

Supplementary Table
Site 1 Analytical Results – Total Metals
in Leachate

Material	Location	Water Source	Depth to Top of Soil (feet)	Sample Date	pH	Arsenic (µg/L)	Barium (µg/L)	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Selenium (µg/L)	Silver (µg/L)
1	AOC6 ALB2 5% Repository	Rain	0.75	17-Feb-21	NM	1.6	900	<1.8	220	0.68	3.4	<2.8
		2L from stock tank after sampling	0.78	25-Mar-21	7.62	0.88	800	<1.8	250	8.4	1.3	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.78	20/Apr/21	7.59	2.1	410	<1.8	200	<13	<4.2	<2.8
		2 gal DI on May 17	0.8	18/May/21	7.78	4.1	270	<1.8	170	<13	<4.2	<2.8
2	AOC6 ALB2 5% Barrier	Rain	0.32	17-Feb-21	7.22	1.4	1,400	<1.8	170	1.0	2.8	<2.8
		2L from stock tank before sampling and 2L after sampling	0.4	25-Mar-21	7.98	0.73	1,500	<1.8	210	5.1	1.2	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.35	20/Apr/21	7.92	<2.1	610	<1.8	96	<13	<4.2	5.7
		2 gal DI on May 17	0.32	18/May/21	7.55	<2.1	430	<1.8	79	<13	<4.2	<2.8
3	AOC6 ALB2 1% Repository	Rain	0.77	17-Feb-21	8.33	1.2	260	<1.8	170	0.56	<2.2	<2.8
		2L from stock tank before sampling and 2L after sampling	0.79	25-Mar-21	NM	0.72	240	<1.8	130	3.3	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.77	20/Apr/21	8.33	3.2	220	<1.8	130	<13	<4.2	<2.8
		2 gal DI on May 17	0.76	18/May/21	8.07	<2.1	120	<1.8	80	<13	<4.2	<2.8
4	AOC6 ALB2 1% Barrier	Rain	0.47	17-Feb-21	8.51	7.4	190	<1.8	180	4.1	<2.2	<2.8
		3L from stock tank before sampling and 2L after sampling	0.47	25-Mar-21	8.34	0.87	160	<1.8	180.00	7.1	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.45	20/Apr/21	8.36	2.1	120	<1.8	120	<13	<4.2	<2.8
		2 gal DI on May 17	0.44	18/May/21	8.27	<2.1	88	<1.8	67	<13	<4.2	<2.8
5	AOC6 MercLok 1% Barrier	Rain	0.46	17-Feb-21	8.46	1.1	290	<1.8	130	0.48	<2.2	4.0
		3L from stock tank before sampling and 2L after sampling	0.48	25-Mar-21	8.31	0.92	280	<1.8	93	5.7	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.45	20/Apr/21	NM	<2.1	230	<1.8	140	<13	<4.2	<2.8
			0.44	18/May/21	8.06	<2.1	190	<1.8	150	<13	<4.2	<2.8
6	AOC6 MercLok 1% Barrier Dup	Rain	0.44	17-Feb-21	8.51	1.3	290	<1.8	260	4.2	<2.2	<2.8
		3L from stock tank before sampling	0.52	25-Mar-21	8.67	1.0	290	<1.8	310	8.2	1.2	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.49	20/Apr/21	7.98	<2.1	260	<1.8	250	<13	<4.2	<2.8
		2 gal DI on May 17	0.48	18/May/21	8.2	<2.1	140	<1.8	200	<13	<4.2	<2.8
7	AOC6 MercLok 5% Barrier	Rain	0.47	17-Feb-21	8.14	0.66	1,400	<1.8	100	0.46	<2.2	<2.8
		2L from stock tank before sampling and 2L after sampling	0.54	25-Mar-21	10.04	0.86	1,300	<1.8	170	5.2	1.8	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.47	20/Apr/21	NM	2.8	1,000	<1.8	150	<13	<4.2	<2.8
		2 gal DI on May 17	0.47	18/May/21	7.96	2.4	390	<1.8	110	<13	<4.2	<2.8
8	AOC6 MercLok 5% Repository	Rain	0.77	17-Feb-21	8.24	2.2	1,300	<1.8	140	2.2	4.4	<2.8
		2L from stock tank before sampling and 2L after sampling	0.79	25-Mar-21	8.54	0.60	890	<1.8	98	6.5	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.80	20/Apr/21	8.13	2.2	860	<1.8	110	<13	<4.2	4.1
		2 gal DI on May 17	0.79	18/May/21	NM	<2.1	630	<1.8	150	<13	<4.2	<2.8
9	AOC 6 Repository Control	Rain	0.75	17-Feb-21	8.81	2.3	87	<1.8	330	0.49	<2.2	<2.8
		2L from stock tank before sampling and 2L after sampling	0.79	25-Mar-21	8.60	1.8	74	<1.8	230	7.9	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.82	20/Apr/21	8.56	2.8	83	<1.8	180	<13	<4.2	<2.8
		2 gal DI on May 17	0.78	18/May/21	8.5	6.2	49	<1.8	120	<13	<4.2	<2.8
10	AOC 6 Barrier Control	Rain	0.61	17-Feb-21	8.57	2.1	94	<1.8	280	0.85	<2.2	<2.8
		3L from stock tank before sampling and 2L after sampling	0.67	25-Mar-21	8.59	1.7	88	<1.8	220	9.0	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.61	20/Apr/21	9.02	<2.1	82	<1.8	190	<13	<4.2	<2.8
		2 gal DI on May 17	0.59	18/May/21	8.47	<2.1	73	<1.8	170	<13	<4.2	<2.8
BOB												
11	AOC6 MercLok 1% Repository Dup	Rain	0.81	17-Feb-21	8.44	2.5	390	<1.8	230	2.2	4.6	<2.8
		2L from stock tank before sampling and 2L after sampling	0.83	25-Mar-21	8.36	10	250	<1.8	180	8.1	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.83	20/Apr/21	8.91	<2.1	220	<1.8	180	<13	<4.2	<2.8
		2 gal DI on May 17	0.81	18/May/21	8.1	3.2	260	<1.8	190	<13	<4.2	<2.8
12	AOC6 MercLok 1% Repository	Rain	0.79	17-Feb-21	NM	1.4	280	<1.8	140	2.3	<2.2	<2.8
		2L from stock tank before sampling and 2L after sampling	0.79	25-Mar-21	8.20	0.77	260	<1.8	120	7.6	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.82	20/Apr/21	8.86	<2.1	220	<1.8	120	<13	<4.2	<2.8
		2 gal DI on May 17	0.79	18/May/21	8.01	3.4	230	<1.8	190	<13	<4.2	<2.8
13	AOC X Repository Control	Rain	0.94	17-Feb-21	8.44	3.7	120	<1.8	160	1.0	2.4	<2.8
		2L from stock tank before sampling and 2L after sampling	0.97	25-Mar-21	8.40	3.0	120	<1.8	150	6.8	1.5	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.98	20/Apr/21	8.78	3.5	84	<1.8	150	<13	<4.2	<2.8
		2 gal DI on May 17	0.98	18/May/21	8.33	4.1	130	<1.8	180	<13	<4.2	<2.8
14	AOCX MercLok 5% Repository	Rain	0.85	17-Feb-21	7.66	0.85	820	<1.8	120	<0.46	<2.2	<2.8
		2L from stock tank before sampling and 2L after sampling	0.94	25-Mar-21	7.81	0.82	640	<1.8	87	6.5	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.89	20/Apr/21	8.27	<2.1	530	<1.8	99	<13	<4.2	3.8
		2 gal DI on May 17	0.86	18/May/21	7.49	3.9	430	<1.8	120	<13	<4.2	<2.8
15	AOCX MercLok 5% Repository Dup	Rain	0.78	17-Feb-21	7.62	1.2	1,000	<1.8	130	<0.46	3.2	<2.8
		2L from stock tank before sampling and 2L after sampling	0.88	25-Mar-21	7.76	0.98	770	<1.8	110	6.5	<1.1	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.86	20/Apr/21	8.16	3.8	550	<1.8	120	<13	<4.2	<2.8
		2 gal DI on May 17	0.83	18/May/21	7.85	2.5	310	<1.8	88	<13	<4.2	<2.8
16	AOCX MercLok 10% Repository	Rain	0.85	17-Feb-21	NM	1.2	1,000	<1.8	150	0.66	3.0	<2.8
		2L from stock tank before sampling and 2L after sampling	0.86	25-Mar-21	7.63	1.5	790	<1.8	170	4.6	2.3	<2.8
		1gal DI on April 14, and 1gal DI on April 20 before sampling	0.87	20/Apr/21	8.14	3.0	510	<1.8	110	<13	<4.2	3.7
		2 gal DI on May 17	0.86	18/May/21	7.64	<2.1	320	<1.8	91	<13	<4.2	<2.8
Water Quality Numerical Limits ¹						10	1,000	5.0	50	9.8	5	31
					6 to 9	MCL	MCL	MCL	MCL	CTR-Fresh AL	CTR-Fresh AL	CTR-Fresh AL
San Francisco Regional Water Quality Control Board Tier 1 Environmental Screening Levels 2019						10	1,000	0.25	50.00	2.50	0.19	2.00