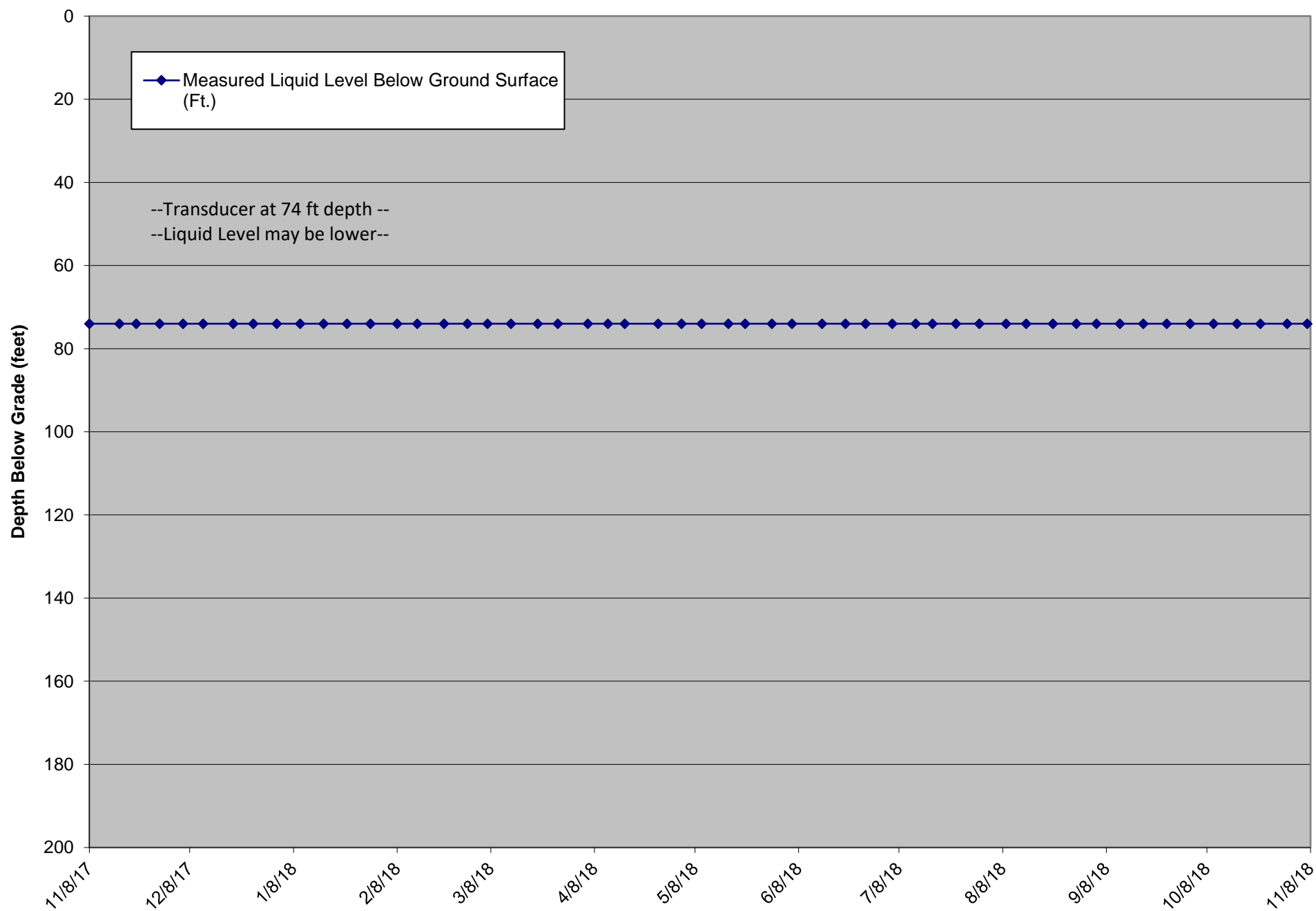


# LCS-4B Liquid Level Below Ground Surface

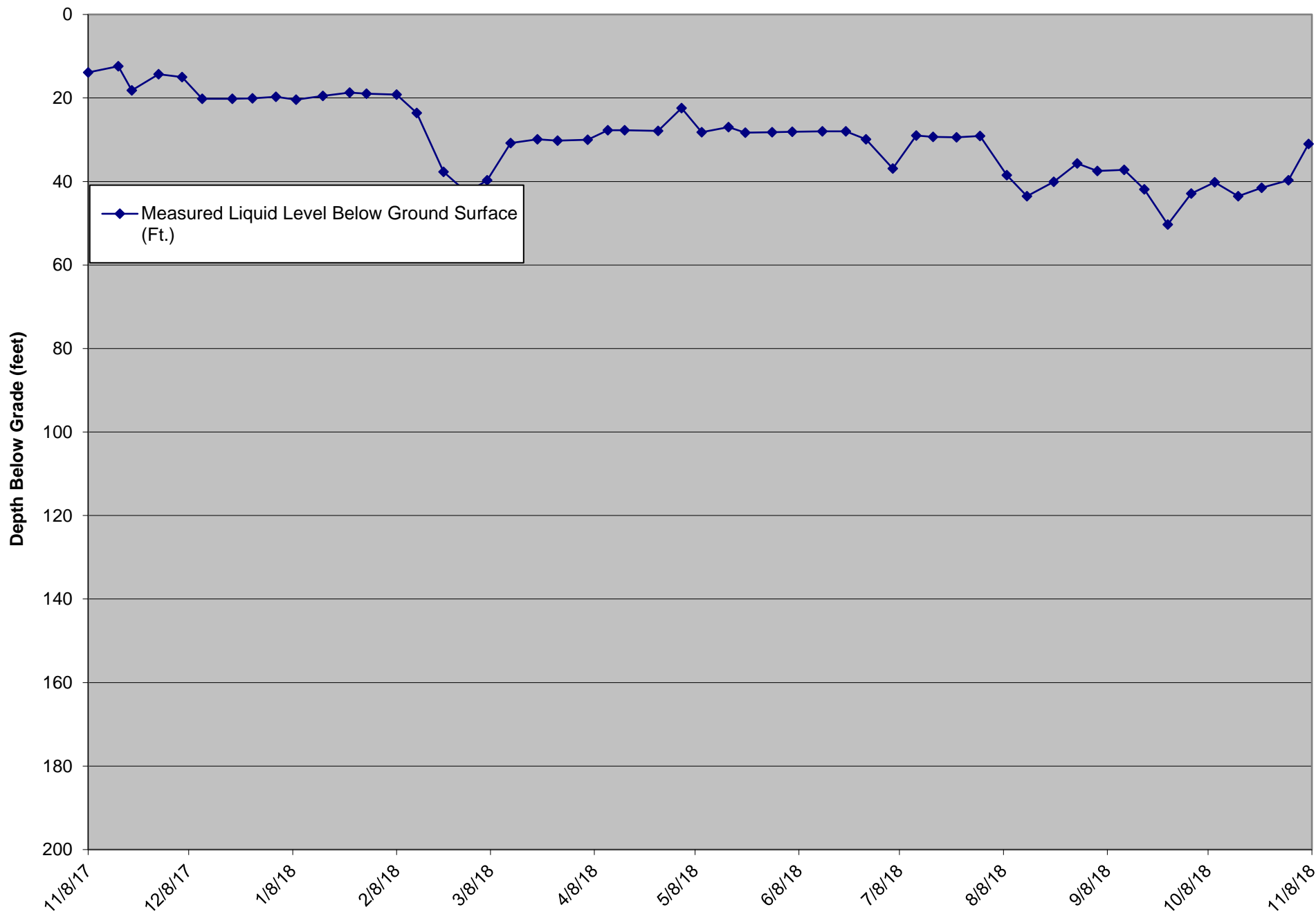






LCS Number	Date Reading Collected	Measured Liquid Level Below Ground Surface (Ft.)	Transducer Depth from Top of Casing (Ft.)	Well Total Depth from Top of Casing (Ft.) (Ft. MSL)	Elevation of Leachate (Ft. MSL)	Pump on during measurement? (Y/N)	Liquid level meter used	Comments
LCS-3D	11/8/17	13.9	N/A	140		Y	Heron Dipper T	Pumps operational; liquid level measured manually
LCS-3D	11/17/17	12.4	N/A	140		Y	Heron Dipper T	Pumps operational; liquid level measured manually
LCS-3D	11/21/17	18.2	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	11/29/17	14.3	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	12/6/17	15.0	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	12/12/17	20.2	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	12/21/17	20.2	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	12/27/17	20.1	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	1/3/18	19.7	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	1/9/18	20.4	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	1/17/18	19.5	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	1/25/18	18.7	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	1/30/18	19.0	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	2/8/18	19.2	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	2/14/18	23.6	N/A	140		N	Heron Dipper T	Pumps non-operational. Well will be extended and new line sets will be installed as part of east fill project. Liquid level measured manually.
LCS-3D	2/22/18	37.7	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	3/1/18	42.7	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	3/7/18	39.7	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	3/14/18	30.8	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	3/22/18	29.9	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	3/28/18	30.2	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	4/6/18	30.0	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	4/12/18	27.7	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	4/17/18	27.7	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	4/27/18	27.9	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	5/4/18	22.4	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	5/10/18	28.2	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	5/18/18	27.0	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	5/23/18	28.3	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	5/31/18	28.2	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	6/6/18	28.1	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	6/15/18	28.0	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	6/22/18	28.0	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	6/28/18	29.9	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	7/6/18	36.9	N/A	140		Y	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	7/13/18	29.0	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	7/18/18	29.3	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	7/25/18	29.4	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	8/1/18	29.1	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	8/9/18	38.5	N/A	140		Y	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	8/15/18	43.5	N/A	140		Y	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	8/23/18	40.1	N/A	140		Y	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	8/30/18	35.7	N/A	140		Y	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	9/5/18	37.5	N/A	140		Y	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	9/13/18	37.2	N/A	140		Y	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	9/19/18	41.9	N/A	140		Y	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	9/26/18	50.3	N/A	140		Y	Heron Dipper T	Pump non-operational; liquid level measured manually
LCS-3D	10/3/18	42.9	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	10/10/18	40.2	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	10/17/18	43.5	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	10/24/18	41.5	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	11/1/18	39.7	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	11/7/18	31.0	N/A	140		N	Heron Dipper T	Pump non-operational; liquid level measured manually

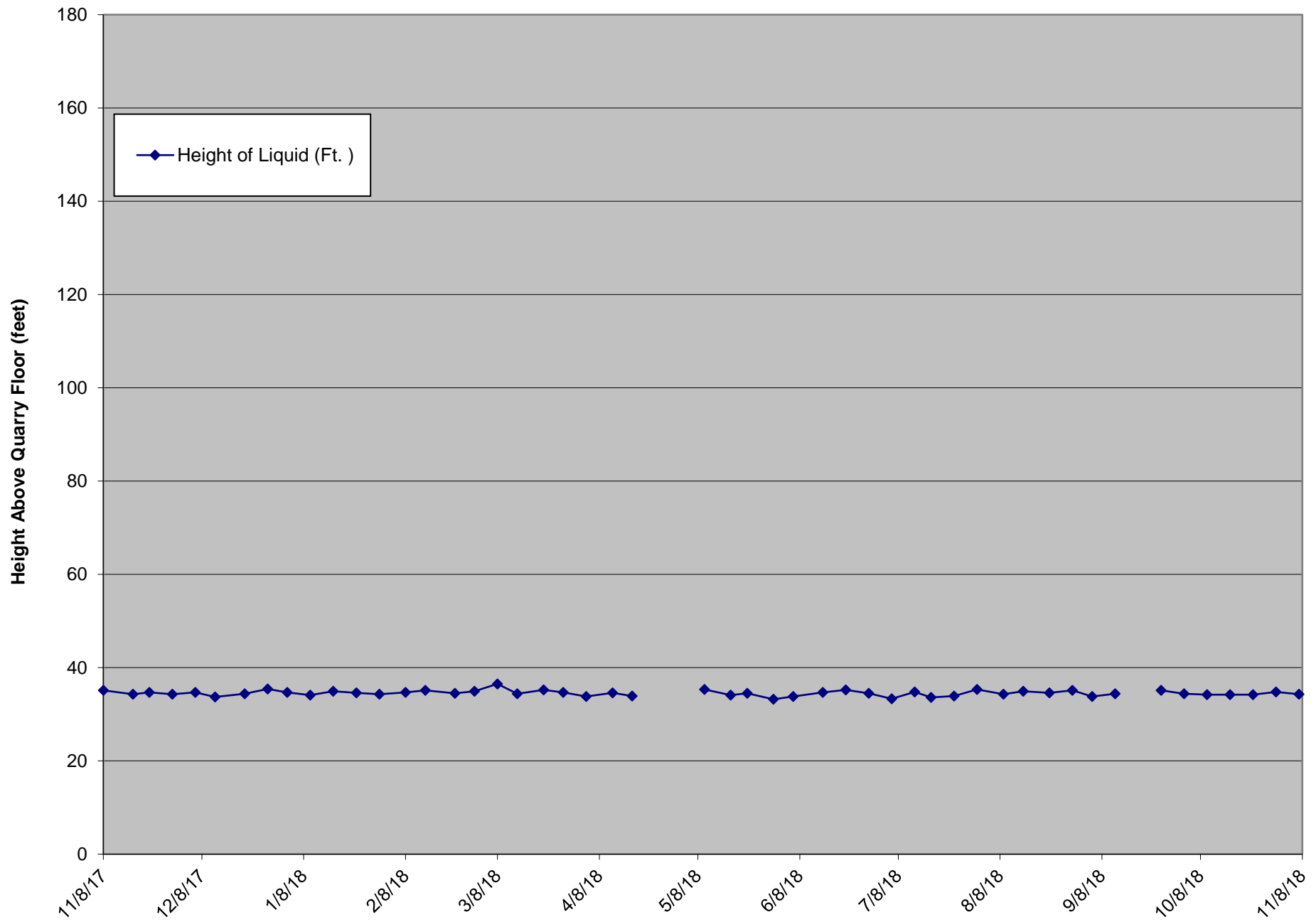
LCS-3D Liquid Level Below Ground Surface





LCS Number	Date Reading Collected	Measured Liquid Level Above Transducer (Ft.)	Transducer Height above Floor of Quarry (Ft.)	Base of Sump Elevation (Ft. MSL)	Height of Liquid (Ft. )	Elevation of Leachate (Ft. MSL)	Pump on during measurement? (Y/N)	Liquid level meter used	Comments
LCS- 5B	11/8/17	13.2	21.9	235.3	35.1	270.40	Y	Dedicated Transducer	
LCS- 5B	11/17/17	12.4	21.9	235.3	34.3	269.60	Y	Dedicated Transducer	
LCS- 5B	11/22/17	12.8	21.9	235.3	34.7	270.00	Y	Dedicated Transducer	
LCS- 5B	11/29/17	12.4	21.9	235.3	34.3	269.60	Y	Dedicated Transducer	
LCS- 5B	12/6/17	12.8	21.9	235.3	34.7	270.00	Y	Dedicated Transducer	
LCS- 5B	12/12/17	11.8	21.9	235.3	33.7	269.00	Y	Dedicated Transducer	
LCS- 5B	12/21/17	12.5	21.9	235.3	34.4	269.70	Y	Dedicated Transducer	
LCS- 5B	12/28/17	13.5	21.9	235.3	35.4	270.70	Y	Dedicated Transducer	
LCS- 5B	1/3/18	12.8	21.9	235.3	34.7	270.00	Y	Dedicated Transducer	
LCS- 5B	1/10/18	12.2	21.9	235.3	34.1	269.40	Y	Dedicated Transducer	
LCS- 5B	1/17/18	13.0	21.9	235.3	34.9	270.20	Y	Dedicated Transducer	
LCS- 5B	1/24/18	12.7	21.9	235.3	34.6	269.90	Y	Dedicated Transducer	
LCS- 5B	1/31/18	12.4	21.9	235.3	34.3	269.60	Y	Dedicated Transducer	
LCS- 5B	2/8/18	12.8	21.9	235.3	34.7	270.00	Y	Dedicated Transducer	
LCS- 5B	2/14/18	13.2	21.9	235.3	35.1	270.40	Y	Dedicated Transducer	
LCS- 5B	2/23/18	12.6	21.9	235.3	34.5	269.80	Y	Dedicated Transducer	
LCS- 5B	3/1/18	13.0	21.9	235.3	34.9	270.20	Y	Dedicated Transducer	
LCS- 5B	3/8/18	14.6	21.9	235.3	36.5	271.80	Y	Dedicated Transducer	
LCS- 5B	3/14/18	12.5	21.9	235.3	34.4	269.70	Y	Dedicated Transducer	
LCS- 5B	3/22/18	13.3	21.9	235.3	35.2	270.50	Y	Dedicated Transducer	
LCS- 5B	3/28/18	12.8	21.9	235.3	34.7	270.00	Y	Dedicated Transducer	
LCS- 5B	4/4/18	11.9	21.9	235.3	33.8	269.10	Y	Dedicated Transducer	
LCS- 5B	4/12/18	12.7	21.9	235.3	34.6	269.90	Y	Dedicated Transducer	
LCS- 5B	4/18/18	12.0	21.9	235.3	33.9	269.20	Y	Dedicated Transducer	
LCS- 5B	4/27/18		21.9	235.3			N	Dedicated Transducer	Pump non-operational on 4/25/18. Pump repair is scheduled for the week of 4/30/18 pending suitable weather conditions.
LCS- 5B	5/4/18		21.9	235.3			N	Dedicated Transducer	Pump non-operational on 4/25/18. Pump repair is scheduled for the week of 5/7/18 pending suitable weather conditions.
LCS- 5B	5/10/18	13.4	21.9	235.3	35.3	270.60	N	Dedicated Transducer	Pump, motor, and transducer were replaced on 5/7/18. Pump became fully operational on 5/7/18.
LCS- 5B	5/18/18	12.2	21.9	235.3	34.1	269.40	Y	Dedicated Transducer	
LCS- 5B	5/23/18	12.6	21.9	235.3	34.5	269.80	Y	Dedicated Transducer	
LCS- 5B	5/31/18	11.3	21.9	235.3	33.2	268.50	Y	Dedicated Transducer	
LCS- 5B	6/6/18	11.9	21.9	235.3	33.8	269.10	Y	Dedicated Transducer	
LCS- 5B	6/15/18	12.8	21.9	235.3	34.7	270.00	Y	Dedicated Transducer	
LCS- 5B	6/22/18	13.3	21.9	235.3	35.2	270.50	Y	Dedicated Transducer	
LCS- 5B	6/29/18	12.6	21.9	235.3	34.5	269.80	Y	Dedicated Transducer	
LCS- 5B	7/6/18	11.4	21.9	235.3	33.3	268.60	Y	Dedicated Transducer	
LCS- 5B	7/13/18	12.9	21.9	235.3	34.8	270.10	Y	Dedicated Transducer	
LCS- 5B	7/18/18	11.7	21.9	235.3	33.6	268.90	Y	Dedicated Transducer	
LCS- 5B	7/25/18	12.0	21.9	235.3	33.9	269.20	Y	Dedicated Transducer	
LCS- 5B	8/1/18	13.4	21.9	235.3	35.3	270.60	Y	Dedicated Transducer	
LCS- 5B	8/9/18	12.4	21.9	235.3	34.3	269.60	Y	Dedicated Transducer	
LCS- 5B	8/15/18	13.0	21.9	235.3	34.9	270.20	Y	Dedicated Transducer	
LCS- 5B	8/23/18	12.7	21.9	235.3	34.6	269.90	Y	Dedicated Transducer	
LCS- 5B	8/30/18	13.2	21.9	235.3	35.1	270.40	Y	Dedicated Transducer	
LCS- 5B	9/5/18	11.9	21.9	235.3	33.8	269.10	Y	Dedicated Transducer	
LCS- 5B	9/12/18	12.5	21.9	235.3	34.4	269.70	Y	Dedicated Transducer	Pump was observed to be non-operational on 9/12/18 after recording the liquid level above the transducer. Pump replacement is tentatively scheduled for the week of 9/24/18.
LCS- 5B	9/19/18		21.9	235.3			N	Dedicated Transducer	Pump was observed to be non-operational on 9/12/18. Pump replacement is scheduled on 9/25/18.
LCS- 5B	9/26/18	13.2	21.9	235.3	35.1	270.40	Y	Dedicated Transducer	Pump was replaced on 9/26/18
LCS- 5B	10/3/18	12.5	21.9	235.3	34.4	269.70	Y	Dedicated Transducer	Pump was replaced on 9/26/18
LCS- 5B	10/10/18	12.3	21.9	235.3	34.2	269.50	Y	Dedicated Transducer	Pump was replaced on 9/26/18
LCS- 5B	10/17/18	12.3	21.9	235.3	34.2	269.50	Y	Dedicated Transducer	
LCS- 5B	10/24/18	12.3	21.9	235.3	34.2	269.50	Y	Dedicated Transducer	
LCS- 5B	10/31/18	12.9	21.9	235.3	34.8	270.10	Y	Dedicated Transducer	
LCS- 5B	11/7/18	12.4	21.9	235.3	34.3	269.60	Y	Dedicated Transducer	

LCS-5B Liquid Level Above Quarry Floor





LCS Number	Date Reading Collected	Measured Liquid Level Above Transducer (Ft.)	Transducer Height above Floor of Quarry (Ft.)	Base of Sump Elevation (Ft. MSL)	Height of Liquid (Ft.)	Elevation of Leachate (Ft. MSL)	Pump on during measurement? (Y/N)	Liquid level meter used	Comments
LCS- 6B	11/8/17	9.8	9.4	429.52	19.2	448.72	Y	Dedicated Transducer	
LCS- 6B	11/17/17	9.7	9.4	429.52	19.1	448.62	Y	Dedicated Transducer	
LCS- 6B	11/22/17	10.0	9.4	429.52	19.4	448.92	Y	Dedicated Transducer	
LCS- 6B	11/29/17	9.0	9.4	429.52	18.4	447.92	Y	Dedicated Transducer	
LCS- 6B	12/6/17	8.5	9.4	429.52	17.9	447.42	Y	Dedicated Transducer	
LCS- 6B	12/12/17	9.8	9.4	429.52	19.2	448.72	Y	Dedicated Transducer	
LCS- 6B	12/21/17	9.0	9.4	429.52	18.4	447.92	Y	Dedicated Transducer	
LCS- 6B	12/27/17	11.4	9.4	429.52	20.8	450.32	Y	Dedicated Transducer	
LCS- 6B	1/3/18	11.0	9.4	429.52	20.4	449.92	Y	Dedicated Transducer	
LCS- 6B	1/10/18	8.6	9.4	429.52	18.0	447.52	Y	Dedicated Transducer	
LCS- 6B	1/17/18	12.2	9.4	429.52	21.6	451.12	Y	Dedicated Transducer	
LCS- 6B	1/24/18	9.0	9.4	429.52	18.4	447.92	Y	Dedicated Transducer	
LCS- 6B	1/31/18	8.0	9.4	429.52	17.4	446.92	Y	Dedicated Transducer	
LCS- 6B	2/8/18	9.2	9.4	429.52	18.6	448.12	Y	Dedicated Transducer	
LCS- 6B	2/14/18	8.5	9.4	429.52	17.9	447.42	Y	Dedicated Transducer	
LCS- 6B	2/22/18	8.1	9.4	429.52	17.5	447.02	Y	Dedicated Transducer	
LCS- 6B	3/1/18	7.5	9.4	429.52	16.9	446.42	Y	Dedicated Transducer	
LCS- 6B	3/7/18	9.1	9.4	429.52	18.5	448.02	Y	Dedicated Transducer	Pump was observed to be non-operational on 3/9/18. Leachate level still in compliance with pump non-operational. Pump replacement pending parts arrival.
LCS- 6B	3/14/18	13.2	9.4	429.52	22.6	452.12	N	Dedicated Transducer	Pump was observed to be non-operational on 3/9/18. Leachate level still in compliance with pump non-operational. Pump replacement pending parts arrival.
LCS- 6B	3/22/18	14.2	9.4	429.52	23.6	453.12	N	Dedicated Transducer	Pump was observed to be non-operational on 3/9/18. Leachate level still in compliance with pump non-operational. Pump replacement pending parts arrival.
LCS- 6B	3/28/18	14.7	9.4	429.52	24.1	453.62	N	Dedicated Transducer	Pump was observed to be non-operational on 3/9/18. Leachate level still in compliance with pump non-operational. Pump replacement scheduled for the week of 4/9/18.
LCS- 6B	4/6/18	10.0	9.4	429.52	19.4	448.92	N	Dedicated Transducer	Pump was observed to be non-operational on 3/9/18. Leachate level was still in compliance with pump non-operational. Pump replacement was completed on 4/6/18.
LCS- 6B	4/12/18	7.8	9.4	429.52	17.2	446.72	Y	Dedicated Transducer	
LCS- 6B	4/17/18	8.2	9.4	429.52	17.6	447.12	Y	Dedicated Transducer	
LCS- 6B	4/27/18	9.5	9.4	429.52	18.9	448.42	Y	Dedicated Transducer	
LCS- 6B	5/4/18	8.0	9.4	429.52	17.4	446.92	Y	Dedicated Transducer	
LCS- 6B	5/10/18	8.5	9.4	429.52	17.9	447.42	Y	Dedicated Transducer	
LCS- 6B	5/18/18	9.6	9.4	429.52	19.0	448.52	Y	Dedicated Transducer	
LCS- 6B	5/23/18	8.1	9.4	429.52	17.5	447.02	Y	Dedicated Transducer	
LCS- 6B	5/31/18	9.0	9.4	429.52	18.4	447.92	Y	Dedicated Transducer	
LCS- 6B	6/6/18	10.0	9.4	429.52	19.4	448.92	Y	Dedicated Transducer	
LCS- 6B	6/12/18	8.3	9.4	429.52	17.7	447.22	Y	Dedicated Transducer	
LCS- 6B	6/22/18	9.5	9.4	429.52	18.9	448.42	Y	Dedicated Transducer	
LCS- 6B	6/29/18	10.8	9.4	429.52	20.2	449.72	Y	Dedicated Transducer	
LCS- 6B	7/6/18	9.3	9.4	429.52	18.7	448.22	Y	Dedicated Transducer	
LCS- 6B	7/13/18	8.2	9.4	429.52	17.6	447.12	Y	Dedicated Transducer	
LCS- 6B	7/18/18	9.8	9.4	429.52	19.2	448.72	Y	Dedicated Transducer	
LCS- 6B	7/25/18	9.4	9.4	429.52	18.8	448.32	Y	Dedicated Transducer	
LCS- 6B	8/1/18	8.8	9.4	429.52	18.2	447.72	Y	Dedicated Transducer	
LCS- 6B	8/9/18	9.2	9.4	429.52	18.6	448.12	Y	Dedicated Transducer	
LCS- 6B	8/15/18	9.7	9.4	429.52	19.1	448.62	Y	Dedicated Transducer	
LCS- 6B	8/23/18	9.6	9.4	429.52	19.0	448.52	Y	Dedicated Transducer	
LCS- 6B	8/30/18	9.0	9.4	429.52	18.4	447.92	Y	Dedicated Transducer	
LCS- 6B	9/5/18	11.0	9.4	429.52	20.4	449.92	Y	Dedicated Transducer	The motor failed in the pump
LCS- 6B	9/12/18	13.8	9.4	429.52	23.2	452.72	N	Dedicated Transducer	Pump motor was observed to be non-operational on 9/5/18 after recording the liquid level above the transducer. Leachate level in still in compliance with the pump non-operational. Pump motor replacement is tentatively scheduled for the week of 9/24/18.
LCS- 6B	9/19/18	14.3	9.4	429.52	23.7	453.22	N	Dedicated Transducer	Pump motor was observed to be non-operational on 9/5/18 after recording the liquid level above the transducer. Leachate level in still in compliance with the pump non-operational. Pump motor replacement is tentatively scheduled for the week of 10/1/18.
LCS- 6B	9/26/18	14.5	9.4	429.52	23.9	453.42	N	Dedicated Transducer	Pump motor was observed to be non-operational on 9/5/18 after recording the liquid level above the transducer. Leachate level in still in compliance with the pump non-operational. Pump motor replacement is tentatively scheduled for the week of 10/1/18.
LCS- 6B	10/4/18	8.2	9.4	429.52	17.6	447.12	Y	Dedicated Transducer	Pump was replaced on 10/4/18. Pump fully operational.
LCS- 6B	10/10/18	7.7	9.4	429.52	17.1	446.62	Y	Dedicated Transducer	Pump was replaced on 10/4/18. Pump fully operational.
LCS- 6B	10/17/18	8.8	9.4	429.52	18.2	447.72	Y	Dedicated Transducer	
LCS- 6B	10/24/18	8.2	9.4	429.52	17.6	447.12	Y	Dedicated Transducer	
LCS- 6B	11/1/18	7.9	9.4	429.52	17.3	446.82	Y	Dedicated Transducer	
LCS- 6B	11/7/18	8.4	9.4	429.52	17.8	447.32	Y	Dedicated Transducer	

LCS-6B Liquid Level Above Quarry Floor

