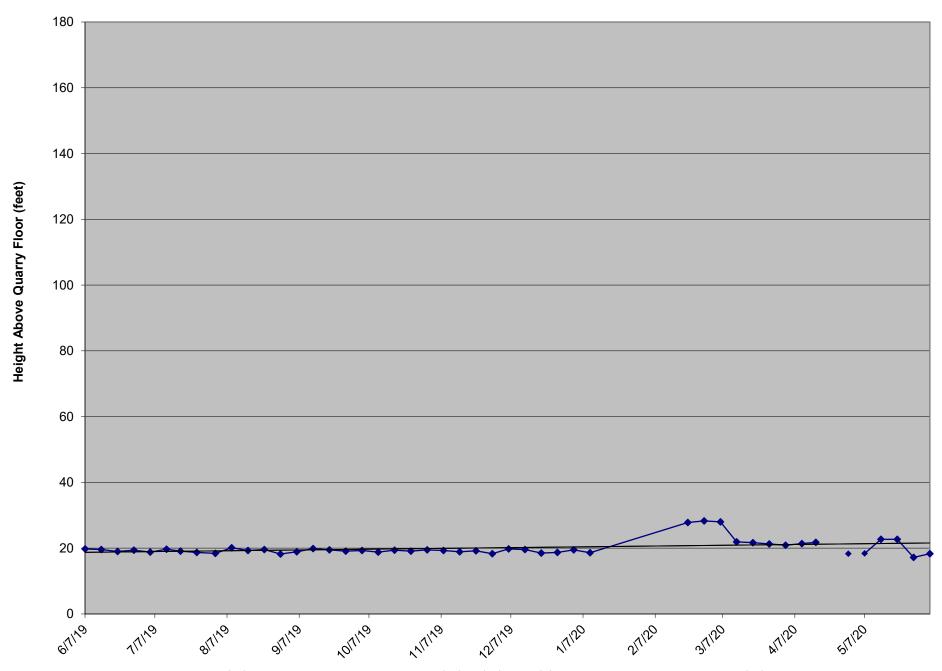
## LCS-6B Liquid Level Above Quarry Floor



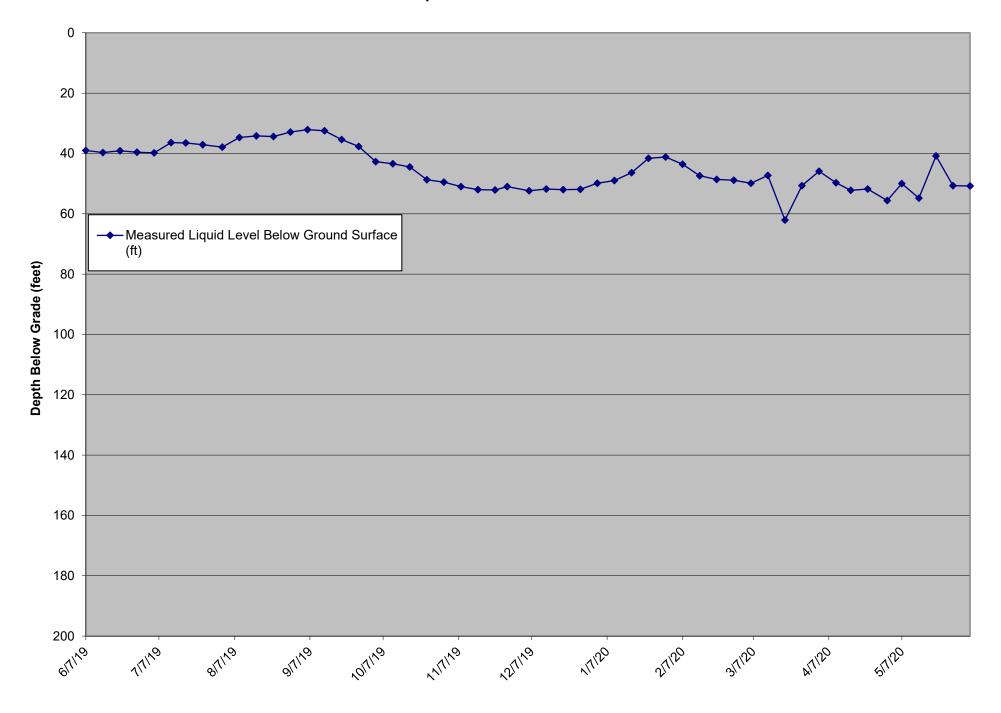
The transducer became non-operational on 1/13/20. Liquid level was measured manually on 2/21/20, 2/28/20 and 3/6/20. The transducer became operational on 3/13/20. The VFD was observed to be non-operational on 4/23/20, it was replaced on 4/23/20, however the level sensor reading was not taken due to VFD communication loss with SCADA.

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	Date	Measured Liquid	Transducer Height	Base of Sump	Elevation of	Pump on during		
	Reading	Level Above	above Floor of	Elevation	Leachate	measurement?		
LCS Number	Collected	Transducer (Ft.)	Quarry (Ft.)	(Ft. MSL)	(Ft. MSL)	(Y/N)	Liquid level meter used	Comments
LCS- 2D	6/7/19	N/A	14.4	235.92	,	N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	6/14/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	6/21/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	6/28/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	7/5/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	7/12/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	7/18/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	7/25/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	8/2/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	8/9/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	8/16/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	8/23/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	8/30/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	9/6/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	9/13/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	9/20/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	9/27/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	10/4/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	10/11/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	10/18/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	10/25/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	11/1/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	11/8/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	11/15/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	11/29/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	12/6/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	12/13/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	12/20/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	12/27/19	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	1/3/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	1/10/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	1/17/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	1/24/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	1/31/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	2/7/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	2/14/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	2/21/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D LCS- 2D	2/28/20 3/6/20	N/A N/A	14.4 14.4	235.92 235.92		N N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D LCS- 2D	3/6/20	N/A N/A	14.4 14.4	235.92		N N	Dedicated Transducer Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D LCS- 2D	3/13/20	N/A N/A	14.4	235.92		N N	Dedicated Transducer  Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D LCS- 2D	3/20/20	N/A N/A	14.4	235.92		N N	Dedicated Transducer  Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	4/3/20	N/A N/A	14.4	235.92		N N	Dedicated Transducer  Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	4/10/20	N/A N/A	14.4	235.92		N N	Dedicated Transducer  Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	4/16/20	N/A	14.4	235.92		N N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	4/10/20	N/A	14.4	235.92		N N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	4/30/20	N/A	14.4	235.92		N	Dedicated Transducer  Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	5/7/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	5/14/20	N/A	14.4	235.92		N N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	5/21/20	N/A	14.4	235.92		N N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	5/28/20	N/A	14.4	235.92		N	Dedicated Transducer  Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
LCS- 2D	6/4/20	N/A	14.4	235.92		N	Dedicated Transducer	PCP Installed to depth of 62' BGS, failed stator, needs replacement
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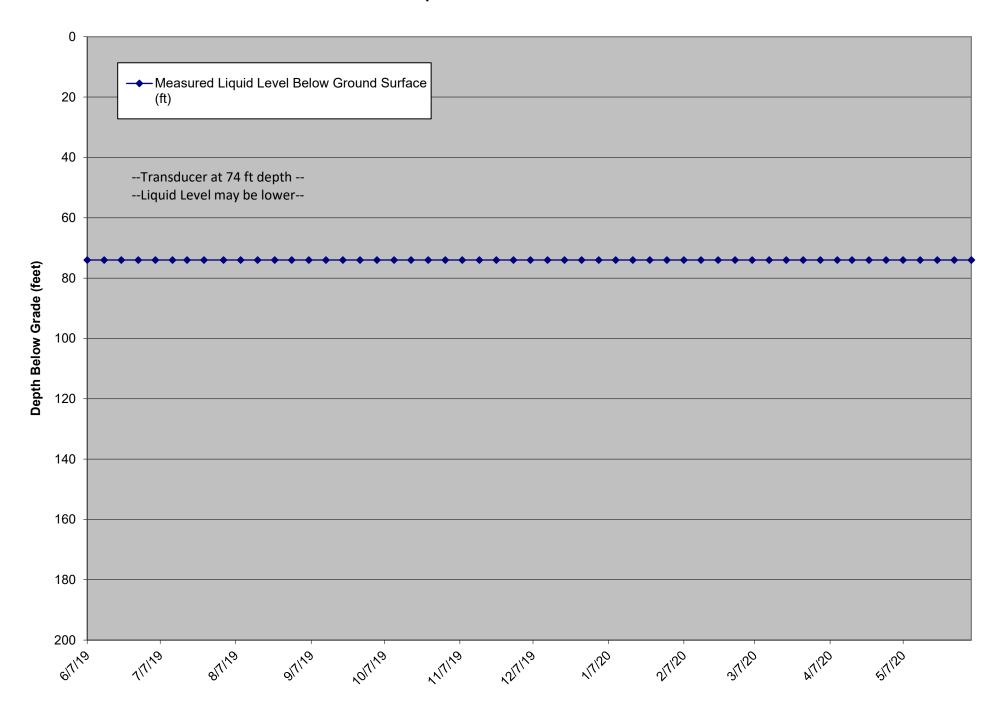
				Well Total Depth				
	Date	Measured Liquid	Transducer Depth	from Top of	Elevation of	Pump on during		
	Reading	Level Below Ground	from Top of Casing	Casing (Ft.)	Leachate	measurement?		
LCS Number	Collected	Surface (ft)	(Ft.)	(Ft. MSL)	(Ft. MSL)	(Y/N)	Liquid level meter used	Comments
LCS-3D	6/7/19	39.0	N/A	140	,	Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	6/14/19	39.7	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	6/21/19	39.1	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	6/28/19	39.6	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	7/5/19	39.8	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	7/12/19	36.4	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	7/18/19	36.5	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	7/25/19	37.1	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	8/2/19	37.9	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	8/9/19	34.7	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	8/16/19	34.2	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	8/23/19	34.4	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	8/30/19	32.9	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	9/6/19	32.1	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	9/13/19	32.5	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	9/20/19	35.4	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	9/27/19	37.7	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	10/4/19	42.7	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	10/11/19	43.4	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	10/18/19	44.5	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	10/25/19	48.7	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	11/1/19	49.5	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	11/8/19	51.0	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	11/15/19	52.0	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	11/22/19	52.1	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	11/27/19	51.0	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	12/6/19	52.4	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	12/13/19	51.8	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	12/20/19	52.0	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	12/27/19	51.9	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	1/3/20	49.9	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	1/10/20	49.0	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	1/17/20	46.4	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	1/24/20	41.6	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	1/31/20	41.2	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	2/7/20	43.6	N/A	140		Υ	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	2/14/20	47.4	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	2/21/20	48.6	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	2/28/20	48.9	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	3/6/20	49.9	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	3/13/20	47.3	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	3/20/20	62.1	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	3/27/20	50.7	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	4/3/20	45.9	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	4/10/20	49.7	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	4/16/20	52.2	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	4/23/20	51.8	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	5/1/20	55.6	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	5/7/20	50.0	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	5/14/20	54.8	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	5/21/20	40.8	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	5/28/20	50.7	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually
LCS-3D	6/4/20	50.8	N/A	140		Y	Heron Dipper T	Pump operational; liquid level measured manually

## LCS-3D Liquid Level Below Ground Surface



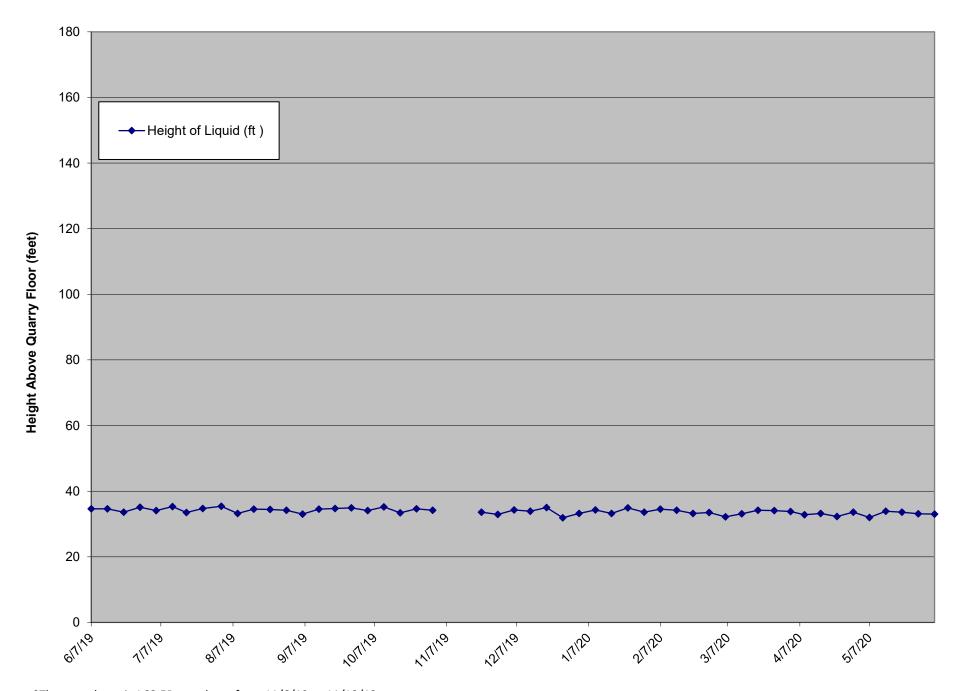
	Date	Measured Liquid	Transducer Depth	Base of Sump	Pump on during		
	Reading	Level Below Ground	from Top of Casing	Elevation	measurement?		
LCS Number	Collected	Surface (ft)	(Ft.)	(Ft. MSL)	(Y/N)	Liquid level meter used	Comments
LCS- 4B	6/7/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	6/14/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	6/21/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	6/28/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	7/5/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	7/12/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	7/18/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	7/25/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	8/2/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	8/9/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	8/16/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	8/23/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	8/30/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	9/6/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	9/13/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	9/20/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	9/27/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	10/4/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	10/11/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	10/18/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	10/25/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	11/1/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	11/8/19	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	11/15/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	11/22/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	11/29/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	12/6/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	12/13/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	12/20/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	12/27/19	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	1/3/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	1/10/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	1/17/20	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	1/24/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	1/31/20	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	2/7/20	74.0	81.0	244.00	Υ	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	2/14/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	2/21/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	2/28/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	3/6/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	3/13/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	3/20/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	3/27/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	4/3/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	4/10/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	4/16/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	4/23/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	4/30/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	5/7/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	5/14/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	5/21/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	5/28/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS
LCS- 4B	6/4/20	74.0	81.0	244.00	Y	Dedicated Transducer	Pump operational, no flow detected, liquid level >74.0' BGS

## LCS-4B Liquid Level Below Ground Surface



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	Date	Measured Liquid	Transducer Height	Base of Sump		Elevation of	Pump on during		
LCS Number	Reading Collected	Level Above Transducer (Ft.)	above Floor of	Elevation (Ft. MSL)	Height of Liquid (ft )	Leachate (Ft. MSL)	measurement? (Y/N)	Liquid level meter used	Comments
LCS Number	6/7/19	12.7	Quarry (Ft.) 21.9	(Ft. MSL) 235.3	34.6	269.90	(Y/N) Y	Dedicated Transducer	Comments
LCS- 5B	6/14/19	12.7	21.9	235.3	34.6	269.90	Y	Dedicated Transducer  Dedicated Transducer	
LCS- 5B	6/21/19	11.7	21.9	235.3	33.6	268.90	Ý	Dedicated Transducer	
LCS- 5B	6/28/19	13.2	21.9	235.3	35.1	270.40	Ϋ́	Dedicated Transducer	
LCS- 5B	7/5/19	12.2	21.9	235.3	34.1	269.40	Y	Dedicated Transducer	
LCS- 5B	7/12/19	13.4	21.9	235.3	35.3	270.60	Y	Dedicated Transducer	
LCS- 5B	7/18/19	11.6	21.9	235.3	33.5	268.80	Y	Dedicated Transducer	
LCS- 5B	7/25/19	12.8	21.9	235.3	34.7	270.00	Y	Dedicated Transducer	
LCS- 5B	8/2/19	13.5	21.9	235.3	35.4	270.70	Y	Dedicated Transducer	
LCS- 5B	8/9/19	11.3	21.9	235.3	33.2	268.50	Y	Dedicated Transducer	
LCS- 5B	8/16/19	12.6	21.9	235.3	34.5	269.80	Y	Dedicated Transducer	
LCS- 5B	8/23/19 8/30/19	12.5 12.3	21.9 21.9	235.3 235.3	34.4 34.2	269.70 269.50	Y	Dedicated Transducer	
LCS- 5B LCS- 5B	9/6/19	11.1	21.9	235.3	33.0	268.30	Y	Dedicated Transducer Dedicated Transducer	
LCS- 5B	9/13/19	12.6	21.9	235.3	34.5	269.80	Ϋ́	Dedicated Transducer  Dedicated Transducer	
LCS- 5B	9/20/19	12.8	21.9	235.3	34.7	270.00	Ý	Dedicated Transducer	
LCS- 5B	9/27/19	13.0	21.9	235.3	34.9	270.20	Ϋ́	Dedicated Transducer	
LCS- 5B	10/4/19	12.2	21.9	235.3	34.1	269.40	Y	Dedicated Transducer	
LCS- 5B	10/11/19	13.3	21.9	235.3	35.2	270.50	Y	Dedicated Transducer	
LCS- 5B	10/18/19	11.5	21.9	235.3	33.4	268.70	Y	Dedicated Transducer	
LCS- 5B	10/25/19	12.7	21.9	235.3	34.6	269.90	Y	Dedicated Transducer	
LCS- 5B	11/1/19	12.3	21.9	235.3	34.2	269.50	Y	Dedicated Transducer	
LCS- 5B	11/8/19		21.9	235.3		235.30	N	Dedicated Transducer	The transducer was observed to be non-operational on 11/6/19.  Transducer replacement is scheduled on 11/13/19.
LCS- 5B	11/15/19		21.9	235.3		235.30	N	Dedicated Transducer	The transducer was observed to be non-operational on 11/6/19 and was replaced on 11/13/19. After transducer replacement, pump was non-operational due to suspected frozen forcemain section. Troubleshooting will continue the week of 11/18/19.
LCS- 5B	11/22/19	11.7	21.9	235.3	33.6	268.90	Y	Dedicated Transducer	The transducer was observed to be non-operational on 11/6/19 and was replaced on 11/13/19. After transducer replacement, pump was non-operational due to suspected frozen forcemain section. The pump and motor were replaced on 11/19/19 and LCS-5B became fully operational.
LCS- 5B	11/22/19	11.7	21.9	235.3	32.9	268.20	Y	Dedicated Transducer  Dedicated Transducer	36 became fully operational.
LCS- 5B	12/6/19	12.4	21.9	235.3	34.3	269.60	Ý	Dedicated Transducer  Dedicated Transducer	
LCS- 5B	12/13/19	12.0	21.9	235.3	33.9	269.20	Y	Dedicated Transducer	
LCS- 5B	12/20/19	13.1	21.9	235.3	35.0	270.30	Ý	Dedicated Transducer	
LCS- 5B	12/27/19	10.0	21.9	235.3	31.9	267.20	Y	Dedicated Transducer	
LCS- 5B	1/3/20	11.3	21.9	235.3	33.2	268.50	Y	Dedicated Transducer	
LCS- 5B	1/10/20	12.4	21.9	235.3	34.3	269.60	Y	Dedicated Transducer	
LCS- 5B	1/17/20	11.3	21.9	235.3	33.2	268.50	Y	Dedicated Transducer	
LCS- 5B	1/24/20	13.0	21.9	235.3	34.9	270.20	Y	Dedicated Transducer	
LCS- 5B	1/31/20	11.7	21.9	235.3	33.6	268.90	Y	Dedicated Transducer	
LCS- 5B	2/7/20 2/14/20	12.6	21.9	235.3	34.5	269.80	Y	Dedicated Transducer	
LCS- 5B LCS- 5B	2/14/20 2/21/20	12.3 11.3	21.9 21.9	235.3 235.3	34.2 33.2	269.50 268.50	Y	Dedicated Transducer Dedicated Transducer	
LCS- 5B	2/21/20	11.3	21.9	235.3	33.2	268.80	Y	Dedicated Transducer  Dedicated Transducer	
LCS- 5B	3/6/20	10.3	21.9	235.3	32.2	267.50	Y	Dedicated Transducer  Dedicated Transducer	
LCS- 5B	3/13/20	11.2	21.9	235.3	33.1	268.40	Y	Dedicated Transducer  Dedicated Transducer	
LCS- 5B	3/20/20	12.3	21.9	235.3	34.2	269.50	Ϋ́	Dedicated Transducer	
LCS- 5B	3/27/20	12.2	21.9	235.3	34.1	269.40	Y	Dedicated Transducer	
LCS- 5B	4/3/20	11.9	21.9	235.3	33.8	269.10	Υ	Dedicated Transducer	
LCS- 5B	4/9/20	10.9	21.9	235.3	32.8	268.10	Y	Dedicated Transducer	
LCS- 5B	4/16/20	11.3	21.9	235.3	33.2	268.50	Y	Dedicated Transducer	
LCS- 5B	4/23/20	10.4	21.9	235.3	32.3	267.60	Y	Dedicated Transducer	
LCS- 5B	4/30/20	11.7	21.9	235.3	33.6	268.90	Y	Dedicated Transducer	
LCS- 5B	5/7/20	10.1	21.9	235.3	32.0	267.30	Y	Dedicated Transducer	
LCS- 5B	5/14/20	12.0	21.9	235.3	33.9	269.20	Y	Dedicated Transducer	
LCS- 5B LCS- 5B	5/21/20 5/28/20	11.7 11.2	21.9 21.9	235.3 235.3	33.6 33.1	268.90 268.40	Y	Dedicated Transducer	
LCS- 5B	6/4/20	11.2	21.9	235.3	33.1	268.30	Y	Dedicated Transducer Dedicated Transducer	
LOG- 0D	017120	11.1	41.0	200.0	55.0	200.00	<u> </u>	Doubatou Hansaucel	I

## LCS-5B Liquid Level Above Quarry Floor



<sup>\*</sup>The transducer in LCS-5B was down from 11/6/19 to 11/19/19.

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	Date		Transducer Height	Base of Sump		Elevation of	Pump on during		
	Reading		above Floor of	Elevation	Height of	Leachate	measurement?		
LCS Number	Collected	V	Quarry (Ft.)	(Ft. MSL)	Liquid (ft )	(Ft. MSL)	(Y/N)	Liquid level meter used	Comments
LCS- 6B	6/7/19	10.4	9.4	429.52	19.8	449.32	Υ	Dedicated Transducer	
LCS- 6B	6/14/19	10.2	9.4	429.52	19.6	449.12	Υ	Dedicated Transducer	
LCS- 6B	6/21/19	9.6	9.4	429.52	19.0	448.52	Υ	Dedicated Transducer	
LCS- 6B	6/28/19	10.0	9.4	429.52	19.4	448.92	Υ	Dedicated Transducer	
LCS- 6B	7/5/19	9.4	9.4	429.52	18.8	448.32	Υ	Dedicated Transducer	
LCS- 6B	7/12/19	10.3	9.4	429.52	19.7	449.22	Υ	Dedicated Transducer	
LCS- 6B	7/18/19	9.7	9.4	429.52	19.1	448.62	Υ	Dedicated Transducer	
LCS- 6B	7/25/19	9.3	9.4	429.52	18.7	448.22	Υ	Dedicated Transducer	
LCS- 6B	8/2/19	9.0	9.4	429.52	18.4	447.92	Υ	Dedicated Transducer	
LCS- 6B	8/9/19	10.7	9.4	429.52	20.1	449.62	Υ	Dedicated Transducer	
LCS- 6B	8/16/19	9.9	9.4	429.52	19.3	448.82	Υ	Dedicated Transducer	
LCS- 6B	8/23/19	10.2	9.4	429.52	19.6	449.12	Υ	Dedicated Transducer	
LCS- 6B	8/30/19	8.8	9.4	429.52	18.2	447.72	Υ	Dedicated Transducer	
LCS- 6B	9/6/19	9.5	9.4	429.52	18.9	448.42	Υ	Dedicated Transducer	
LCS- 6B	9/13/19	10.5	9.4	429.52	19.9	449.42	Υ	Dedicated Transducer	
LCS- 6B	9/20/19	10.1	9.4	429.52	19.5	449.02	Υ	Dedicated Transducer	
LCS- 6B	9/27/19	9.7	9.4	429.52	19.1	448.62	Y	Dedicated Transducer	
LCS- 6B	10/4/19	9.9	9.4	429.52	19.3	448.82	Υ	Dedicated Transducer	
LCS- 6B	10/11/19	9.4	9.4	429.52	18.8	448.32	Y	Dedicated Transducer	
LCS- 6B	10/18/19	10.0	9.4	429.52	19.4	448.92	Y	Dedicated Transducer	
LCS- 6B	10/25/19	9.7	9.4	429.52	19.1	448.62	Y	Dedicated Transducer	İ
LCS- 6B	11/1/19	10.1	9.4	429.52	19.5	449.02	Y	Dedicated Transducer	
LCS- 6B	11/8/19	9.9	9.4	429.52	19.3	448.82	Y	Dedicated Transducer	
LCS- 6B	11/15/19	9.5	9.4	429.52	18.9	448.42	Ÿ	Dedicated Transducer	
LCS- 6B	11/22/19	9.8	9.4	429.52	19.2	448.72	Y	Dedicated Transducer	
LCS- 6B	11/29/19	8.9	9.4	429.52	18.3	447.82	Y	Dedicated Transducer	
LCS- 6B	12/6/19	10.4	9.4	429.52	19.8	449.32	Ϋ́	Dedicated Transducer	
LCS- 6B	12/13/19	10.2	9.4	429.52	19.6	449.12	· Y	Dedicated Transducer	
LCS- 6B	12/20/19	9.1	9.4	429.52	18.5	448.02	Ý	Dedicated Transducer	
LCS- 6B	12/27/19	9.3	9.4	429.52	18.7	448.22	· Y	Dedicated Transducer	
LCS- 6B	1/3/20	10.1	9.4	429.52	19.5	449.02	Ÿ	Dedicated Transducer	
LCS- 6B	1/10/20	9.2	9.4	429.52	18.6	448.12	Ÿ	Dedicated Transducer	
E00-0B	1710/20	U.L	0.7	720.02	10.0	770.12	'	Dedicated Transdates	The LCS-6B transducer was observed to be non-operational on 1/13/20. Transducer replacement
LCS- 6B	1/17/20		9.4	429.52			N	Dedicated Transducer	is pending replacement parts arrival.
LCG- 0D	1/11/20		5.4	423.32			IN	Dedicated Transducer	The LCS-6B transducer was observed to be non-operational on 1/13/20. Transducer replacement
LCS- 6B	1/24/20		9.4	429.52			N	Dedicated Transducer	is pending replacement parts arrival.
LC3- 0B	1/24/20		9.4	429.32			IN	Dedicated Transducer	The LCS-6B transducer was observed to be non-operational on 1/13/20. Transducer replacement
LCS- 6B	1/31/20		9.4	429.52			N	Dedicated Transducer	is pending replacement parts arrival.
LCS- 0B	1/31/20		9.4	429.52			IN	Dedicated Transducer	
1.00.00	0/7/00		0.4	400.50				D. B. d. d. T d	The LCS-6B transducer was observed to be non-operational on 1/13/20. Transducer replacement
LCS- 6B	2/7/20		9.4	429.52			N	Dedicated Transducer	is pending replacement parts arrival.
	0144100			400 50					The LCS-6B transducer was observed to be non-operational on 1/13/20. Transducer replacement
LCS- 6B	2/14/20		9.4	429.52			N	Dedicated Transducer	is pending replacement parts arrival.
									The LCS-6B transducer was observed to be non-operational on 1/13/20. Transducer replacement
LCS- 6B	2/21/20	N/A	N/A	429.52	27.8	457.32	N	Heron Dipper T	is pending replacement parts arrival. Liquid level was measured manually.
						1			- 100 cm - 1 11 11 11 11 11 11 11 11 11 11 11 11
	0.00.00			400 50		457.00	l		The LCS-6B transducer was observed to be non-operational on 1/13/20. Transducer replacement
LCS- 6B	2/28/20	N/A	N/A	429.52	28.3	457.82	N	Heron Dipper T	is tentatively scheduled the week of 3/9/20. Liquid level was measured manually.
	1					1			The LCS-6B transducer was observed to be non-operational on 1/13/20. Transducer replacement
LCS- 6B	3/6/20	N/A	N/A	429.52	28.0	457.52	N	Heron Dipper T	is scheduled for 3/11/20. Liquid level was measured manually.
									The LCS-6B transducer was replaced on 3/11/20 and the pump became fully operational. The
1	1		_		_		l .		LCS-6B pump was observed to be non-operational on 3/12/20. The LCS-6B pump was replaced
LCS- 6B	3/13/20	12.5	9.4	429.52	21.9	451.42	Y	Dedicated Transducer	on 3/13/20. LCS-6B became fully operational on 3/13/20.
LCS- 6B	3/20/20	12.3	9.4	429.52	21.7	451.22	Υ	Dedicated Transducer	
LCS- 6B	3/27/20	11.9	9.4	429.52	21.3	450.82	Υ	Dedicated Transducer	
LCS- 6B	4/3/20	11.5	9.4	429.52	20.9	450.42	Υ	Dedicated Transducer	
LCS- 6B	4/10/20	12.0	9.4	429.52	21.4	450.92	Υ	Dedicated Transducer	
LCS- 6B	4/16/20	12.4	9.4	429.52	21.8	451.32	Υ	Dedicated Transducer	
									The LCS-6B VFD was observed to be non-operational on 4/23/20. The VFD was replaced on
						1			4/23/20 and LCS-6B became fully operational. A level sensor reading was not collected during the
LCS- 6B	4/23/20		9.4	429.52			Υ	Dedicated Transducer	weekly reporting period due to VFD communication loss with the site's SCADA system.
LCS- 6B	4/30/20	8.9	9.4	429.52	18.3	447.82	Υ	Dedicated Transducer	
LCS- 6B	5/7/20	9.0	9.4	429.52	18.4	447.92	Y	Dedicated Transducer	
LCS- 6B	5/14/20	13.3	9.4	429.52	22.7	452.22	Υ	Dedicated Transducer	
LCS- 6B	5/21/20	13.3	9.4	429.52	22.7	452.22	Υ	Dedicated Transducer	
LCS- 6B	5/28/20	7.8	9.4	429.52	17.2	446.72	Y	Dedicated Transducer	
LCS- 6B	6/4/20	8.9	9.4	429.52	18.3	447.82	Υ	Dedicated Transducer	
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