

Mead Custodial Trust

606 Columbia St NW
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Olympia, WA 98501
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RECEIVED

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Ecology W2R-Ind

December 8, 2016

Mr. William Rubright
307 W Koda Court
Spokane, WA 99208

Subject: Surface Water Sampling from the Kaiser Mead Site

Enclosed are the water quality sampling results through October 2016 for the spring that surfaces in your backyard, with information on releases from the Kaiser Mead Superfund site. The table identifies sampling dates, acidity (pH), conductivity, water temperature, total and weak-acid-dissociable cyanide, free cyanide, and fluoride. The free cyanide and fluoride columns on the right are the data of most interest to the regulators.

At the direction of the Department of Ecology, we are continuing to investigate the site to determine the best remedial path forward.

I would like to thank you for your continued cooperation with the surface water sampling. If you have any questions regarding the interpretation of these results please contact Mr. Guy Barrett, of the Washington Department of Ecology at (360) 407-6999.

Sincerely,

Dan Silver
Trustee

Enclosure

Cc: Guy Barrett, LHG – WA Dept. of Ecology

CDC Mead

Facility:	
Year: <i>16</i>	Left Right
Air	Corr
Water	Reports
NPDES	Permit
WET-TOX	Enf
DW/RCRA	Eng
Cleanup	Sub
SW	
HWP2	

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December 8, 2016

Mr. Dan Lake
13608 N. Minihdoka Trail
Spokane, WA 99208

Subject: Surface Water Sampling from the Kaiser Mead Site

Dear Mr. Lake:

Enclosed are the water quality sampling results through October 2016 for the spring that surfaces in your backyard, with information on releases from the Kaiser Mead Superfund site. The table identifies sampling dates, acidity (pH), conductivity, water temperature, total and weak-acid-dissociable cyanide, free cyanide and fluoride. The free cyanide and fluoride columns on the right are the data of most interest to the regulators.

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Kaiser Mead NPL Surface Water Monitoring

Descriptive Name	Date Sampled	pH Std Units	Conductivity umhos/cm	Temp. Deg. C	Total CN mg/L	WAD CN mg/L	Free CN mg/L	F mg/L
Springs								
Dan Lake (W-195)	3/23/2005	7.55	582	10.7	2.47	0.073		1.08
	6/27/2005	6.69	310	13.1	1.48	0.100		0.97
	7/21/2005	6.77	669.4	11.78	1.44	0.394		1.00
	10/28/2005	7.52	549.1	13.71	1.25	0.080		0.98
	1/18/2006	7.45	569.4	9.40	1.02	0.118		1.01
	5/26/2006	7.70	588.0	12.29	1.23	0.142		1.06
	9/20/2006	7.25	761.2	13.61	1.42	0.387		0.87
	12/20/2006	6.64	690.8	11.86	1.41	0.0932		0.97
	3/22/2007	7.76	609.1	11.38	1.13	1.03		1.1
	6/26/2007	7.33	596.9	14.25	1.51	0.215		1.1
	8/22/2007	6.99	692.2	14.49	1.50	0.138		1.1
	11/14/2007	7.02	721.3	9.54	1.33	0.132		1.1
	3/4/2008	7.04	728.4	9.64	1.28	0.11		1.1
	6/16/2008	6.97	580.7	10.97	2.28	0.127		1.11
	9/18/2008	6.67	598.3	14.2	2.41	0.4		0.944
	1/14/2009	7.7	586	11.5	1.77	0.0684		1.08
	5/8/2009	7.82	375	12.13	2.07	0.189		1.14
	9/24/2009	7.1	745	11.83	2.57	0.0498		<0.100
	11/10/2009	7.1	618	11.16	1.37	0.0328		0.94
	2/24/2010	7.69	619	10.82	2.48	0.193		0.974
	5/25/2010	6.55	632	11.62	1.62	0.235		1.06
	8/25/2010	7.14	755	11.55	*1.68	0.158		0.99
	11/17/2010	8.83	760	11.21	1.85	0.063		1.02
	3/23/2011	7.69	627	10.76	1.82	0.386		1.02
	6/8/2011	7.59	621	11.21	1.80	0.102		1.08
	8/23/2011	5.99	1074	11.51	1.28	0.176		1.15
	11/1/2011	6.48	976	10.70	1.48	0.037		0.98
	1/5/2012	6.78	781	10.6	1.86	0.055		0.95
	4/17/2012	7.70	714	11.1	1.74	0.092		1.27
	9/24/2012	6.88	735	12.5	1.40	0.071		1.22
	11/7/2012	7.24	724	11.2	1.45	0.089		1.15
	3/26/2013	8.00	602	11.3	1.69	0.092		1.04
	6/6/2013	7.40	125	16.6	1.36	0.184		1.01
	7/17/2013	7.65	906	17.1	1.26	0.071		1.10
	10/24/2013	7.85	876	11.1	1.62	0.084		1.03
	3/13/2014	8.10	696	10.7	1.95	0.177		1.19
	4/30/2014	7.00	716	10.8	1.82	0.170		1.21
	7/10/2014	8.20	759	13.9	1.64	0.299		1.14
	10/27/2014	8.00	815	10.5	1.70	0.064		1.06
	3/6/2015	8.10	668	10.2	1.80	0.057	0.089	1.15
	4/8/2015	8.20	643	11.1	1.85	0.081		1.38
	7/8/2015	8.00	792	15.5	1.82	0.200		1.20
	10/6/2015	8.00	874	12.0	2.23	0.273	0.14	1.22
	3/2/2016	8.00	677	10.8	1.70	0.0350	na	1.27
	6/16/2016	8.10	772	11.9	1.35	0.0730	0.061	1.63
	8/30/2016	8.00	940	12.7	1.63	0.0630	0.042	1.34
	10/31/2016	8.10	840	11.1	1.45	0.0210	<0.0100	1.44

Notes:

< = chemical was not detected at or above the method reporting limit

CN = cyanide

WAD = weak acid dissociable

F = fluoride

mg/L = milligrams per liter

* -Result is from re-analysis outside holding time

Kaiser Mead NPL Surface Water Monitoring

Descriptive Name	Date Sampled	pH Std Units	Conductivity umhos/cm	Temp. Deg. C	Total CN mg/L	WAD CN mg/L	Free CN mg/L	F mg/L
Springs								
Bill Rubright (W-2326)	3/23/2005	7.49	434	8.8	0.177	0.018		0.17
	6/27/2005	7.18	409	12.7	0.183	<0.010		0.19
	7/21/2005	7.26	392.1	12.76	0.171	0.159		0.16
	10/28/2005	7.61	344.1	12.51	0.163	<0.010		0.16
	1/18/2006	7.68	237.3	8.43	0.144	0.017		0.18
	5/26/2006	8.15	396.4	12.08	0.142	0.016		0.14
	9/20/2006	7.97	391.6	14.03	0.154	0.017		0.14
	12/20/2006	6.7	408.1	10.53	0.16	0.0154		0.11
	3/22/2007	7.89	379	10.72	0.145	0.118		0.200
	6/26/2007	7.49	324.4	14.12	0.200	0.07		<0.1
	8/22/2007	7.43	389.6	13.48	0.179	0.038		<0.1
	11/14/2007	7.41	388.4	9.86	0.164	0.015		0.1
	3/4/2008	7.41	480.1	10.03	0.175	0.02		0.1
	6/16/2008	7.41	386.1	11.31	0.186	0.025		0.158
	9/18/2008	7.01	301.2	13.2	0.188	0.028		0.154
	1/14/2009	7.84	383	9.1	0.181	<0.0100		0.151
	5/8/2009	7.83	325	12.13	0.163	0.036		0.148
	9/24/2009	7.43	431	12.13	0.174	<0.0100		0.146
	11/10/2009	7.26	439	10.03	0.190	0.012		0.108
	2/24/2010	7.85	278	8.83	0.237	<0.0100		0.123
	5/25/2010	6.62	384	11.15	0.221	0.024		0.143
	8/25/2010	7.79	265	12.05	0.269	0.0216		0.193
	11/17/2010	8.14	126	10.33	0.248	<0.0100		0.200
	3/23/2011	7.74	267	9.05	0.216	0.0513		0.208
	6/8/2011	7.63	271	9.75	0.198	0.013		0.170
	8/23/2011	7.45	427	12.34	0.207	0.015		0.20
	11/1/2011	7.42	454	12.1	0.218	0.014		0.20
	1/5/2012	6.86	721	9.8	0.243	<0.0100		0.14
	4/17/2012	7.83	301	9.25	0.216	0.020		0.21
	9/24/2012	7.45	412	12.7	0.284	0.042		0.19
	11/7/2012	6.91	414	10.61	0.289	0.180		0.19
	3/26/2013	8.30	419	11.2	0.308	0.047		0.17
	6/6/2013	7.79	457	15.6	0.359	0.084		0.17
	7/17/2013	7.96	467	14.8	0.385	0.033		0.19
	10/24/2013	7.82	530	11.2	0.404	0.019		0.18
	3/13/2014	8.60	438	10.2	0.382	0.073		0.21
	4/30/2014	7.60	432	10.3	0.403	0.062		0.19
	7/10/2014	8.50	453	13.9	0.409	0.089		0.17
	10/27/2014	8.50	454	10.1	0.419	0.019		0.21
	3/6/2015	8.20	433	8.6	0.426	0.032	0.026	0.132
	4/8/2015	8.40	427	10.8	0.415	0.048		0.224
	7/8/2015	8.90	447	14.8	0.392	0.0740		0.171
	10/6/2015	8.40	439	12.8	0.433	0.0510	0.035	0.243
	3/2/2016	8.40	431	10.8	0.364	0.0250	na	0.159
	6/16/2016	8.43	455	12.6	0.342	0.0310	0.0190	0.167
	8/30/2016	8.20	454	12.8	0.350	0.0260	0.0140	0.147
	10/31/2016	8.20	498	10.8	0.317	<0.0100	<0.0100	0.176

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