No	Good	No	Yes	31.0	479.29	478.79	30.80	30.30	21.0 - 31.0	7.00%	No		Add Well ID. Add Well Lock.		
344	789MW-95		SS067	1174293.54	1138106.77	Yes	No	Stick-up	No	Poor	Yes	Yes	20.5					10.5 - 20.5		Unknown	Bollards knocked over.	Add Well ID.		
345	789MW-96		SS067	1174085.78	1138127.20	Yes	No	Stick-up	No	Good	No	Yes	24.5					14.5 - 24.5		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
346	789MW-97		SS067	1174144.38	1138027.15	Yes	No	Stick-up	No	Good	Yes	Yes	25.0					15.0 - 25.0		Unknown		Add Well ID.		
347	789MW-98	X	SS067	1174058.90	1137931.05	Yes	No	Stick-up	No	Good	Yes	Yes	20.0	476.59	476.32	19.90	20.17	10.0 - 20.0	-1.70%	No		Add Well ID.		
348	789MW-99	X	SS067	1173966.05	1138022.60	Yes	No	Stick-up	No	Acceptable	Yes	Yes	24.5	474.85	475.80	24.50	23.55	14.5 - 24.5	9.50%	No	2 bollards knocked over.	Add Well ID.		
349	789MW-100		SS067	1173833.09	1137798.88	Yes	No	Stick-up	No	Good	Yes	Yes	21.0					11.0 - 21.0		Unknown		Add Well ID.		
350	789MW-101		SS067	1174188.99	1139180.95	Yes	No	Stick-up	No	Good	Yes	Yes	15.0					5.0 - 15.0		Unknown		Add Well ID.		
351	789MW-102	X	SS067	1173999.60	1139292.87	Yes	No	Stick-up	No	N/A	Yes	Yes	15.0	448.23	451.03	15.00	12.20	5.0 - 15.0	28.00%	No		Add Well ID.		Well inadvertently sampled during Fall 2016 LTM rather than 789MW-103.
352	789MW-103	X	SS067	1173816.99	1139411.93	Yes	No	Stick-up	No	Good	Yes	Yes	15.0	447.50	449.99	16.50	14.01	5.0 - 15.0	9.90%	No		Add Well ID.		
353	789MW-134	X	SS067	1174176.94	1138621.97	Yes	No	Flushmount	No	Good	No	Yes	33.0	481.26	480.74	32.90	32.38	23.0 - 33.0	6.20%	No		Add Well ID. Add Well Lock.		
354	789MW-135	X	SS067	1174061.91	1138663.65	Yes	No	Flushmount	No	Good	No	Yes	33.0	482.02	481.54	33.00	32.52	23.0 - 33.0	4.80%	No		Add Well ID. Add Well Lock.		
355	789MW-214	X	SS067	1174312.83	1138288.64	Yes	No	Stick-up	No	N/A	No	Yes	28.0	0.00	0.00	28.00	28.00	23.0 - 28.0	0.00%	No		Add Well ID. Add Well Lock.		Ground surface and top of casing elevation survey information not available in ERPIMS therefore accurate % of silted screen interval cannot be determined.
356	789MW-215	X	SS067	1174240.92	1138369.74	Yes	No	Stick-up	No	Good	No	Yes	30.0	0.00	0.00	30.00	30.00	25.0 - 30.0	0.00%	No		Add Well ID. Add Well Lock.		Ground surface and top of casing elevation survey information not available in ERPIMS therefore accurate % of silted screen interval cannot be determined.

Table 1
Former Griffiss AFB
2016 Well Inventory

Count	Well ID	Sampled Nov. 2016	IRP Site	Northing	Easting	Well Located (Yes/No)	Well Abandoned (Yes/No)	Stick-up or Flush Mount Completion	Well Plate/ Well Identification	Concrete Pad Condition	Lock Present	Well Cap Present	As-Built Depth (ft bgs)	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Measured Depth (ft btoc)	Measured Depth (ft bgs)	Screened Interval (ft bgs)	Screen Silted	Needs Redevelopment?	Repair Remarks	Future Action/Repairs Needed	Justifiction for Not Identifying Well	Comments
357	789MW-216	X	SS067	1174185.00	1138260.00	Yes	No	Stick-up	No	N/A	No	Yes	29.0	0.00	0.00	28.70	28.70	19.0 - 29.0	3.00%	No		Add Well ID. Add Well Lock.		Ground surface and top of casing elevation survey information not available in ERPIMS therefore accurate % of silted screen interval cannot be determined.
358	789MW-222	X	SS067	1174007.96	1138435.08	Yes	No	Stick-up	No	N/A	No	Yes	28.0	0.00	0.00	28.00	28.00	18.0 - 28.0	0.00%	No		Add Well ID. Add Well Lock.		Ground surface and top of casing elevation survey information not available in ERPIMS therefore accurate % of silted screen interval cannot be determined.
359	789MW-223		SS067	1173858.03	1138102.56	Yes	No	Stick-up	No	Good	No	Yes	23.0					13.0 - 23.0		Unknown		Add Well ID. Add Well Lock.		
360	789RW-200		SS067	1174168.62	1138106.95	Yes	No	Stick-up	Yes	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.			
361	789RW-201		SS067	1174106.11	1138357.27	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
362	789RW-202		SS067	1174069.02	1138199.55	Yes	No	Stick-up	Yes	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.			
363	789RW-203		SS067	1174206.70	1138180.24	No							0.0					0.0 - 0.0			Area heavily overgrown. Once well located marker should be added.		Unable to Locate	
364	789RW-204		SS067	1174066.47	1138283.07	Yes	No	Flushmount	Yes	Acceptable	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.			
365	789RW-205		SS067	1174127.69	1138149.89	Yes	No	Stick-up	Yes	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.			
366	789RW-206		SS067	1174118.30	1138222.76	Yes	No	Flushmount	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown		Add Well ID. Add Well Lock.		
367	789RW-207		SS067	1174118.01	1138292.73	Yes	No	Flushmount	Yes	Good	No	Yes	0.0					0.0 - 0.0		Unknown		Add Well ID.		
368	789RW-208		SS067	1174121.19	1138404.09	Yes	No	Flushmount	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
369	789RW-209		SS067	1174251.53	1138093.26	Yes	No	Stick-up	Yes	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.			
370	789RW-210		SS067	1174086.89	1138320.61	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
371	789RW-211		SS067	1174147.96	1138128.05	Yes	No	Stick-up	No	Good	No	Yes	0.0					0.0 - 0.0		Unknown	Wellhead completion does not allow for lock installation.	Add Well ID.		
372	789RW-212		SS067	1174016.63	1138218.43	Yes	No	Stick-up	No	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown		Add Well ID.		
373	789RW-213		SS067	1174103.69	1138014.20	Yes	No	Stick-up	No	Good	Yes	Yes	0.0					0.0 - 0.0		Unknown		Add Well ID.		
374	789RW-217		SS067	1174211.77	1138107.42	Yes	No	Stick-up	No	Good	No	Yes	30.0					15.0 - 30.0		Unknown		Add Well ID. Add Well Lock.		
375	789RW-218		SS067	1174167.83	1138138.14	Yes	No	Stick-up	No	Good	No	Yes	30.0					15.0 - 30.0		Unknown		Add Well ID. Add Well Lock.		
376	789RW-219		SS067	1174077.05	1138160.11	Yes	No	Stick-up	No	Good	No	Yes	30.0					15.0 - 30.0		Unknown		Add Well ID. Add Well Lock.		
377	789RW-220		SS067	1174086.92	1138239.42	Yes	No	Stick-up	No	Good	No	Yes	20.0					10.0 - 20.0		Unknown	Locking EnviroCap® present.	Add Well ID.		
378	789RW-221		SS067	1174045.73	1138255.60	Yes	No	Stick-up	No	Good	No	Yes	25.0					10.0 - 25.0		Unknown	Locking EnviroCap® present.	Add Well ID.		

Notes:
ID = Identification
IRP = Installation Restoration Program
ft = Feet
bgs = below ground surface
amsl = above mean sea level
btoc = below top of casing
NM = Not Measured
N/A = Not Applicable
ERPIMS = Environmental Resources Program Information Management System
AR = Administrative Record
NYSDEC = New York State Department of Environmental Conservation
LTM = Long Term Monitoring
EEEPC = Ecology and Environment Engineering, P.C.

FIGURE / PLATE

Former Griffiss Air Force Base Location Map

Figure 1

Technical Memorandum 2016 Annual Well Inspection Survey and Well Maintenance Report
Former Griffiss Air Force Base Rome, New York

DRAWN BY: MRM

DATE: 2/23/2017

SCALE: As Shown

PROJECT NO: AFCGSA3. 0012.00AA

bhate ENVIRONMENT & INFRASTRUCTURE

Basewide Monitoring Well Locations

Plate 1

Technical Memorandum 2016 Annual Well-Inspection Survey and Well Maintenance Report
Former Griffiss Air Force Base Rome, New York

bhate ENVIRONMENT & INFRASTRUCTURE

PROJECT NO:	SCALE:	DATE:	DRAWN BY:
AFCGSA3.0012.00AA	As Shown	2/23/2017	MRM

Notes:
This information is depicted to provide visual aid within the context of this document and should not be used as a sole reference in precise dimensioning of features indicated. Please verify the location of all features including underground and aboveground utilities prior to conducting any subsurface exploration or site assessment.

Legend:
- Monitoring Well Location
- Monitoring Well Location (Not Located)
- Monitoring Well Location Field Confirmed as being Abandoned with Grout (Fall 2016)
- Installation Restoration Program (IRP) Area
- Base Boundary
- 5657 Building Number

0 150 300 600 Feet

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APPENDIX A – WELL INSPECTION FIELD FORMS

(PROVIDED ELECTRONICALLY ON CD)

LF6MW-13RD

Well ID: ~~LF6VMW-13RD~~

Site ID: SD052-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.7.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	~~Below~~ Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?			—	
	Is the lock present?			—	
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?	✓			
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			—	
	Is the concrete pad cracked or deteriorated?			—	
	Is the pad covered by gravel, soil, or debris?			—	
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 40.85				
	Installed (as-built) depth of well (ft): 40.0'				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6MW-13RD

LF6MW-16

Well ID: LF6MW-16

Site ID: SD052-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.8.16

Project Name: Well Inventory - 2016

11/8 #5

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?			—	
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?	✓			
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 48.90				
	Installed (as-built) depth of well (ft): 47.0'				

Comments: WELL WAS INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6MW-16

LF6MW-17

Well ID: LF6MW-17

Site ID: SD052-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.8.16

Project Name: Well Inventory - 2016

11.9 #6

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		—	—	
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?	✓			
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 55.65				
	Installed (as-built) depth of well (ft): 55.0'				

Comments: WELL WIZARD INSTALLER

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6MW-17

Well ID: LF6MW-20

Site ID: SD052-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.8.16

Project Name: Well Inventory - 2016

11/8 #4

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?	✓			
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 52.65				
	Installed (as-built) depth of well (ft): 51.0				

Comments: WELL WIZARD INSTALLED

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6MW-20

LF6MW-31

Well ID: LF6MW-31

Site ID: SD052-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.8.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?	✓			
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?	✓	✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			-	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): ~~-~~ 57.12				
	Installed (as-built) depth of well (ft): 55.0				

Comments: WELL WIZARD INSTALLED

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6MW-31

LF6MW-39

Well ID: LF6MW-39

Site ID: SSO52-001

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LISE CAROLE

Inspection Date: 11.7.16

Project Name: Well Inventory - 2016

11/7 #3

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, ~~Stainless Steel~~)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	~~Below Top of Riser~~ / Below Top of Pro-Casing				
	Is the lockable cap vented?			—	
	Is the lock present?			—	
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 31.70				
	Installed (as-built) depth of well (ft): 32.0' 32.0				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6MW-39

LF6TW-33

Well ID: LF6TW-33

Site ID: SD052-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.9.16

Project Name: Well Inventory - 2016

11/9 #7

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?		✓		
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?		✓		
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			–	
	Do posts require painting?			–	
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			–	
	Is the concrete pad cracked or deteriorated?			–	
	Is the pad covered by gravel, soil, or debris?			–	
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): ~~42.0'~~ 42.00				
	Installed (as-built) depth of well (ft): 25.0'				

Comments: AS-BUILT DEPTH INCORRECT

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6TW-33

Well ID: LF6TW-34

Site ID: SD052-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 11.9.16

Project Name: Well Inventory - 2016

4/9 #2

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?		✓		
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?		✓		
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓	–	
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			–	
	Do posts require painting?			–	
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			–	
	Is the concrete pad cracked or deteriorated?			–	
	Is the pad covered by gravel, soil, or debris?			–	
	Is the pad below surrounding grade?		✓	.	
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 55.30				
	Installed (as-built) depth of well (ft): 25.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6TW-34

LF6TW-35

Well ID: LF6TW-35

Site ID: SD052-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Lisemore

Inspection Date: 11.9.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?		✓		
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?		✓		
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓	–	
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			–	
	Do posts require painting?			–	
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			–	
	Is the concrete pad cracked or deteriorated?			–	
	Is the pad covered by gravel, soil, or debris?			–	
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 56.17				
	Installed (as-built) depth of well (ft): 25.0				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6TW-35

Well ID: LF6TW-36
Site ID: SOO52-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE
Inspection Date: 11.8.16

Project Name: Well Inventory - 2016

11/8 #2

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?		✓		
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing / (TOC)				
	Is the lockable cap vented?		✓		
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?			—	
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?	✓			
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			—	
	Is the concrete pad cracked or deteriorated?			—	
	Is the pad covered by gravel, soil, or debris?			—	
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 57.48				
	Installed (as-built) depth of well (ft): 25.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6TW-36

LF6TW-38

Well ID: LF6TW-38

Site ID: SDJ52-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.8.16

Project Name: Well Inventory - 2016

11/8 #1

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?		✓		
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?		✓		
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?			–	
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			–	
	Do posts require painting?			–	
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			–	
	Is the concrete pad cracked or deteriorated?			–	
	Is the pad covered by gravel, soil, or debris?			–	
	Is the pad below surrounding grade?			–	
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): – 57.00				
	Installed (as-built) depth of well (ft): 25.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6TW-38

Well ID: LFBVMW-13R

Site ID: SD052-04

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.7.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?			—	
	Is the lock present?			—	
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			—	
	Is the concrete pad cracked or deteriorated?			—	
	Is the pad covered by gravel, soil, or debris?			—	
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 37.50				
	Installed (as-built) depth of well (ft): 37.0'				

Comments: WELL WIZARDS INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6VMW-13R

LF6VMW-26

Well ID: LF6VMW-26

Site ID: SS052-07

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 11.7.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?			—	
	Is the lock present?			—	
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?	✓			
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?	✓			
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 54.6' 54.60				
	Installed (as-built) depth of well (ft): 55.0'				

Comments: WELL WIZARD INSTALLED

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



LF6VMW-26

786MW-15

Well ID: 786MW-15

Site ID: 0785 Pipeline

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 10.4.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓	✓		
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?		✓		
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?	✓			
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 20.0 20.00				
	Installed (as-built) depth of well (ft): 20.0				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



786MW-15

786MW-2

Well ID: 786MW-2
Site ID: B795 PIPELINE

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LISENBARDE
Inspection Date: 11.4.16

Project Name: Well Inventory - 2016

11/4 #1

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?		✓		
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?		✓		
	Riser Size / Material (PVC, Stainless Steel)			—	
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?		✓		
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?	✓			
	Does vault leak?	✓			
	Is water in the vault?		✓		
	Are all bolts present?		✓		
	Are bolt threads stripped?			—	
Well Security	Is the cap lockable?	✓			
	Is the lock present?		✓		
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			—	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?	✓			
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?	✓			
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 21.5' 21.50				
	Installed (as-built) depth of well (ft): 22.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



786MW-2

Well ID: 782MW-10

Site ID: SD052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons

Inspection Date: 11/15/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		X		
	Lock Present?		X		
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?		X		
	Is the lock present?		X		
	Are the hasps welded or secured firmly to the cap?			X	
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		X		
	Does vault leak?		X		
	Is water in the vault?		X		
	Are all bolts present?		X		
	Are bolt threads stripped? Broken on 1 side	X			
Well Security	Is the cap lockable?	X			
	Is the lock present?		X		
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		X		
	Is the label, tag, or plate legible?		X		
Biological Hazards	Are there biological hazards on the ground near well pad?		X		
	Are there biological hazards present in well vault?		X		
Protective bollards	Are protective posts installed?			X	
	Are protective posts damaged?			X	
	Do posts require painting?			X	
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?	X			
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 33.66				
	Installed (as-built) depth of well (ft):				

Comments: Dedicated Bladder Pump in well

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.

782MW-184

Well ID: ~~782MW-84D~~

Site ID: SD052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRS Parsons

Inspection Date: 11/15/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		X		
	Lock Present?		X		
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC				
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?		X		
	Is the lock present?		X		
	Are the hasps welded or secured firmly to the cap?			X	
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		X		
	Does vault leak?	X			
	Is water in the vault?		X		
	Are all bolts present?		X		
	Are bolt threads stripped?		X		
Well Security	Is the cap lockable?	X			
	Is the lock present?		X		
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		X		
	Is the label, tag, or plate legible?		X		
Biological Hazards	Are there biological hazards on the ground near well pad?		X		
	Are there biological hazards present in well vault?		X		
Protective bollards	Are protective posts installed?			X	
	Are protective posts damaged?			X	
	Do posts require painting?			X	
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?		X		
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?	X			
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 74.50				
	Installed (as-built) depth of well (ft):				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.

Well ID: 732VMW-76

Site ID: S0052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 3.10.17

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?		✓		
	Protective Casing?		✓		
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel) 2"				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		✓		
	Does vault leak?	✓			
	Is water in the vault?		✓		
	Are all bolts present?		✓		
	Are bolt threads stripped?			✓	
Well Security	Is the cap lockable?	✓			
	Is the lock present?		✓		
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?		✓		
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			✓	
	Do posts require painting?			✓	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 41.6'				
	Installed (as-built) depth of well (ft): 43.0'				

Comments: WELL WIZARD INSTALLED. DEBRIS IN VAULT.


782VMW-76

Well ID: 782VMW-100
Site ID: SD052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons
Inspection Date: 11/15/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?	X			
	Are there biological hazards present in well vault?	X			
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?	n/a	X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 27.70				
	Installed (as-built) depth of well (ft):				

Comments: Dedicated Bladder pump installed

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



782VMW-100

Well ID: 782RMW-101

Site ID: 50052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 11.15.16

Project Name: Well Inventory - 2016

11/15 #4

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?				
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): ~ 25.02				
	Installed (as-built) depth of well (ft): 22.0'				

Comments: WELL WIZARD INSTALLED

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



782VMW-101

Well ID: 782 VMU - 105B
Site ID: SD052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE
Inspection Date: 3.10.17

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, ~~Stainless Steel~~) 2"				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?			-	
	Does vault leak?			-	
	Is water in the vault?			-	
	Are all bolts present?			-	
	Are bolt threads stripped?			-	
Well Security	Is the cap lockable?			-	
	Is the lock present?			-	
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?	✓			
	Do posts require painting?	✓			
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 41.4'				
	Installed (as-built) depth of well (ft): 42.0'				

Comments: WELL WELLS INSTALLED

WW CATCHES ON SOMETHING ~6' ~~BGS~~ BELOW TOC


782VMW-105B

Well ID: 782U,MW-121

Site ID: SD052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons

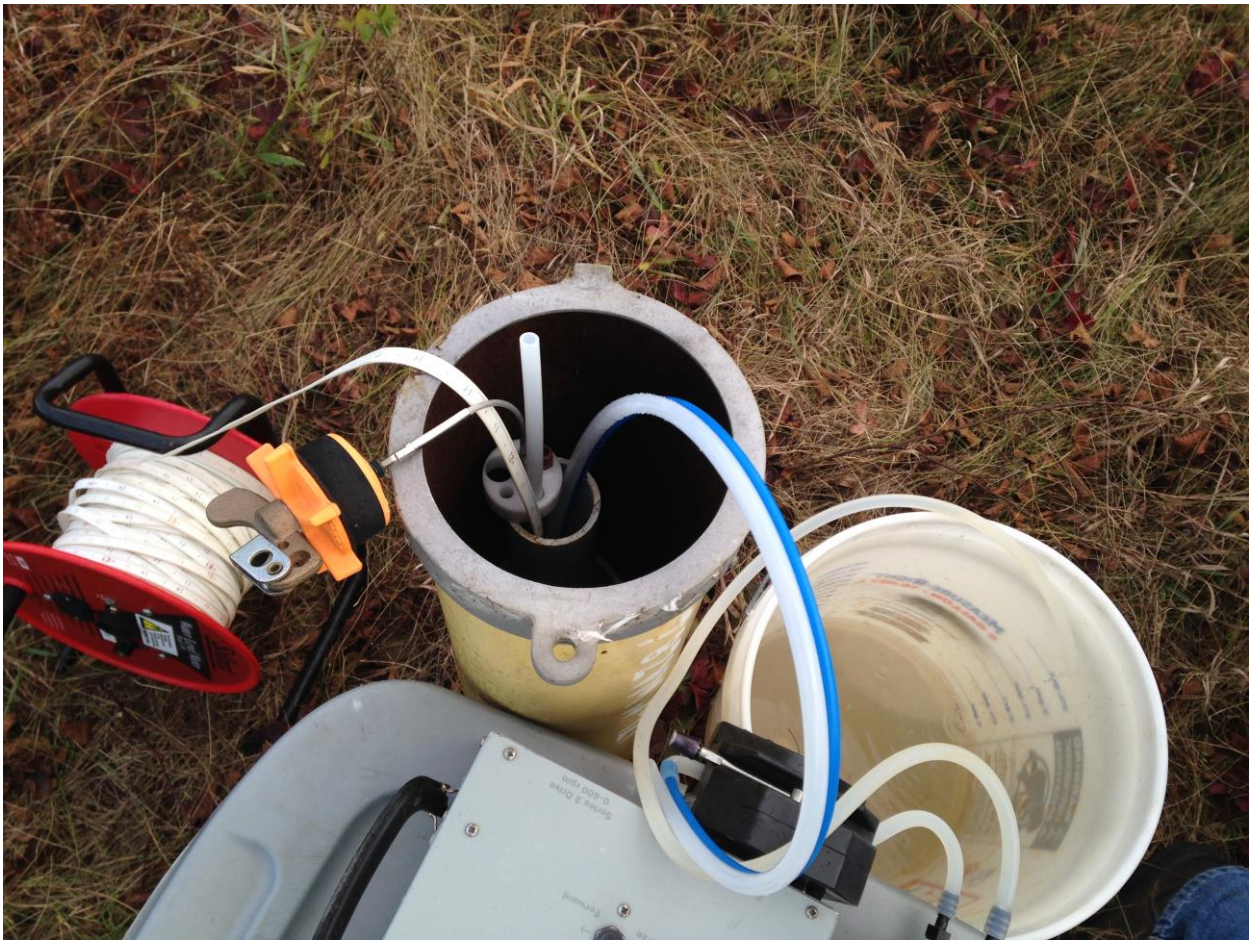
Inspection Date: 11/15/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			#2 11/15
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?	X			
	Are there biological hazards present in well vault?	X			
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 28.10				
	Installed (as-built) depth of well (ft):				

Comments: Dedicated Bladder pump present

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



782VMW-121

Well ID: 782VMW-121D

Site ID: SD052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.15.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?				
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 33.0' 33.10				
	Installed (as-built) depth of well (ft):				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



782VMW-121D

Well ID: 782VMW-78

Site ID: SD052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons

Inspection Date: 11/16/15

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?		X		
	Are there biological hazards present in well vault?		X		
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged? Tilted	X			
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 45.51				
	Installed (as-built) depth of well (ft):				

Comments: Dedicated Bladder pump installed

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



782VMW-78

Well ID: 782VMW-01

Site ID: 50052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.16.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): – 49.90				
	Installed (as-built) depth of well (ft): 50.0'				

11.16 #2

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



782VMW-81

Well ID: 732VMW-84

Site ID: 80052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.15.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?		✓		
	Protective Casing?		✓		
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?		✓		
	Riser Size / Material (PVC, Stainless Steel)			–	
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		✓		
	Does vault leak?	✓			
	Is water in the vault?		✓		
	Are all bolts present?	✓			
	Are bolt threads stripped?		✓		
Well Security	Is the cap lockable?		✓		
	Is the lock present?			–	
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			–	
	Do posts require painting?			–	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?	✓			
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): – 45.50				
	Installed (as-built) depth of well (ft): 44.5'				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



782VMW-84

Well ID: 78VMW-84D
Site ID: S9052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LISEMBEE
Inspection Date: 2.9.17

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		X		
	Lock Present?		X		
	Protective Casing?	✓			
	Concrete Pad?		X		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?	✓			
	Does vault leak?	✓			
	Is water in the vault?	✓			
	Are all bolts present?		✓		
	Are bolt threads stripped?			–	
Well Security	Is the cap lockable?	✓			
	Is the lock present?		✓		
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?		.	–	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			–	
	Do posts require painting?			–	
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			–	
	Is the concrete pad cracked or deteriorated?			–	
	Is the pad covered by gravel, soil, or debris?			–	
	Is the pad below surrounding grade?			–	
	Is there erosion or void space under pad?			–	
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 47.5'				
	Installed (as-built) depth of well (ft): ~~74.5'~~ 56.50				

Comments: WELL WIZARD INSTALLED

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.


782VMW-84D

Well ID: 782VMW-96

Site ID: SD052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.15.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?		✓		
	Protective Casing?		✓		
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?	✓	✓		
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		✓		
	Does vault leak?	✓			
	Is water in the vault?	✓			
	Are all bolts present?	✓			
	Are bolt threads stripped?		✓		
Well Security	Is the cap lockable?	✓			
	Is the lock present?		✓		
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?		✓		
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			-	
	Do posts require painting?			-	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?	✓	✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			-	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 43.70				
	Installed (as-built) depth of well (ft): 43.0'				

11.15 #7

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



782VMW-96

AP2MW-3

Well ID: ~~AP2-MW3~~

Site ID: 50052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIEBATOZE

Inspection Date: 11.15.16

Project Name: Well Inventory - 2016

11/15 #5

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?		✓		
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?			-	
	Riser Size / Material (PVC, Stainless Steel)			-	
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing / TOC				
	Is the lockable cap vented?			-	
	Is the lock present?			-	
	Are the hasps welded or secured firmly to the cap?			-	
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		-		
	Does vault leak?	✓	.		
	Is water in the vault?		✓		
	Are all bolts present?		✓		
	Are bolt threads stripped?			-	
Well Security	Is the cap lockable?	✓			
	Is the lock present?		✓		
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			-	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			-	
	Do posts require painting?			-	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			-	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): ~ 33.65				
	Installed (as-built) depth of well (ft): 33.6'				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



AP2MW-3

Well ID: 775 EW-1
Site ID: SD052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DEB Parsons
Inspection Date: 11/17/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		X		
	Lock Present?		X		
	Protective Casing?	X			
	Concrete Pad?		X		
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 3" Stainless	X			
	Measuring Point Marked?		X		
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?		X		
	Is the lock present?		X		
	Are the hasps welded or secured firmly to the cap?			X	
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		X		
	Does vault leak?	X			
	Is water in the vault?		X		
	Are all bolts present?	X			
	Are bolt threads stripped?	X			
Well Security	Is the cap lockable?		X		
	Is the lock present?		X		
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		X		
	Is the label, tag, or plate legible?		X		
Biological Hazards	Are there biological hazards on the ground near well pad?		X		
	Are there biological hazards present in well vault?		X		
Protective bollards	Are protective posts installed?			X	
	Are protective posts damaged?			X	
	Do posts require painting?			X	
Concrete Well Pad	Is a concrete pad installed?		X		
	Does pad slope away from well?		X	X	
	Is the concrete pad cracked or deteriorated?			X	
	Is the pad covered by gravel, soil, or debris?			X	
	Is the pad below surrounding grade?			X	
	Is there erosion or void space under pad?			X	
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?		X		
	Specify location of measuring point: TOC				
	Measured depth of well (ft): Not Measured Due to Pump Presence				
	Installed (as-built) depth of well (ft):				

Comments: - Protective cover to Flush Mount Well Should be replaced

Dedicated Bladder pump installed

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



775EW-1

775MW-20

Well ID: ~~775VMW-20~~

Site ID: SD052-01

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LUBERTOZZI

Inspection Date: 11.16.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing / TOC				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			–	
	Is the concrete pad cracked or deteriorated?			–	
	Is the pad covered by gravel, soil, or debris?			–	
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 125.20				
	Installed (as-built) depth of well (ft): 120.5'				

11.16 #4

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



775MW-20

Well ID: 775MW-27
Site ID: SD052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons
Inspection Date: 11/17/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		X		
	Lock Present?	X	Gone		
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?			X	
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?	X			
	Does vault leak?	X			
	Is water in the vault?		X		
	Are all bolts present?		X		
	Are bolt threads stripped? Broken off	X			
Well Security	Is the cap lockable?		X		
	Is the lock present?	X			
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		X		
	Is the label, tag, or plate legible?		X		
Biological Hazards	Are there biological hazards on the ground near well pad?		X		
	Are there biological hazards present in well vault?		X		
Protective bollards	Are protective posts installed?			X	
	Are protective posts damaged?			X	
	Do posts require painting?			X	
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X	X		
	Specify location of measuring point:	TOC			
	Measured depth of well (ft): 81.00				
	Installed (as-built) depth of well (ft):				

Flush Mount Protective Cove should be replaced

Comments: Dedicated Bladder Pump in Well

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



775MW-27

Well ID: 775MW-28
Site ID: SD052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons
Inspection Date: 11/16/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?		X		
	Are there biological hazards present in well vault?		X		
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 91.55				
	Installed (as-built) depth of well (ft):				

Comments: Dedicated Bladder Pump in Well

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.

Well ID: 775MW-6
Site ID: SD052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons
Inspection Date: 11/17/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	✓			
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	✓			
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 78.60				
	Installed (as-built) depth of well (ft):				

Comments: Dedicated Bladder pump installed

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



775MW-6

Well ID: 775VMW-10

Site ID: SD052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 11.16.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (Top)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			–	
	Is the concrete pad cracked or deteriorated?			–	
	Is the pad covered by gravel, soil, or debris?			–	
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 102.25				
	Installed (as-built) depth of well (ft): 103'				

Comments: WELL W/ LOCK INSTALLED

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



775VMW-10

Well ID: 775RMW-19R
Site ID: SD052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons
Inspection Date: 11/16/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?		X		
	Are there biological hazards present in well vault?		X		
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 77.30				
	Installed (as-built) depth of well (ft):				

Comments: Dedicated Bladder Pump in Well

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.

775VMW-4

Well ID: ~~775MW-4~~ **Site ID:** SD052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons

Inspection Date: 11/17/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?		X		
	Are there biological hazards present in well vault?		X		
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?	X			
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 70.15				
	Installed (as-built) depth of well (ft):				

Comments: Dedicated Bladder Pump present

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



775VMW-4

775VMW-5

Well ID: ~~775MW-5~~

Site ID: SD052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons

Inspection Date: 11/17/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap? Broken				
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one): *	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap? No				
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?		X		
	Are there biological hazards present in well vault?		X		
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 75.50				
	Installed (as-built) depth of well (ft):				

* Covered looks like it is OK but inner cover ring cracked

Comments: Dedicated Pump installed

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



775VMW-5

Well ID: 775VMW-8
Site ID: SB052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: SL RALSTON
Inspection Date: 1.19.17

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	SOIL			
	Does pad slope away from well?				
	Is the concrete pad cracked or deteriorated?		COMMENT		
	Is the pad covered by gravel, soil, or debris?				
	Is the pad below surrounding grade?				
	Is there erosion or void space under pad?				
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 78.0'				
	Installed (as-built) depth of well (ft):				

• WELL IN GRASSY AREA. LIKELY HAS NO CONCRETE PAD.

Comments: • WELL WIZARD INSTALLED


775VMW-8

Well ID: 775VMW-9
Site ID: SD052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons
Inspection Date: 11/17/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?	X			
	Are there biological hazards present in well vault?	X			
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 98.77				
	Installed (as-built) depth of well (ft):				

Comments: Dedicated Bladder Pump in Well

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



775VMW-9

Well ID: 775 VMW-20R

Site ID: 50052-02

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Libenzole

Inspection Date: 11.16.16

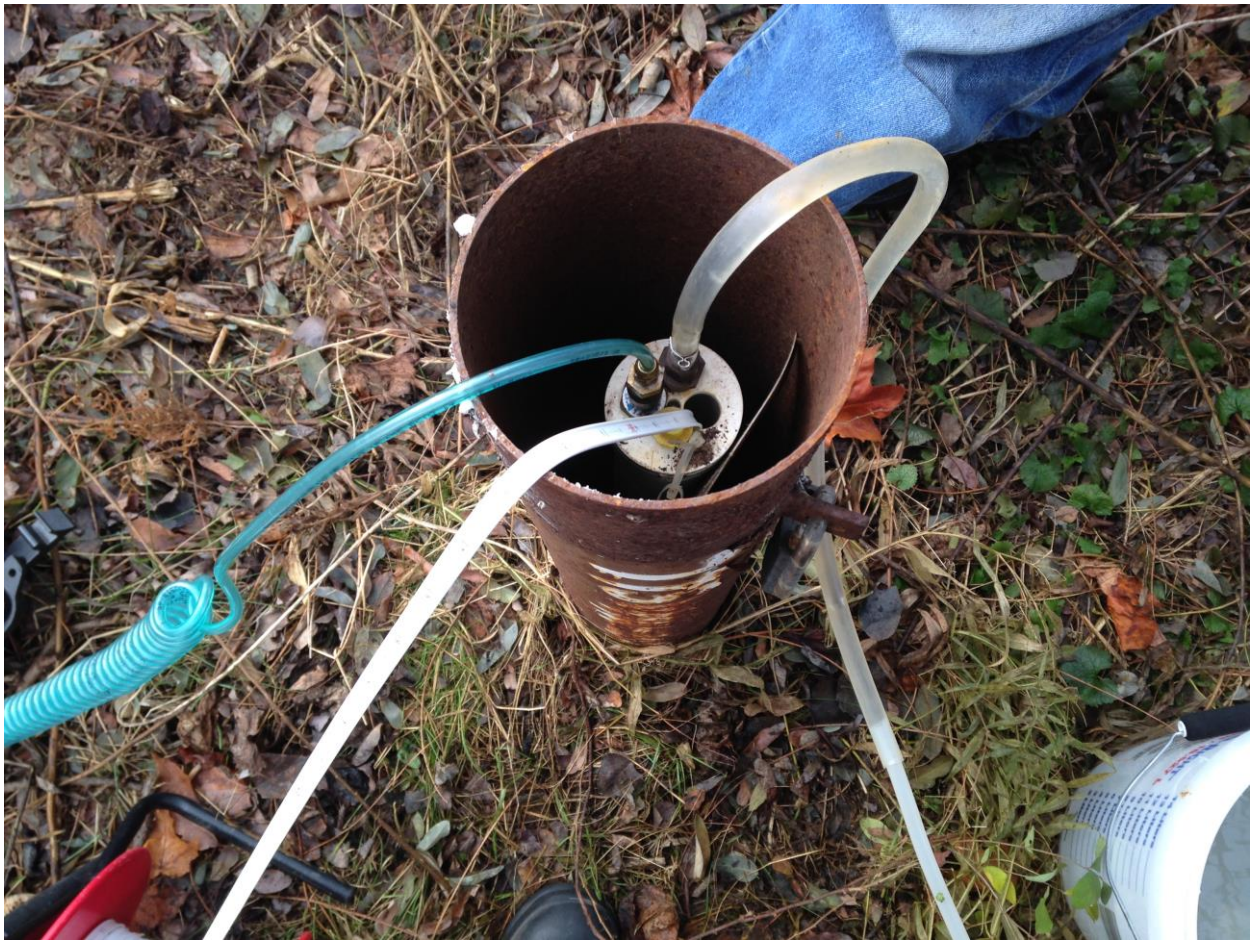
Project Name: Well Inventory - 2016

11.16 #3

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?	✓			
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			–	
	Is the concrete pad cracked or deteriorated?			–	
	Is the pad covered by gravel, soil, or debris?			–	
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		.	–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): – 116.15				
	Installed (as-built) depth of well (ft): 115.0				

Comments: WELL HEAD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



775VMW-20R

Well ID: 817MW-1
Site ID: SD052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: ORD Parsons
Inspection Date: 11/14/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?		X		
	Concrete Pad?		X		
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 1" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	X			
	Is the lockable cap vented?		X		
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	N/A			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?	X			
	Are there biological hazards present in well vault?	X			
Protective bollards	Are protective posts installed?		X		
	Are protective posts damaged? N/A				
	Do posts require painting? N/A				
Concrete Well Pad	Is a concrete pad installed?		X		
	Does pad slope away from well? N/A				
	Is the concrete pad cracked or deteriorated? N/A				
	Is the pad covered by gravel, soil, or debris? N/A				
	Is the pad below surrounding grade? N/A				
	Is there erosion or void space under pad? N/A				
Down Hole Conditions	Is there any down hole sampling equipment present?		X		
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?		X		
	Is the bottom of the well soft?	X			
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 20.10				
	Installed (as-built) depth of well (ft):				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



817MW-1

Well ID: 817MW-2
Site ID: SD052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons
Inspection Date: 11/14/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?		X		
	Concrete Pad?		X		
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 1" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?		X		
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap? N/A				
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?	X			
	Are there biological hazards present in well vault?	X			
Protective bollards	Are protective posts installed?		X		
	Are protective posts damaged? N/A				
	Do posts require painting? N/A				
Concrete Well Pad	Is a concrete pad installed? N/A		X		
	Does pad slope away from well? N/A				
	Is the concrete pad cracked or deteriorated? N/A				
	Is the pad covered by gravel, soil, or debris? N/A				
	Is the pad below surrounding grade? N/A				
	Is there erosion or void space under pad? N/A				
Down Hole Conditions	Is there any down hole sampling equipment present?		X		
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?	X			
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 18.06				
	Installed (as-built) depth of well (ft):				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



817MW-2

Well ID: 817MW-3
Site ID: SD052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: ORD Parsons
Inspection Date: 11/14/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?		X		
	Concrete Pad?		X		
	Riser Cap?	X	~~X~~		
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 1" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?		X		
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap? N/A				
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?	X			
	Are there biological hazards present in well vault?	X			
Protective bollards	Are protective posts installed?		X		
	Are protective posts damaged? N/A				
	Do posts require painting? N/A				
Concrete Well Pad	Is a concrete pad installed?		X		
	Does pad slope away from well? N/A				
	Is the concrete pad cracked or deteriorated? N/A				
	Is the pad covered by gravel, soil, or debris? N/A				
	Is the pad below surrounding grade? N/A				
	Is there erosion or void space under pad? N/A				
Down Hole Conditions	Is there any down hole sampling equipment present?		X		
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?		X		
	Is the bottom of the well soft?	X			
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?		X		
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 20.62				
	Installed (as-built) depth of well (ft):				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



817MW-3

Well ID: LAWMW-9
Site ID: SD-052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons
Inspection Date: 11/14/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?	X			
	Are there biological hazards present in well vault?	X			
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 18.70				
	Installed (as-built) depth of well (ft):				

Comments: Well Wizard dedicated Pump installed

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.


PARRATT-WOLFF INC.
FISHER ROAD
EAST SYRACUSE
NEW YORK 13057
PHONE 315/437-1422
LAWMW-9

LAWMW-9

WSA-MW16

Well ID: ~~WSAMW-16~~

Site ID: SD052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIEBENBERG

Inspection Date: 11.14.16

Project Name: Well Inventory - 2016

11/14 #3

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing / TOC				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): – 21.90				
	Installed (as-built) depth of well (ft): 20.0				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



WSA-MW16

WSAMW-18

Well ID: WSAM-18

Site ID: S0052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.14.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing / TOC				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			–	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): – 15.68				
	Installed (as-built) depth of well (ft): 16.0'				

Comments: WELL WIZARD INSTALLED

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



WSAMW-18

WSAMW-19

Well ID: WSAMW-19

Site ID: SD052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.14.16

Project Name: Well Inventory - 2016

11/14 #4

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 18.40				
	Installed (as-built) depth of well (ft): 18.0'				

Comments: WELL WIZARD INSTALLER.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



WSAMW-19

Well ID: WSAMW-21
Site ID: SD052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons
Inspection Date: 11/14/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" PVC	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?	X			
	Are there biological hazards present in well vault?	X			
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?		X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X	N		
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 26.18				
	Installed (as-built) depth of well (ft):				

Comments: Well Wizard Bladder Pump present

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



WSAMW-21

WSAMW-23

Well ID: WSAMW - 23

Site ID: SDOS2-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 11.14.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		.	—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 26.50				
	Installed (as-built) depth of well (ft): 25.0'				

11/14 #5

Comments: WELL WIZARD INSTALLED. SCREEN CRUSHED FROM OVER-TORQUED BOLT. SILT IN CHECK VALVE.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



WSAMW-23

WSAMW-8

Well ID: WSAM-6

Site ID: SD052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.14.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?	✓			
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		.	—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 15.50				
	Installed (as-built) depth of well (ft): 14.0'				

11/14 #1

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



WSAMW-8

Well ID: WSAMW-9

Site ID: SD052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 11.14.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing (TOC)				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?	✓			
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓	✓		
	Does pad slope away from well?	✓		—	
	Is the concrete pad cracked or deteriorated?		✓	—	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 9.50				
	Installed (as-built) depth of well (ft): ~~17.0'~~ 8.0				

Comments: Well Wizard installed.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



WSAMW-9

WSAVMW-17

Well ID: ~~WSAMW-17~~

Site ID: SD052-05

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: DRD Parsons

Inspection Date: 11/14/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	X			
	Lock Present?	X			
	Protective Casing?	X			
	Concrete Pad?	X			
	Riser Cap?	X			
	Visible Well Riser?	X			
	Riser Size / Material (PVC, Stainless Steel) 2" Stain Steel	X			
	Measuring Point Marked?	X			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing	TOC			
	Is the lockable cap vented?	X			
	Is the lock present?	X			
	Are the hasps welded or secured firmly to the cap?	X			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	X			
	Is the label, tag, or plate legible?	X			
Biological Hazards	Are there biological hazards on the ground near well pad?	X			
	Are there biological hazards present in well vault?	X			
Protective bollards	Are protective posts installed?	X			
	Are protective posts damaged?		X		
	Do posts require painting?		X		
Concrete Well Pad	Is a concrete pad installed?	X			
	Does pad slope away from well?	X			
	Is the concrete pad cracked or deteriorated?	~~X~~	X		
	Is the pad covered by gravel, soil, or debris?		X		
	Is the pad below surrounding grade?		X		
	Is there erosion or void space under pad?		X		
Down Hole Conditions	Is there any down hole sampling equipment present?	X			
	Are there any obstructions in the well?		X		
	Is the well plumb and aligned?	X			
	Is the bottom of the well soft?		X		
	Does measuring point need to be resurveyed?		X		
	Is measuring point clearly marked?	X			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 27.70				
	Installed (as-built) depth of well (ft):				

Comments: Well Wizard dedicated pump present

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



WSAVMW-17

781MW-20

Well ID: 781MW-20
Site ID: SS054

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE
Inspection Date: 11.3.16

Project Name: Well Inventory - 2016

11/3 #7

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?	✓			
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 44.9' 44.90				
	Installed (as-built) depth of well (ft): 45.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



781MW-20

781MW-8

Well ID: 781MW-8

Site ID: 55054

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 11.3.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?		✓	–	
	Riser Size / Material (PVC, Stainless Steel) 4" SST			–	
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?		✓		
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		**Yes**	**No**	**NA**	**Photo #**
Well Cover	Does the rubber gasket need to be replaced?		✓		
	Does vault leak?	✓	✓		
	Is water in the vault?		✓		
	Are all bolts present?		✓		
	Are bolt threads stripped?		✓		
Well Security	Is the cap lockable?	✓			
	Is the lock present?		✓		
Complete for All Wells		**Yes**	**No**	**NA**	**Photo #**
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			–	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			–	
	Do posts require painting?			–	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 65.0' 65.00				
	Installed (as-built) depth of well (ft): 63.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



781MW-8

Well ID: AOC9-MW05
Site ID: SS062

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore
Inspection Date: 10/31/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓	✓		
	Visible Well Riser?	✓	✓		
	Riser Size / Material (PVC, Stainless Steel)		✓	✓	
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?			✓	
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		✓		
	Does vault leak?		✓		
	Is water in the vault?		✓		
	Are all bolts present?	✓			
	Are bolt threads stripped?		✓		
Well Security	Is the cap lockable?	✓			
	Is the lock present?	✓			
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			✓	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?			✓	
	Are protective posts damaged?			✓	
	Do posts require painting?			✓	
Concrete Well Pad	Is a concrete pad installed?	X	✓		
	Does pad slope away from well?			✓	
	Is the concrete pad cracked or deteriorated?			✓	
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?	✓			
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 13.4' 13.40				
	Installed (as-built) depth of well (ft): ~~13.4'~~ 14.0				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



AOC9-MW05

Well ID: AOC9 - MW06
Site ID: SS06 2

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: SLIGERTOE
Inspection Date: 10/31/16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo # 1
Monitoring Point Physical Condition	ID Marked?	✓	✗		
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✗		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)	2" PVC			
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✗		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		✓		
	Does vault leak?		✓		
	Is water in the vault?				
	Are all bolts present?			✓	
	Are bolt threads stripped?			✓	
Well Security	Is the cap lockable?	✓			
	Is the lock present?	✓			
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			✓	
	Is the concrete pad cracked or deteriorated?			✓	
	Is the pad covered by gravel, soil, or debris?			✓	
	Is the pad below surrounding grade?			✓	
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 14.2' 14.20				
	Installed (as-built) depth of well (ft): 14.2'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



AOC9-MW06

AOC9MW-14

Well ID: ~~AOC-MW14~~

Site ID: SS062

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Liberatore

Inspection Date: 11.1.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, ~~Stainless Steel~~) C	✓			
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?	~~✓~~	✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?	~~✓~~	✓		
	Do posts require painting?			✓	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 25.55				
	Installed (as-built) depth of well (ft): 24.0'				

Comments: WELL WIZARD INSTALLED

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



AOC9MW-14

AOC9MW-15

Well ID: ~~AOC9-MW15~~

Site ID: SS062

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Livermore

Inspection Date: 11.1.16

Project Name: Well Inventory - 2016

6

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, ~~Stainless Steel~~)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			✓	
	Is the concrete pad cracked or deteriorated?			✓	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 14.1' 14.10				
	Installed (as-built) depth of well (ft): 14.1'				

Comments: Well wizard patient – not functioning, pulled for sampling.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



AOC9MW-15

AOC9MW-17

Well ID: ~~AOC9-MW17~~

Site ID: SS062

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Lieberman

Inspection Date: 11.1.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo # 5
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, ~~Stainless Steel~~)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			✓	
	Is the concrete pad cracked or deteriorated?			✓	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 16.00				
	Installed (as-built) depth of well (ft): 14.0'				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



AOC9MW-17

AOC9MW-18

Well ID: ~~AOC9-MW18~~

Site ID: 55062

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.1.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 21.10				
	Installed (as-built) depth of well (ft): 20.5				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



AOC9MW-18

AOC9MW-19

Well ID: ~~AOC9-MW19~~

Site ID: 88062

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11-1-16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			9
	Lock Present?			—	
	Protective Casing?			—	
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?			—	
	Riser Size / Material (PVC, Stainless Steel)			—	
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		✓		
	Does vault leak?	✓			
	Is water in the vault?	✓			
	Are all bolts present?	✓			
	Are bolt threads stripped?		✓		
Well Security	Is the cap lockable?	✓			
	Is the lock present?	✓			
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 21.78				
	Installed (as-built) depth of well (ft): 18.7'				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



AOC9MW-19

G009-MW01

Well ID: G009-MW01
Site ID: SS062

bhate ENVIRONMENT INFRASTRUCTURE

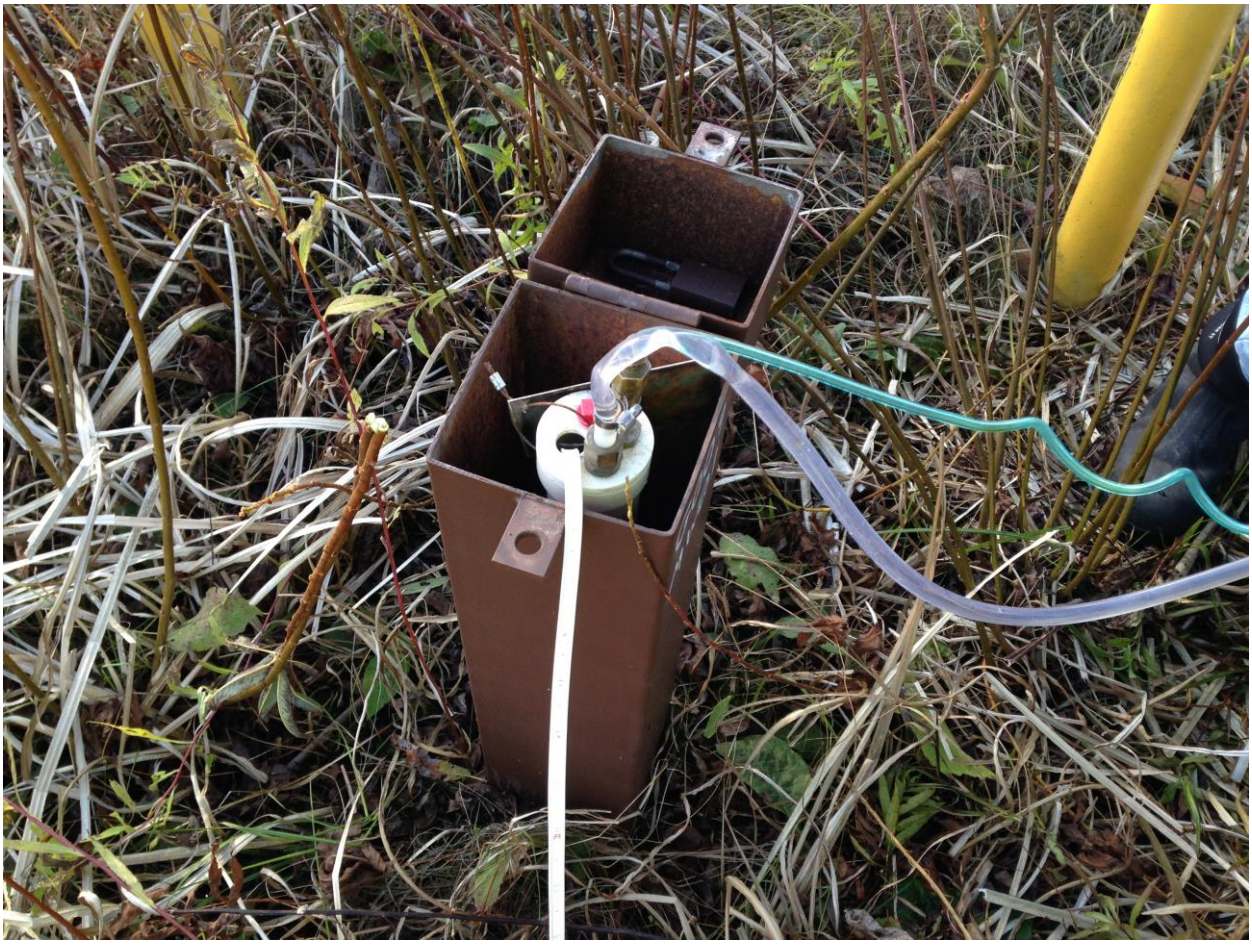
Name of Inspector: S. Liberatore
Inspection Date: _____

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo # 3
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, ~~Stainless Steel~~)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?	~~✓~~	✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			✓	
	Is the concrete pad cracked or deteriorated?			✓	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		~~✓~~	✓	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): ~~—~~ 11.40				
	Installed (as-built) depth of well (ft): ~~11.36~~ 9.0				

Comments: Well Under Pump Present, Did Not Probe Bottom

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



G009-MW01

Well ID: GOO9-MW02
Site ID: SS062

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE
Inspection Date: 11.1.16

Project Name: Well Inventory - 2016

7

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, ~~Stainless Steel~~)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			✓	
	Is the concrete pad cracked or deteriorated?			✓	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?			—	
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): — 10.22				
	Installed (as-built) depth of well (ft): ~~10.5'~~ 9.0				

Comments: WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



G009-MW02

789MW-102

Well ID: 789MW-103 102

Site ID: SS007

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.2.16

Project Name: Well Inventory - 2016

11/2 #7

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			—	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			—	
	Is the concrete pad cracked or deteriorated?			—	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 15.0' 15.00				
	Installed (as-built) depth of well (ft): 15.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-102

789MW-103

Well ID: 789MW-103
Site ID: 55067

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: BLAKE TOLE
Inspection Date: 1/6/17

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?	✓			
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point:				
	Measured depth of well (ft): 16.50 16.50				
	Installed (as-built) depth of well (ft): 15.0				

WELL WIZARD INSTALLED.

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.

789MW-134

Well ID: 789MW-134

Site ID: SS067

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.2.16

Project Name: Well Inventory - 2016

11/2 #3

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?		✓		
	Riser Size / Material (PVC, Stainless Steel)			—	
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		✓		
	Does vault leak?		✓		
	Is water in the vault?		✓		
	Are all bolts present?		✓		
	Are bolt threads stripped?			—	
Well Security	Is the cap lockable?		✓		
	Is the lock present?		✓		
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			—	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 32.9' 32.90				
	Installed (as-built) depth of well (ft): 33.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-134

789MW-135

Well ID: 789MW-135
Site ID: SS067

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S Liberatore
Inspection Date: 11.2.16

Project Name: Well Inventory - 2016

11/2 #2

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?		✓		
	Riser Size / Material (PVC, Stainless Steel)			—	
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?			—	
	Are the hasps welded or secured firmly to the cap?		✓		
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?		✓		
	Does vault leak?	✓			
	Is water in the vault?		✓		
	Are all bolts present?		✓		
	Are bolt threads stripped?			—	
Well Security	Is the cap lockable?		✓		
	Is the lock present?			—	
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			—	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?				
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 33.0' 33.00				
	Installed (as-built) depth of well (ft): 33.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-135

Well ID: 789MW-214
Site ID: 55067

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE
Inspection Date: 11.2.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			—	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			—	
	Is the concrete pad cracked or deteriorated?			—	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?			—	
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 28.0' 28.00				
	Installed (as-built) depth of well (ft): 28.0'				

11/2 #5

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-214

789MW-215

Well ID: 789MW-215

Site ID: 55067

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S Liberatore

Inspection Date: 11.2.16

Project Name: Well Inventory - 2016

11/2 #4

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, ~~Stainless Steel~~)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			–	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			–	
	Do posts require painting?			–	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?	✓	✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 30.0' 30.00				
	Installed (as-built) depth of well (ft): 30.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-215

Well ID: 789MW-216
Site ID: SS007

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Lizemore
Inspection Date: 11.2.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?		✓		
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			—	
	Is the concrete pad cracked or deteriorated?			—	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?	✓			
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 28.7' 28.70				
	Installed (as-built) depth of well (ft): 29.0'				

IW2 #6

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-216

789MW-222

Well ID: 789MW-222

Site ID: 55067

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Lisenbee

Inspection Date: 11.3.16

Project Name: Well Inventory - 2016

11/3 #3

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?	✓			
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			–	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			–	
	Do posts require painting?			–	
Concrete Well Pad	Is a concrete pad installed?		✓		
	Does pad slope away from well?			–	
	Is the concrete pad cracked or deteriorated?			–	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 28.0' 28.00				
	Installed (as-built) depth of well (ft): 28.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-222

789MW-46R

Well ID: 789MW-46R

Site ID: SS067

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE

Inspection Date: 11.3.16

Project Name: Well Inventory - 2016

11/3 #4

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?	✓			
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?	✓			
	Is the label, tag, or plate legible?	✓			
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 29.0' 29.00				
	Installed (as-built) depth of well (ft): 29.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.

789MW-83

Well ID: 789MW-83

Site ID: 55007

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. Lineweaver

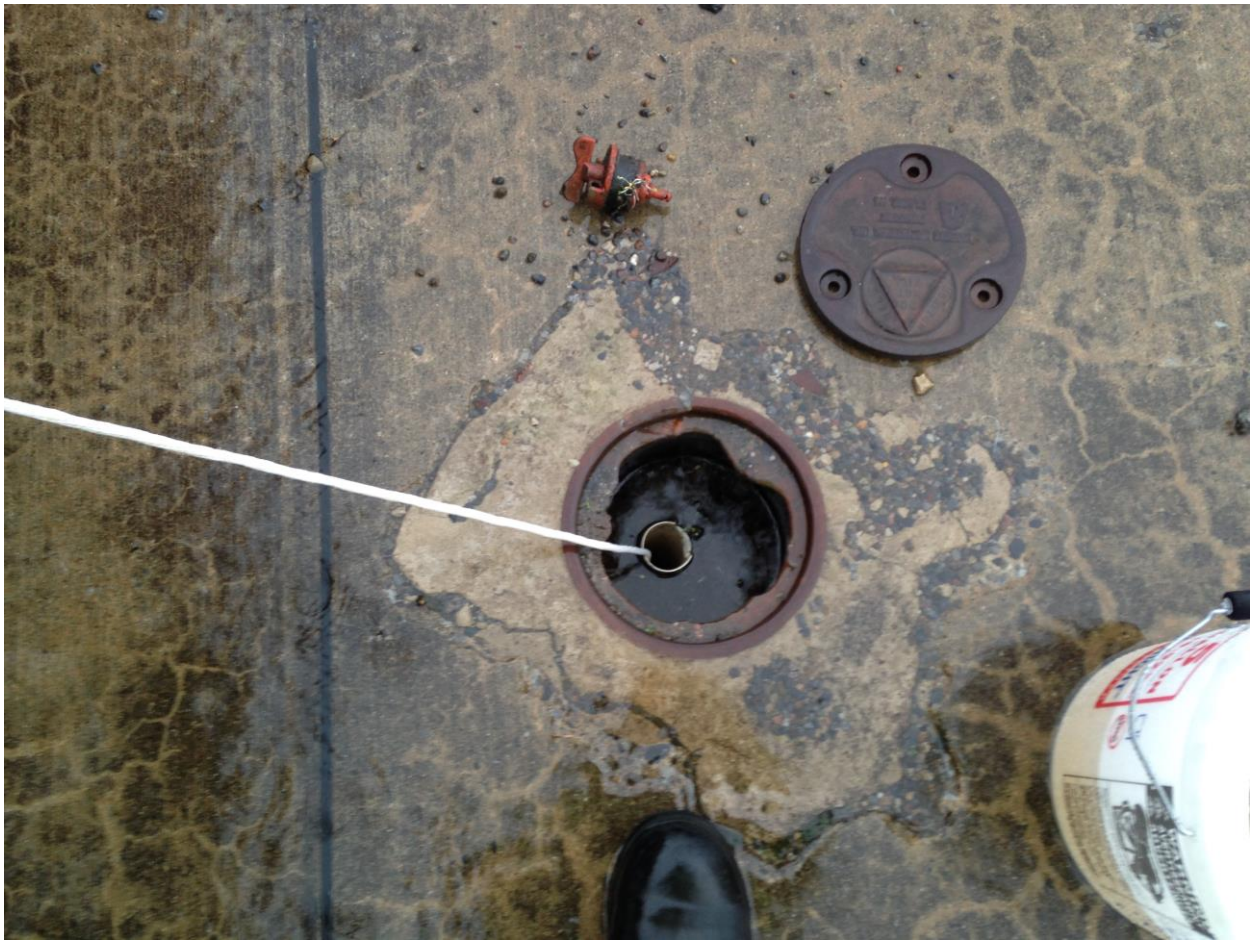
Inspection Date: 11.3.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?		✓		
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?		✓		
	Visible Well Riser?			—	
	Riser Size / Material (PVC, Stainless Steel)			—	
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?	✓			
	Does vault leak?		✓		
	Is water in the vault?		✓		
	Are all bolts present?		✓		
	Are bolt threads stripped?			—	
Well Security	Is the cap lockable?		✓		
	Is the lock present?			—	
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			—	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?		✓		
	Are protective posts damaged?			—	
	Do posts require painting?			—	
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?		✓		
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?				
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 30.8' 30.80				
	Installed (as-built) depth of well (ft): 34.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-83

Well ID: 789MW-98
Site ID: 55067

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE
Inspection Date: 11.2.16

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?	✓			
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?		✓		
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			—	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?		✓		
	Do posts require painting?	✓	N/A		
Concrete Well Pad	Is a concrete pad installed?	✓			
	Does pad slope away from well?	✓			
	Is the concrete pad cracked or deteriorated?		✓		
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 19.9' 19.90				
	Installed (as-built) depth of well (ft): 20.0'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-98

789MW-99

Well ID: 789MW-99
Site ID: 55067

bhate ENVIRONMENT INFRASTRUCTURE

Name of Inspector: S. LIBERATORE
Inspection Date: 11.3.16

LV3 #5

Project Name: Well Inventory - 2016

Monitoring Point Physical Condition		Yes	No	NA	Photo #
Monitoring Point Physical Condition	ID Marked?		✓		
	Lock Present?	✓			
	Protective Casing?	✓			
	Concrete Pad?		✓		
	Riser Cap?	✓			
	Visible Well Riser?	✓			
	Riser Size / Material (PVC, Stainless Steel)				
	Measuring Point Marked?	✓			
Measuring Point (circle one):	Below Top of Riser / Below Top of Pro-Casing				
	Is the lockable cap vented?	✓			
	Is the lock present?		✓		
	Are the hasps welded or secured firmly to the cap?	✓			
Complete for Flushmounted Wells Only		Yes	No	NA	Photo #
Well Cover	Does the rubber gasket need to be replaced?				
	Does vault leak?				
	Is water in the vault?				
	Are all bolts present?				
	Are bolt threads stripped?				
Well Security	Is the cap lockable?				
	Is the lock present?				
Complete for All Wells		Yes	No	NA	Photo #
Well Identification	Is the well identified anywhere on the well or pad?		✓		
	Is the label, tag, or plate legible?			—	
Biological Hazards	Are there biological hazards on the ground near well pad?		✓		
	Are there biological hazards present in well vault?		✓		
Protective bollards	Are protective posts installed?	✓			
	Are protective posts damaged?	✓			
	Do posts require painting?		✓		
Concrete Well Pad	Is a concrete pad installed?	X	✓		
	Does pad slope away from well?			—	
	Is the concrete pad cracked or deteriorated?			—	
	Is the pad covered by gravel, soil, or debris?	✓			
	Is the pad below surrounding grade?		✓		
	Is there erosion or void space under pad?		✓		
Down Hole Conditions	Is there any down hole sampling equipment present?		✓		
	Are there any obstructions in the well?		✓		
	Is the well plumb and aligned?	✓			
	Is the bottom of the well soft?		✓		
	Does measuring point need to be resurveyed?		✓		
	Is measuring point clearly marked?	✓			
	Specify location of measuring point: TOC				
	Measured depth of well (ft): 24.5' 24.50				
	Installed (as-built) depth of well (ft): 24.5'				

Comments:

Annotations for clarification and corrections to this field form in red type were made on 2/24/2017 by Dustin McNeil, Geologist, Bhate Environmental Associates, Inc.



789MW-99