

AP-111

AGWMR (2)

2014

8.16.2 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			Parameters			
			BOD (mg/L)	COD (mg/L)	E-Coli (CFU/100ml)	Total Coliform (CFU/100ml)
WQCC 20NMAC 6.2.3103			<30 ¹	<125 ¹	< 500 organisms per 100 ml	
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			NE	NE	MCL ⁶	
SAMPLE ID	DATE SAMPLED	METHOD				
EP-1	11/12/2014	SM5210B/E410.4/SM9223B	240	1700	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	55	560	NA	NL
	10/16/2013	SM5210B/E410.4/SM9223B	<33.3	560	20	NL
	5/29/2013	SM5210B/E410.4/SM9223B	75	310	10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	520	1100	10462	NL
	5/30/2012	SM5210B/E410.4/SM9223B	340	990	>2419.6	NL
	11/2/2011	SM5210B/9223B	960	2250	>2419.6	NL
	5/24/2011	SM5210B/9223B	440	1340	1986.3	NL
	11/17/2010	SM9223B/3014	1400	3200	<10	NL
	8/2-3/2010	SM5210B/E410.4/3014	290	346	>2419.6	NL
	4/21/2010 ²	SM5210B/E410.4/3014	1080	2210	>2419.6	>2419.6
	6/17/2009	SM5210B/E410.4/3014	179	344	Present	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	>60000	NL
	9/9/2008	SM5210B/E410.4/3014	299	3000	58	NL
	6/17/2008	SM5210B/E410.4/3014	327	1230	ND	ND
	3/11/2008	SM5210B/E410.4/3014	556	965	Absent	NL
EP-2	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	>2419.6	NL
	11/12/2014	SM5210B/E410.4/SM9223B	170	580	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	450	1000	>2419.6	NL
	10/16/2013	SM5210B/E410.4/SM9223B	420	1100	3282	NL
	5/29/2013	SM5210B/E410.4/SM9223B	210	700	31	NL
	11/7/2012	SM5210B/E410.4/SM9223B	750	1300	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	100	860	4106	NL
	11/2/2011	SM5210B/9223B	530	1560	>2419.6	NL
	5/24/2011	SM5210B/9223B	230	737	648.8	NL
	11/17/2010	SM9223B/3014	550	1020	1553.1	NL
	8/2-3/2010	SM5210B/E410.4/3014	64	172	>2419.6	NL
	4/21/2010	SM5210B/E410.4/3014	1100	2060	>2419.6	>2419.6
	6/17/2009	SM5210B/E410.4/3014	83.6	192	Present	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	>6000	NL
	9/9/2008	SM5210B/E410.4/3014	122	2500	300	NL
	6/17/2008	SM5210B/E410.4/3014	110	790	ND	ND
3/11/2008	SM5210B/E410.4/3014	0.71	871	Absent	NL	
EP-3	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	408	NL
	11/12/2014	SM5210B/E410.4/SM9223B	120	590	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	440	990	122	NL
	10/16/2013	SM5210B/E410.4/SM9223B	320	870	121	NL
	5/29/2013	SM5210B/E410.4/SM9223B	120	1600	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	390	900	10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	69	980	10	NL
	11/2/2011	SM5210B/9223B	140	608	>2419.6	NL
	5/24/2011	SM5210B/9223B	190	574	1.0	NL
	11/17/2010	SM9223B/3014	120	560	40.8	NL
	8/2-3/2010	SM5210B/E410.4/3014	36	238	>2419.6	NL
	4/21/2010 ²	SM5210B/E410.4/3014	200	771	100.6	>2419.6
	6/17/2009	SM5210B/E410.4/3014	69.2	204	Present	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	>6000	NL
	9/9/2008	SM5210B/E410.4/3014	73	950	300	NL
	6/17/2008	SM5210B/E410.4/3014	9639	691	ND	ND
3/11/2008	SM5210B/E410.4/3014	323	871	Present	NL	

8.16.2 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			Parameters			
			BOD (mg/L)	COD (mg/L)	E-Coli (CFU/100ml)	Total Coliform (CFU/100ml)
WQCC 20NMAC 6.2.3103			<30 ¹	<125 ¹	< 500 organisms per 100 ml	
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			NE	NE	MCL ⁶	
SAMPLE ID	DATE SAMPLED	METHOD				
EP-4	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	63	NL
	11/12/2014	SM5210B/E410.4/SM9223B	120	670	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	500	1000	1	NL
	10/16/2013	SM5210B/E410.4/SM9223B	270	840	31	NL
	5/29/2013	SM5210B/E410.4/SM9223B	96	700	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	230	880	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	59	680	<10	NL
	11/2/2011	SM5210B/9223B	62	478	547.5	NL
	5/24/2011	SM5210B/9223B	190	639	4.1	NL
	11/17/2020	SM9223B/3014	140	440	12	NL
	8/2-3/2010	SM5210B/E410.4/3014	35	204	>2419.6	NL
	4/21/2010 ²	SM5210B/E410.4/3014	281	683	<1.0	>2419.6
	6/17/2009	SM5210B/E410.4/3014	71.1	222	Present	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	2900	NL
	9/9/2008	SM5210B/E410.4/3014	68	850	54.5	NL
	6/17/2008	SM5210B/E410.4/3014	103	110	ND	ND
	3/11/2008	SM5210B/E410.4/3014	275	663	Present	NL
EP-5	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	<1	NL
	11/12/2014	SM5210B/E410.4/SM9223B	<20.55	NA	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	>69.15	1000	NA	NL
	10/16/2013	SM5210B/E410.4/SM9223B	220	720	31	NL
	5/29/2013	SM5210B/E410.4/SM9223B	66	600	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	150	1000	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	35	760	10	NL
	11/2/2011	SM5210B/9223B	29	302	5.2	NL
	5/24/2011	SM5210B/9223B	150	413	1.0	NL
	11/17/2010	SM9223B/3014	76	320	4.1	NL
	8/2-3/2010	SM5210B/E410.4/3014	40	208	1960.8	NL
	4/21/2010 ²	SM5210B/E410.4/3014	123	782	2.0	>2419.6
	6/17/2009	SM5210B/E410.4/3014	41.9	210	Absent	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	630	NL
	9/9/2008	SM5210B/E410.4/3014	59	667	54.5	NL
	6/17/2008	SM5210B/E410.4/3014	<128	575	ND	ND
	3/11/2008	SM5210B/E410.4/3014	178	506	Present	

8.16.2 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			Parameters			
			BOD (mg/L)	COD (mg/L)	E-Coli (CFU/100ml)	Total Coliform (CFU/100ml)
WQCC 20NMAC 6.2.3103			<30 ¹	<125 ¹	< 500 organisms per 100 ml	
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			NE	NE	MCL ⁶	
SAMPLE ID	DATE SAMPLED	METHOD				
EP-6	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	<1	NL
	11/12/2014	SM5210B/E410.4/SM9223B	<15.30	NA	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	>171.97	600	<10	NL
	10/16/2013	SM5210B/E410.4/SM9223B	<25.5	940	<10	NL
	5/29/2013	SM5210B/E410.4/SM9223B	46	710	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	10	1000	<1.0	NL
	5/30/2012	SM5210B/E410.4/SM9223B	18	710	<1.0	NL
	11/2/2011	SM5210B/9223B	7.3	252	47.3	NL
	5/24/2011	SM5210B/9223B	71	473	<1.0	NL
	11/17/2010	SM9223B/3014	<1200	168	8.6	NL
	8/2-3/2010	SM5210B/E410.4	15	172	1892	NL
	4/21/2010 ²	SM5210B/E410.5	54.8	290	1.0	>2419.6
	6/17/2009	SM5210B/E410.4	<60	126	Absent	Present
	12/2/2008	SM5210B/E410.4	ND	ND	17.3	NL
	9/9/2008	SM5210B/E410.4	47	949	90.9	NL
	6/17/2008	SM5210B/E410.4	<128	723	ND	ND
	3/11/2008	SM5210B/E410.4	126	847	Present	NL
EP-7	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	20	NL
	11/12/2014	SM5210B/E410.4/SM9223B	28	NA	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	11	3900	<1	NL
	10/16/2013	SM5210B/E410.4/SM9223B	37	3200	<10	NL
	5/29/2013	SM5210B/E410.4/SM9223B	19	6000	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	21	2300	<1.0	NL
	5/30/2012	SM5210B/E410.4/SM9223B	15	3200	<1.0	NL
	11/2/2011	SM5210B/9223B	15	1240	<1.0	NL
	5/24/2011	SM5210B/9223B	27	918	<1.0	NL
	11/17/2010	SM9223B/3014	380	920	<1.0	NL
	8/2-3/2010	SM5210B/E410.4/3014	5	870	<1.0	NL
	4/21/2010 ²	SM5210B/E410.4/3014	<60.0	1010	<1.0	96
	6/17/2009	SM5210B/E410.4/3014	<60	720	Absent	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	<1.0	NL
	9/9/2008	SM5210B/E410.4/3014	47.8	3330	24.9	NL
	6/17/2008	SM5210B/E410.4/3014	17.7	4340	ND	ND
	3/11/2008	SM5210B/E410.4/3014	15.7	2118	Absent	NL
EP-8	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	10	NL
	11/12/2014	SM5210B/E410.4/SM9223B	27	NA	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	13	2900	<1	NL
	10/16/2013	SM5210B/E410.4/SM9223B	6.8	9800	<10	NL
	5/29/2013	SM5210B/E410.4/SM9223B	22	4600	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	10	13000	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	4.5	3800	<1.0	NL
	11/2/2011	SM5210B/9223B	9.0	512	32.3	NL
	5/24/2011	SM5210B/9223B	46	3140	<1.0	NL
	11/17/2010	SM9223B/3014	400	1720	<1.0	NL
	8/2-3/2010	SM5210B/E410.4/3014	5	2520	<1.0	<1
	4/21/2010 ²	SM5210B/E410.4/3014	14.3	776	<1.0	2
	6/17/2009	SM5210B/E410.4/3014	<60.0	2160	Absent	Present
	12/2/2008	SM5210B/E410.4/3014	ND	ND	<1.0	NL
	9/9/2008	SM5210B/E410.4/3014	<16.0	3080	102	NL
	6/17/2008	SM5210B/E410.4/3014	8.2	16100	ND	ND
	3/11/2008	SM5210B/E410.4/3014	17.4	1770	Absent	NL

8.16.2 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			Parameters			
			BOD (mg/L)	COD (mg/L)	E-Coli (CFU/100ml)	Total Coliform (CFU/100ml)
WQCC 20NMAC 6.2.3103			<30 ¹	<125 ¹	< 500 organisms per 100 ml	
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			NE	NE	MCL ⁶	
SAMPLE ID	DATE SAMPLED	METHOD				
EP-9	11/13/2014	SM5210B/E410.4/SM9223B	4.2	NA	<1	NL
	3/5/2014	SM5210B/E410.4/SM9223B	15	3700	<1	NL
	10/16/2013	SM5210B/E410.4/SM9223B	<12.3	4700	<10	NL
	5/29/2013	SM5210B/E410.4/SM9223B	19	7400	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	7.9	1400	<1.0	NL
	5/30/2012	SM5210B/E410.4/SM9223B	23	2800	<1.0	NL
	11/2/2011	SM5210B/9223B	9.0	1870	<1.0	NL
	5/24/2011	SM5210B/9223B	43	1640	<1.0	NL
	11/17/2010	SM9223B/3014	350	1240	<1.0	NL
	4/21/2010 ²	SM5210B/E410.4/3014	<60.0	760	<1.0	85.5
EP-11	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	<10	NL
	11/12/2014	SM5210B/E410.4/SM9223B	89	NA	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	48	570	<10	NL
	10/16/2013	SM5210B/E410.4/SM9223B	190	530	20	NL
	5/29/2013	SM5210B/E410.4/SM9223B	30	610	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	130	620	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	20	890	<10	NL
	11/2/2011	SM5210B/9223B	40	486	461.1	NL
	5/24/2011	SM5210B/9223B	52	711	<1.0	NL
	11/17/2010	SM9223B/3014	350	460	4.1	NL
4/21/2010	SM5210B/E410.4/3014	<60.0	492	<1.0	71.9	
EP-12A	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	131	NL
	11/12/2014	SM5210B/E410.4/SM9223B	<37.5	NA	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	210	560	<10	NL
	10/16/2013	SM5210B/E410.4/SM9223B	270	930	41	NL
	5/29/2013	SM5210B/E410.4/SM9223B	100	1400	<10	NL
	11/7/2012	SM5210B/E410.4/SM9223B	150	650	<10	NL
	5/29/2012	SM5210B/E410.4/SM9223B	22	660	<10	NL
	11/2/2011	SM5210B/9223B	85	515	>2419.6	NL
	5/24/2011	SM5210B/9223B	130	582	1.0	NL
	11/17/2010	SM9223B/3014	330	300	64.4	NL
4/21/2010	SM5210B/E410.4/3014	87.3	675	47.6	>2419.6	

8.16.2 EVAPORATION PONDS (EP-1 thru EP-12B)
BOD/COD/E-COLI Analytical Result Summary

			Parameters			
			BOD (mg/L)	COD (mg/L)	E-Coli (CFU/100ml)	Total Coliform (CFU/100ml)
WQCC 20NMAC 6.2.3103			<30 ¹	<125 ¹	< 500 organisms per 100 ml	
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			NE	NE	MCL ⁶	
SAMPLE ID	DATE SAMPLED	METHOD				
EP-12B	11/13/2014	SM5210B/E410.4/SM9223B	NA	NA	1012	NL
	11/12/2014	SM5210B/E410.4/SM9223B	110	NA	NA	NL
	3/5/2014	SM5210B/E410.4/SM9223B	430	810	<10	NL
	10/16/2013	SM5210B/E410.4/SM9223B	460	940	231	NL
	5/29/2013	SM5210B/E410.4/SM9223B	260	770	31	NL
	11/7/2012	SM5210B/E410.4/SM9223B	310	850	<10	NL
	5/30/2012	SM5210B/E410.4/SM9223B	37	920	<10	NL
	11/2/2011	SM5210B/9223B	130	618	>2419.6	NL
	5/24/2011	SM5210B/9223B	170	450	3.0	NL
	11/17/2010	SM9223B/3014	350	280	12	NL
	4/21/2010 ²	SM5210B/E410.4/3014	342	1070	1540.2	>2419.6

DEFINITIONS

NE = Not established
 NA = Not analyzed
 NL = Not listed on laboratory analysis
 ND = No data available
 Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/L TDS Concentrations or Less.
 1. 20 NMAC 6.2.2101 General Requirements
 EPA Regional Screening Level (RSL) Summary Table
 6. Fecal coliform positive or e-coli positive triggers repeat samples if any repeat sample is total coliform positive.
 A routine sample that is total coliform positive and fecal coliform negative or e-coli negative triggers repeat samples if any repeat sample is fecal coliform positive or e-coli positive.

NOTES

2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines for the first quarter of 2010 which included the addition of evaporation ponds 9a, 11, 12A and 12B.

8.16.3 EVAPORATION PONDS (EP-1 thru EP-12B)

Total Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1	0.01	0.05	1	1	0.05	NE	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (June 2015)			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (June 2015)			0.000052	3.8	0.0092	NE	0.8	14	0.015	NE	0.43	0.1	0.00063	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD													
EP-1	11/12/2014	200.7/200.8	0.047	0.13	<0.002	0.048	<0.006	2.2	<0.005	NL	0.68	0.017	0.00032	<0.005	0.059
	3/5/2014	200.7/200.8	0.013	0.12	<0.002	0.018	<0.006	0.86	<0.01	NL	0.51	<0.01	<0.0002	<0.01	0.028
	10/15/2013	200.7/200.8	0.011	0.1	<0.002	0.018	<0.006	0.56	<0.01	120	0.46	<0.01	<0.0002	<0.01	0.025
	5/28/2013	200.7/200.8	0.0062	0.057	<0.002	0.0099	<0.006	0.4	<0.005	NL	0.39	0.0077	<0.0002	0.0016	0.019
	11/6/2012	200.7/200.8	0.0095	0.037	<0.002	0.0079	<0.006	3.1	<0.005	NL	0.6	0.011	0.0022	<0.0025	0.066
	5/29/2012	200.7/200.8	0.0091	0.074	<0.002	<0.006	0.014	2.3	<0.005	NL	0.15	0.0098	0.00082	<0.0025	0.17
	11/1/2011	200.7/200.8	0.0077	0.18	<0.002	0.013	0.021	7.3	<0.005	NL	0.14	0.0067	0.0045	<0.0025	0.43
	5/23/2011	200.7/200.8	0.014	0.077	<0.002	0.055	0.013	20	<0.005	8.2	0.36	<0.05	0.0015	<0.0025	0.23
	11/16/2010	6010B	<0.1	<0.1	<0.01	0.39	<0.03	14	<0.025	NL	0.19	<0.25	0.00067	<0.02	0.89
	8/2/2010	6010B	<0.5	<0.5	<0.05	<0.15	<0.15	15	<0.13	NL	0.43	<1.3	0.0016	NL	1.3
	4/20/2010 ²	6010B	<0.1	0.27	<0.01	<0.03	<0.03	36	<0.025	12	0.24	<0.25	<0.0002	0.00581	0.49
	6/17/2009	6010B	0.008	0.01	<0.01	<0.05	<0.01	5.6	<0.05	12.5	0.2	0.015	<0.001	<0.001	0.28
	12/2/2008	6010B	<0.02	0.098	NL	<0.01	<0.02	7.6	<0.005	16	0.27	0.041	<0.0002	<0.001	0.36
	9/9/2008	6010B	<0.02	0.076	<0.002	<0.006	<0.006	NL	<0.005	14	0.22	<0.05	<0.0002	<0.001	0.12
EP-2	11/12/2014	200.7/200.8	<0.02	0.11	<0.002	0.012	<0.006	2.8	0.002	NL	0.24	<0.02	<0.0002	0.0071	0.025
	3/5/2014	200.7/200.8	0.012	0.12	<0.002	0.013	<0.006	1.2	<0.01	NL	0.36	0.023	<0.001	0.0051	0.02
	10/15/2013	200.7/200.8	0.011	0.093	<0.002	0.0081	<0.006	0.45	<0.01	30	0.2	0.012	<0.0002	<0.01	0.032
	5/28/2013	200.7/200.8	0.013	0.056	<0.002	0.017	<0.006	3.1	<0.005	NL	0.44	0.029	<0.0002	<0.001	0.045
	11/6/2012	200.7/200.8	0.0093	0.037	<0.002	0.014	<0.006	1.3	<0.005	NL	0.37	0.0053	0.00033	<0.0025	0.025
	5/29/2012	200.7/200.8	0.011	0.064	<0.002	<0.006	<0.006	0.99	<0.005	NL	0.15	0.011	<0.0002	<0.0025	0.032
	11/1/2011	200.7/200.8	0.0083	0.059	<0.002	0.008	<0.006	3.9	<0.005	NL	0.11	0.0062	0.0015	<0.005	0.12
	5/23/2011	200.7/200.8	0.014	0.024	<0.002	0.024	<0.006	2.6	<0.005	70	0.33	<0.05	<0.0002	<0.0025	0.037
	11/16/2010	200.7/200.8	<0.1	<0.11	<0.01	0.051	<0.03	7.9	<0.025	NL	0.41	<0.25	0.00045	<0.001	0.59
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	2.4	<0.05	NL	0.23	<0.5	<0.0002	<0.001	<0.5
	4/20/2010 ²	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	17	<0.025	26	0.31	<0.25	0.00077	0.0083	<0.25
	6/17/2009	6010B	0.011	<0.1	<0.01	<0.05	<0.01	2.33	<0.05	75.3	0.17	0.011	<0.001	0.002	0.08
	12/2/2008	6010B	<0.02	0.061	NL	<0.01	<0.02	2.7	<0.005	56	0.19	0.022	<0.0002	<0.001	0.089
	9/9/2008	6010B	<0.02	0.1	NL	<0.006	<0.006	NL	<0.005	84	0.21	<0.25	0.1	0.00207	0.089
EP-3	11/12/2014	200.7/200.8	<0.02	0.1	<0.002	0.0098	<0.006	1.9	<0.02	NL	0.23	<0.02	<0.0002	<0.02	0.02
	3/5/2014	200.7/200.8	0.011	0.15	<0.01	<0.03	<0.03	1	<0.01	NL	0.41	0.019	<0.0002	<0.01	<0.05
	10/15/2013	200.7/200.8	0.014	0.11	<0.002	0.007	<0.006	0.76	<0.01	130	0.19	0.015	<0.0002	<0.01	0.023
	5/28/2013	200.7/200.8	0.013	0.079	<0.002	0.011	<0.006	0.89	<0.005	NL	0.22	0.013	<0.0002	<0.005	0.016
	11/6/2012	200.7/200.8	0.0095	0.039	<0.002	0.0076	<0.006	1.7	<0.005	NL	0.48	0.008	0.00044	<0.0025	0.031
	5/29/2012	200.7/200.8	0.013	0.081	<0.002	<0.006	<0.006	0.39	<0.005	NL	0.11	0.013	<0.0002	<0.005	<0.01
	11/1/2011	200.7/200.8	0.0076	0.061	<0.002	0.0069	<0.006	2.6	<0.005	NL	0.12	0.0065	0.00055	<0.005	0.06
	5/23/2011	200.7/200.8	0.015	0.034	<0.002	0.023	<0.006	2	<0.005	86	0.33	<0.05	<0.0002	<0.0025	0.033
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.65	<0.025	NL	0.19	<0.25	<0.0002	<0.001	<0.1
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	3	<0.05	NL	0.38	<0.5	<0.0002	<0.001	<0.5
	4/20/2010 ²	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	1.6	<0.025	140	0.39	<0.25	<0.0002	0.00326	<0.25
	6/17/2009	6010B	0.013	<0.1	<0.01	<0.05	<0.01	1.75	<0.05	89.5	0.22	0.013	<0.001	0.003	0.07
	12/2/2008	6010B	0.024	0.052	NL	<0.01	<0.02	1.8	<0.005	52	0.2	0.026	<0.0002	<0.001	<0.03
	9/9/2008	6010B	<0.02	0.11	NL	<0.006	<0.006	NL	<0.005	87	0.21	<0.25	<0.0002	0.00237	0.47

8.16.3 EVAPORATION PONDS (EP-1 thru EP-12B)

Total Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1	0.01	0.05	1	1	0.05	NE	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (June 2015)			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (June 2015)			0.000052	3.8	0.0092	NE	0.8	14	0.015	NE	0.43	0.1	0.00063	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD													
EP-4	11/12/2014	200.7/200.8	<0.02	0.11	<0.002	0.01	<0.006	1.7	<0.02	NL	0.28	<0.02	<0.0002	<0.02	0.023
	3/5/2014	200.7/200.8	0.012	0.14	<0.01	<0.03	<0.03	0.99	<0.01	NL	0.43	0.018	<0.0002	<0.01	<0.05
	10/15/2013	200.7/200.8	0.012	0.091	<0.002	0.0068	<0.006	0.38	<0.01	140	0.15	0.017	<0.0002	<0.01	0.018
	5/28/2013	200.7/200.8	0.014	0.082	<0.002	0.012	<0.006	0.58	<0.01	NL	0.18	<0.02	<0.0002	<0.01	0.015
	11/6/2012	200.7/200.8	0.011	0.061	<0.002	<0.006	<0.006	1.2	<0.005	NL	0.52	0.011	<0.0002	<0.0025	0.026
	5/29/2012	200.7/200.8	0.015	0.064	<0.002	0.006	<0.006	0.28	<0.005	NL	0.064	0.018	<0.0002	<0.0025	<0.01
	11/1/2011	200.7/200.8	0.0087	0.077	<0.002	<0.006	<0.006	1.2	<0.005	NL	0.21	0.0078	0.00022	<0.005	0.024
	5/23/2011	200.7/200.8	0.012	0.065	<0.002	0.024	<0.006	0.41	<0.005	130	0.3	<0.05	<0.0002	<0.0025	0.018
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.5	<0.025	NL	0.17	<0.25	<0.0002	<0.001	<0.1
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	0.76	<0.05	NL	0.31	<0.5	<0.0002	<.001	<0.5
	4/20/2010 ²	6010B	<0.1	0.086	<0.002	<0.006	<0.006	2	<0.005	140	0.37	<0.05	<0.0002	0.00327	<0.05
	6/17/2009	6010B	0.012	<0.1	<0.01	<0.05	<0.01	1.35	<0.05	85.2	0.22	0.013	<0.001	0.002	0.08
	12/2/2008	6010B	<0.02	0.057	NL	<0.01	<0.02	1.4	<0.005	59	0.2	0.025	<0.0002	<0.001	<0.1
	9/9/2008	6010B	<0.02	0.13	NL	<0.006	<0.006	NL	<0.005	87	0.23	<0.25	<0.0002	0.00187	0.021
EP-5	11/12/2014	200.7/200.8	0.032	0.13	<0.002	0.0077	<0.006	0.62	<0.02	NL	0.48	<0.05	<0.0002	<0.05	0.012
	3/5/2014	200.7/200.8	0.015	0.12	<0.01	<0.03	<0.03	0.6	<0.01	NL	0.55	0.016	<0.0002	<0.01	<0.05
	10/15/2013	200.7/200.8	0.013	0.09	<0.002	0.0071	<0.006	0.33	<0.01	140	0.18	0.017	<0.0002	<0.01	0.016
	5/28/2013	200.7/200.8	0.012	0.084	<0.002	0.012	<0.006	0.47	<0.01	NL	0.16	<0.02	<0.0002	<0.01	0.014
	11/6/2012	200.7/200.8	0.012	0.062	<0.002	<0.006	<0.006	0.63	<0.005	NL	0.39	0.012	<0.0002	<0.0025	0.023
	5/29/2012	200.7/200.8	0.015	0.064	<0.002	<0.006	<0.006	0.28	<0.005	NL	0.07	0.018	<0.0002	<0.0025	<0.01
	11/1/2011	200.7/200.8	0.011	0.094	<0.002	0.0085	<0.006	0.39	<0.005	NL	0.27	0.0069	<.00002	<0.005	0.01
	5/23/2011	200.7/200.8	0.018	0.083	<0.002	0.022	<0.006	0.14	<0.005	130	0.19	<0.05	<0.0002	<0.0025	0.015
	11/16/2010	6010B	<0.1	<0.1	<0.02	0.043	<0.03	0.68	<0.025	NL	0.22	<0.25	<0.0002	<0.001	<0.1
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	<0.5	<0.05	NL	0.069	<0.5	<0.002	<0.001	<0.5
	4/20/2010 ²	6010B	<0.1	0.11	<0.01	<0.03	<0.03	1.1	<0.025	180	0.45	<0.25	<0.0002	0.00571	<0.05
	6/17/2009	6010B	0.013	<0.1	<0.01	<0.05	<0.01	0.5	<0.05	116	0.27	0.009	<0.001	0.002	0.02
	12/2/2008	6010B	<0.02	0.084	NL	<0.01	<0.02	0.9	<0.005	82	0.26	0.024	<0.0002	0.001	<0.03
	9/9/2008	6010B	<0.02	0.14	<0.002	<0.006	<0.006	NL	<0.005	82	0.17	<0.25	<0.0002	0.00142	<0.02
EP-6	11/12/2014	200.7/200.8	0.034	0.15	<0.002	0.0082	<0.006	1.6	<0.02	NL	0.55	<0.05	<0.0002	<0.05	<0.02
	3/5/2014	200.7/200.8	0.015	0.12	<0.002	0.0089	<0.006	0.67	<0.01	NL	0.59	0.018	<0.0002	<0.01	0.014
	10/15/2013	200.7/200.8	<0.05	0.099	<0.002	0.0099	<0.006	0.1	<0.05	230	0.22	<0.05	<0.0002	<0.05	<0.01
	5/28/2013	200.7/200.8	0.023	0.09	<0.002	0.0088	<0.006	0.13	<0.01	NL	0.13	<0.02	<0.0002	<0.002	<0.01
	11/6/2012	200.7/200.8	0.023	0.092	<0.002	0.0076	<0.006	0.14	<0.005	NL	0.086	0.024	<0.0002	<0.0025	<0.01
	5/29/2012	200.7/200.8	0.017	0.1	<0.002	0.0093	<0.006	0.28	<0.005	NL	0.42	0.016	<0.0002	<0.0025	0.013
	11/1/2011	200.7/200.8	0.017	0.11	<0.002	0.015	<0.006	0.15	<0.005	NL	0.21	0.0089	<0.0002	<0.005	<0.01
	5/23/2011	200.7/200.8	0.02	0.12	<0.002	0.019	<0.006	0.17	<0.005	110	0.14	<0.05	<0.0002	<0.005	0.01
	11/16/2010	6010B	<0.1	0.14	<0.01	0.04	<0.03	<0.03	<0.025	NL	0.33	<0.25	<0.0002	0.001	<0.1
	8/2/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	<0.5	<0.05	NL	4.8	<0.5	<0.0002	<0.001	<0.5
	4/20/2010 ²	6010B	<0.02	0.064	<0.002	<0.006	<0.006	0.67	<0.005	0.89	0.4	<0.05	<0.0002	0.00185	<0.05
	6/17/2009	6010B	0.015	<0.1	<0.01	<0.05	<0.01	0.2	<0.05	131	0.31	0.005	<0.001	0.002	<0.01
	12/2/2008	6010B	0.024	0.12	NL	<0.01	<0.02	0.3	<0.005	130	0.48	<0.02	<0.0002	0.002	<0.03
	9/9/2008	6010B	<0.02	0.11	<0.002	<0.006	<0.006	NL	<0.005	130	0.46	<0.25	<0.0002	0.00125	<0.02

8.16.3 EVAPORATION PONDS (EP-1 thru EP-12B)

Total Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1	0.01	0.05	1	1	0.05	NE	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (June 2015)			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (June 2015)			0.000052	3.8	0.0092	NE	0.8	14	0.015	NE	0.43	0.1	0.00063	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD													
EP-7	11/12/2014	200.7/200.8	0.14	0.2	<0.01	<0.03	<0.03	0.72	<0.05	NL	1.1	<0.5	<0.0002	<0.05	<0.05
	3/5/2014	200.7/200.8	0.15	0.11	<0.01	<0.03	<0.03	0.28	<0.1	NL	2	0.12	<0.0002	<0.1	<0.05
	10/15/2013	200.7/200.8	0.14	0.099	<0.01	<0.3	<0.03	0.39	<0.05	1200	0.54	0.16	<0.0002	<0.05	<0.05
	5/28/2013	200.7/200.8	0.13	0.11	<0.1	<0.03	<0.03	0.14	<0.05	NL	3.1	0.1	<0.0002	<0.1	<0.05
	11/6/2012	200.7/200.8	0.14	0.081	<0.1	<0.03	<0.03	<0.1	<0.025	NL	0.32	<0.25	<0.0002	<0.02	<0.05
	5/29/2012	200.7/200.8	0.078	0.14	<0.002	0.014	<0.006	0.18	<0.005	NL	0.74	0.077	<0.0002	<0.02	0.011
	11/1/2011	200.7/200.8	0.049	0.098	<0.01	<0.03	<0.03	0.39	<0.025	NL	0.83	0.03	<0.0002	<0.02	<0.05
	5/23/2011	200.7/200.8	0.079	0.13	<0.01	<0.03	<0.03	0.16	<0.025	730	2.5	<0.25	<0.0002	<0.01	<0.05
	1/16/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	0.83	<0.05	NL	3.3	<0.5	<0.0002	0.003	<0.2
	8/2/2010	6010B	<1.0	<1.0	<0.1	<0.3	<0.3	<2.5	<0.25	NL	3.9	<2.5	<0.0002	NL	<2.5
	4/20/2010 ²	6010B	0.1	<0.2	<0.01	<0.03	<0.03	0.28	<0.025	620	2.7	<0.25	<0.0002	0.00225	<0.25
	6/17/2009	6010B	0.055	0.1	<0.01	<0.05	0.03	0.14	0.08	944	4.44	0.033	<0.001	0.003	<0.02
	12/2/2008	6010B	<0.01	0.14	<0.02	<0.05	<0.1	<0.5	<0.25	1000	1.8	<0.1	<0.0002	0.002	<0.15
	9/9/2008	6010B	<0.20	0.11	<0.02	<0.006	<0.006	NL	<0.05	960	5.8	<0.5	<0.0002	0.00103	<0.02
EP-8	11/12/2014	200.7/200.8	0.14	0.2	<0.01	<0.03	<0.03	0.57	<0.05	NL	1.2	<0.5	<0.0002	<0.05	<0.05
	3/5/2014	200.7/200.8	0.12	0.12	<0.01	<0.03	<0.03	0.28	<0.1	NL	2.2	<0.1	<0.0002	<0.1	<0.05
	10/15/2013	200.7/200.8	0.35	0.24	<0.02	<0.06	<0.06	0.23	<0.1	3500	18	0.3	<0.0002	<0.1	<0.1
	5/28/2013	200.7/200.8	0.12	0.13	<0.01	<0.03	<0.03	0.16	<0.02	NL	4	<0.1	<0.001	<0.01	<0.05
	11/6/2012	200.7/200.8	0.5	0.23	<0.04	<0.12	<0.12	<0.2	<0.1	NL	34	<2.5	<0.0002	<0.05	<0.2
	5/29/2012	200.7/200.8	0.15	0.17	<0.002	0.018	0.0071	0.5	<0.005	NL	8.6	0.12	<0.0002	<0.02	0.025
	11/1/2011	200.7/200.8	0.047	0.13	<0.002	0.017	<0.006	0.17	<0.005	NL	1.5	0.026	<0.0002	<0.005	0.012
	5/23/2011	200.7/200.8	0.42	0.23	<0.01	<0.03	<0.06	0.41	<0.025	3300	20	<0.25	<0.0002	<0.0025	0.1
	11/16/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	<1.0	<0.025	NL	<1.0	<1.0	<0.0002	0.003	<0.4
	8/2/2010	6010B	<1.0	<1.0	<0.1	<0.3	<0.3	<2.5	<0.25	NL	24	<2.5	<0.0002	NL	<2.5
	4/20/2010 ²	6010B	0.17	0.13	<0.01	<0.03	<0.03	0.62	<0.025	1500	9.6	<0.25	<0.0002	0.00227	<0.25
	6/17/2009	6010B	0.384	0.2	<0.01	<0.05	0.27	0.3	<0.05	4050	28	0.224	<0.001	0.004	0.13
	12/2/2008	6010B	0.13	0.15	<0.01	<0.05	<0.1	<0.5	<0.025	1400	5.5	<0.1	<0.001	0.002	<0.15
	9/9/2008	6010B	<0.1	0.12	<0.01	<0.03	<0.03	NL	<0.025	43	2.4	<0.25	<0.001	0.00148	<0.01
EP-9 ²	11/12/2014	200.7/200.8	0.2	0.25	<0.01	<0.03	<0.03	0.19	<0.05	NL	0.25	<1	<0.0002	<0.05	<0.1
	3/5/2014	200.7/200.8	0.12	0.18	<0.01	<0.03	<0.03	0.26	<0.1	NL	2.7	0.15	<0.0002	<0.1	<0.05
	10/15/2013	200.7/200.8	<0.1	0.18	<0.01	<0.03	<0.03	0.1	<0.05	1200	3.3	0.11	<0.0002	<0.05	<0.05
	5/28/2013	200.7/200.8	0.095	0.2	<0.01	<0.03	<0.03	<0.1	<0.05	NL	3.4	<0.1	<0.0002	<0.01	<0.05
	11/6/2012	200.7/200.8	0.055	0.15	<0.01	<0.03	<0.03	0.13	<0.025	NL	0.94	<0.25	<0.0002	<0.01	<0.05
	5/29/2012	200.7/200.8	0.081	0.17	<0.002	0.0096	<0.006	0.11	<0.005	NL	4.7	0.074	<0.0002	<0.02	0.014
	11/1/2011	200.7/200.8	0.087	0.2	<0.01	<0.03	<0.03	0.037	<0.025	NL	1.9	0.051	<0.0002	<0.02	<0.05
	5/23/2011	200.7/200.8	0.1	0.2	<0.01	<0.03	<0.03	0.18	<0.025	970	7.4	<0.25	<0.0002	<0.01	<0.05
	11/16/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	<1.0	<0.1	NL	6.7	<1.0	<0.0002	0.003	<0.4
	4/20/2010 ²	6010B	<0.1	0.14	<0.01	<0.03	<0.03	0.62	<0.025	790	29	<0.25	<0.0002	0.0022	<0.25

8.16.3 EVAPORATION PONDS (EP-1 thru EP-12B)

Total Metals Analytical Result Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1	0.01	0.05	1	1	0.05	NE	0.2	0.05	0.002	0.03	10
40 CFR 141.62 MCL (June 2015)			0.01	2	0.005	0.1	1.3	NE	0.015	NE	NE	0.05	0.002	0.03	NE
EPA RSL for Tap Water (June 2015)			0.000052	3.8	0.0092	NE	0.8	14	0.015	NE	0.43	0.1	0.00063	0.06	6
SAMPLE ID	DATE SAMPLED	METHOD													
EP-11 ²	11/12/2014	200.7/200.8	0.14	0.16	<0.01	<0.03	<0.03	0.38	<0.05	NL	1.2	<0.5	<0.0002	<0.05	<0.05
	3/5/2014	200.7/200.8	0.042	0.081	<0.002	0.013	<0.006	0.79	<0.01	NL	0.99	0.041	<0.0002	<0.01	0.019
	10/15/2013	200.7/200.8	<0.05	0.072	<0.002	0.011	<0.006	0.42	<0.05	240	0.41	<0.05	<0.0002	<0.05	<0.01
	5/28/2013	200.7/200.8	0.042	0.064	<0.002	0.01	<0.006	0.12	<0.01	NL	0.44	<0.05	<0.0002	<0.005	<0.01
	11/6/2012	200.7/200.8	0.017	0.051	<0.002	0.0065	<0.006	0.99	<0.005	NL	0.35	0.014	<0.0002	<0.0025	0.024
	5/29/2012	200.7/200.8	0.028	0.086	<0.002	0.0099	<0.006	0.48	<0.005	NL	0.8	0.017	<0.0002	<0.0025	0.014
	11/1/2011	200.7/200.8	0.0083	0.071	<0.002	<0.006	<0.006	1.2	<0.005	NL	0.19	0.0084	<0.0002	<0.005	0.021
	5/23/2011	200.7/200.8	0.061	0.085	<0.01	<0.03	<0.03	0.22	<0.025	340	0.9	<0.25	<0.0002	<0.01	<0.05
	11/16/2010	6010B	<0.1	0.14	<0.01	0.35	<0.03	1.3	<0.025	NL	0.88	<0.25	<0.0002	0.002	<0.1
	4/20/2010 ²	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.42	<0.025	420	1.6	<0.25	<0.0002	0.00197	<0.25
EP-12A ²	11/12/2014	200.7/200.8	<0.05	0.14	<0.002	0.018	<0.006	4.1	<0.05	NL	0.44	<0.05	<0.0002	<0.05	0.019
	3/5/2014	200.7/200.8	0.019	0.059	<0.002	0.014	<0.006	1.9	<0.01	NL	0.95	0.02	<0.0002	<0.01	0.021
	10/15/2013	200.7/200.8	<0.05	0.072	<0.002	0.011	<0.006	0.65	<0.05	45	0.38	<0.05	<0.0002	<0.05	0.016
	5/28/2013	200.7/200.8	0.018	0.054	<0.002	0.012	<0.006	0.67	<0.01	NL	0.23	<0.02	<0.0002	<0.01	0.015
	11/6/2012	200.7/200.8	0.015	0.053	<0.002	<0.006	<0.006	0.86	<0.005	NL	0.32	0.013	<0.0002	<0.0025	0.02
	5/29/2012	200.7/200.8	0.025	0.083	<0.002	0.0097	<0.006	0.52	<0.005	NL	0.75	0.017	<0.0002	<0.0025	0.016
	11/1/2011	200.7/200.8	0.0085	0.065	<0.002	0.0067	<0.006	1.9	<0.005	NL	0.14	0.0063	0.00035	<0.005	0.04
	5/23/2011	200.7/200.8	0.024	0.061	<0.002	0.02	<0.006	0.22	<0.005	120	0.32	<0.05	<0.0002	<0.0025	0.016
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	1.1	<0.025	NL	0.4	<0.25	<0.0002	0.002	<0.1
	4/20/2010 ²	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.92	<0.025	110	0.28	<0.25	<0.0002	0.00175	<0.25
EP-12B ²	11/12/2014	200.7/200.8	<0.05	0.087	<0.002	0.011	<0.006	1.4	<0.05	NL	0.27	<0.05	<0.0002	<0.05	0.019
	3/5/2014	200.7/200.8	0.014	0.08	<0.002	0.013	<0.006	1.2	<0.01	NL	0.55	0.014	<0.0002	<0.01	0.014
	10/15/2013	200.7/200.8	0.011	0.08	<0.002	0.0076	<0.006	0.38	<0.01	31	0.2	0.012	<0.0002	<0.01	0.023
	5/28/2013	200.7/200.8	0.013	0.049	<0.002	0.013	<0.006	1.3	<0.01	NL	0.25	<0.02	<0.0002	<0.01	0.025
	11/6/2012	200.7/200.8	0.0092	0.04	<0.002	0.0069	<0.006	1.6	<0.005	NL	0.47	0.0089	0.00042	<0.0025	0.031
	5/29/2012	200.7/200.8	0.016	0.072	<0.002	<0.006	<0.006	0.32	<0.005	NL	0.12	0.017	<0.0002	<0.0025	<0.01
	11/1/2011	200.7/200.8	0.0076	0.063	<0.002	0.0073	<0.006	2.4	<0.005	NL	0.13	0.006	0.00055	<0.005	0.059
	5/23/2011	200.7/200.8	0.016	0.05	<0.002	0.022	<0.006	0.59	<0.005	110	0.29	<0.05	<0.0002	<0.0025	0.02
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.84	<0.025	NL	0.15	<0.25	<0.0002	<0.001	<0.25
	4/20/2010 ²	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	4.2	<0.025	83	0.35	<0.25	<0.0002	0.00291	<0.25

DEFINITIONS

NE = Not established

NA = Not analyzed

NL = Not listed on laboratory analysis

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

1) National Secondary Drinking Water Regulation (May 2009); Action Level

EPA Regional Screening Level (RSL) Summary Table

NOTES

2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines for the first quarter of 2010 which included the addition of evaporation ponds 9, 11, 12A and 12B.

8.16.4 EVAPORATION PONDS (EP-1 thru EP-12B)
Dissolved Metals Analytical Result Summary

			Parameters											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
SAMPLE ID	DATE SAMPLED	METHOD												
EP-1	11/12/2014	200.7/200.8	0.041	0.12	<0.01	0.036	<0.03	1.2	<0.01	0.66	0.013	<0.025	<0.01	0.058
	3/5/2014	200.7/200.8	<0.01	0.13	<0.002	0.018	<0.006	0.78	<0.01	0.53	<0.01	<0.005	<0.01	0.021
	10/15/2013	200.7/200.8	0.01	0.1	<0.002	0.017	<0.006	0.42	<0.005	0.45	<0.01	<0.05	<0.01	0.017
	5/28/2013	200.7/200.8	<0.01	0.061	<0.01	<0.03	<0.03	0.25	<0.01	0.43	<0.01	<0.025	<0.01	<0.05
	11/6/2012	200.7/200.8	0.0088	0.034	<0.002	0.0073	<0.006	2.2	<0.005	0.66	0.0072	<0.005	0.0011	0.099
	5/29/2012	200.7/200.8	0.0084	0.046	<0.002	<0.006	<0.006	0.76	<0.005	0.15	0.011	<0.005	<0.005	0.074
	11/1/2011	200.7/200.8	0.0047	0.012	<0.002	<0.006	<0.006	1	<0.005	0.12	0.015	<0.005	<0.002	0.059
	5/23/2011	200.7/200.8	<0.01	0.014	<0.01	0.047	<0.03	15	<0.025	0.34	<0.25	<0.025	<0.005	0.13
	11/16/2010	6010B	<0.1	<0.1	<0.1	<0.03	<0.03	4.3	<0.025	0.15	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.02	0.072	<0.002	0.013	<0.006	2.5	<0.005	0.36	<0.05	<0.025	<0.001	0.096
4/20/2010 ²	6010B	<0.02	0.085	<0.002	0.019	0.0091	29	<0.005	0.24	0.066	<0.005	0.00442	0.28	
EP-2	11/12/2014	200.7/200.8	0.011	0.076	<0.002	0.0099	<0.006	1.4	<0.01	0.21	<0.01	<0.005	<0.01	0.056
	3/5/2014	200.7/200.8	<0.01	0.13	<0.002	0.016	<0.006	0.72	<0.01	0.38	0.042	<0.005	<0.01	0.01
	10/15/2013	200.7/200.8	<0.01	0.085	<0.002	0.0071	<0.006	0.27	<0.005	0.19	0.011	<0.005	<0.01	0.017
	5/28/2013	200.7/200.8	0.012	0.059	<0.01	<0.03	<0.03	3.2	<0.01	0.48	0.024	<0.025	<0.01	0.092
	11/6/2012	200.7/200.8	0.01	0.034	<0.002	0.012	<0.006	1.2	<0.005	0.36	0.0041	<0.005	<0.001	0.045
	5/29/2012	200.7/200.8	0.011	0.06	<0.002	<0.006	<0.006	0.46	<0.005	0.15	0.011	<0.005	<0.005	0.024
	11/1/2011	200.7/200.8	0.0058	0.042	<0.002	0.0065	<0.006	1.1	<0.005	0.11	0.0057	<0.005	<0.002	0.044
	5/23/2011	200.7/200.8	0.014	0.026	<0.01	<0.03	<0.03	1.7	<0.025	0.33	<0.25	<0.025	<0.005	<0.05
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.71	<0.025	0.18	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	2.2	<0.025	0.27	<0.25	<0.025	<0.001	<0.25
4/20/2010 ²	6010B	<0.02	0.057	<0.002	0.013	<0.006	9.7	<0.005	0.34	<0.25	<0.005	0.0046	0.12	
EP-3	11/12/2014	200.7/200.8	0.012	0.1	<0.002	0.0091	<0.006	1.6	<0.01	0.23	<0.01	<0.005	<0.01	0.016
	3/5/2014	200.7/200.8	<0.01	0.13	<0.002	0.013	<0.006	0.65	<0.01	0.41	0.021	<0.005	<0.01	<0.01
	10/15/2013	200.7/200.8	0.01	0.085	<0.002	0.0073	<0.006	0.2	<0.005	0.15	0.015	<0.05	<0.01	0.012
	5/28/2013	200.7/200.8	0.011	0.088	<0.01	<0.03	<0.03	0.41	<0.01	0.26	0.013	<0.025	<0.01	0.072
	11/6/2012	200.7/200.8	0.0081	0.04	<0.002	0.0065	<0.006	1	<0.005	0.52	0.0053	<0.005	0.0014	0.076
	5/29/2012	200.7/200.8	0.014	0.076	<0.002	<0.006	<0.006	0.22	<0.005	0.1	0.022	<0.005	<0.01	0.033
	11/1/2011	200.7/200.8	0.0066	0.053	<0.002	<0.006	<0.006	1.3	<0.005	0.12	0.0056	<0.005	<0.005	0.03
	5/23/2011	200.7/200.8	0.014	0.033	<0.002	0.024	<0.006	1.5	<0.005	0.34	<0.05	<0.005	<0.005	0.033
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.24	<0.025	0.15	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.1	0.12	<0.002	0.0093	<0.006	1.8	<0.005	0.37	<0.05	<0.005	<0.001	<0.05
4/20/2010 ²	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.88	<0.025	0.42	<0.25	<0.005	0.00258	<0.25	
EP-4	11/12/2014	200.7/200.8	0.012	0.11	<0.002	0.01	<0.006	1.3	0.0013	0.27	0.011	<0.005	0.0039	0.017
	3/5/2014	200.7/200.8	<0.01	0.13	<0.002	0.012	<0.006	0.58	<0.01	0.43	0.021	<0.005	<0.01	<0.01
	10/15/2013	200.7/200.8	0.012	0.084	<0.002	<0.006	<0.006	0.26	<0.005	0.15	0.017	<0.05	<0.01	0.013
	5/28/2013	200.7/200.8	0.013	0.085	<0.01	<0.03	<0.03	0.31	<0.01	0.19	0.019	<0.025	<0.01	<0.05
	11/6/2012	200.7/200.8	0.0076	0.068	<0.002	<0.006	<0.006	0.29	<0.005	0.59	<0.01	<0.005	<0.001	0.13
	5/29/2012	200.7/200.8	0.017	0.06	<0.002	0.0067	<0.006	0.2	<0.005	0.061	0.024	<0.005	<0.005	0.036
	11/1/2011	200.7/200.8	0.0086	0.073	<0.002	<0.006	<0.006	0.78	<0.005	0.2	0.0084	<0.005	<0.005	0.022
	5/23/2011	200.7/200.8	0.017	0.067	<0.002	0.024	<0.006	0.19	<0.005	0.33	<0.05	<0.005	<0.005	0.019
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.22	<0.025	0.14	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	1	<0.025	0.33	<0.25	<0.025	0.002	<0.25
4/20/2010 ²	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.95	<0.025	0.41	<0.25	<0.005	0.00292	<0.25	

8.16.4 EVAPORATION PONDS (EP-1 thru EP-12B)
Dissolved Metals Analytical Result Summary

			Parameters											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
SAMPLE ID	DATE SAMPLED	METHOD												
EP-5	11/12/2014	200.7/200.8	0.025	0.13	<0.002	0.0089	<0.006	0.24	<0.02	0.48	<0.02	<0.005	<0.02	<0.01
	3/5/2014	200.7/200.8	0.012	0.1	<0.01	<0.03	<0.03	0.46	<0.01	0.55	0.021	<0.025	<0.01	<0.05
	10/15/2013	200.7/200.8	0.013	0.089	<0.002	0.0079	<0.006	0.27	<0.005	0.18	0.018	<0.05	<0.01	0.012
	5/28/2013	200.7/200.8	0.013	0.085	<0.01	<0.03	<0.03	0.28	<0.01	0.16	0.019	<0.025	<0.1	<0.05
	11/6/2012	200.7/200.8	0.0075	0.07	<0.002	<0.006	<0.006	0.25	<0.005	0.45	<0.05	<0.005	<0.001	0.034
	5/29/2012	200.7/200.8	0.017	0.059	<0.002	0.0069	<0.006	0.19	<0.005	0.065	0.023	<0.005	<0.01	0.023
	11/1/2011	200.7/200.8	0.0098	0.085	<0.002	0.007	<0.006	0.3	<0.005	0.24	0.0075	<0.005	<0.005	<0.1
	5/23/2011	200.7/200.8	0.018	0.086	<0.002	0.023	<0.006	0.049	<0.005	0.21	<0.05	<0.005	<0.005	0.015
	11/16/2010	6010B	<0.1	<0.1	<0.01	0.031	<0.03	0.37	<0.025	0.19	<0.25	<0.025	<0.001	<0.25
	8/2/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.42	<0.025	0.3	<0.25	<0.025	0.003	<0.25
	4/20/2010 ²	6010B	<0.1	0.12	<0.01	<0.03	<0.03	0.71	<0.025	0.49	<0.25	<0.005	0.00271	<0.25
EP-6	11/12/2014	200.7/200.8	0.027	0.14	<0.01	<0.03	<0.03	0.2	<0.02	0.53	0.025	<0.025	<0.02	<0.05
	3/5/2014	200.7/200.8	0.015	0.11	<0.002	0.0091	<0.006	0.45	<0.01	0.6	0.024	<0.005	<0.01	0.011
	10/15/2013	200.7/200.8	<0.05	0.098	<0.002	0.0086	<0.006	0.077	<0.005	0.22	<0.05	<0.05	<0.05	<0.01
	5/28/2013	200.7/200.8	0.021	0.096	<0.01	<0.03	<0.03	<0.1	<0.01	0.15	0.02	<0.025	<0.01	0.069
	11/6/2012	200.7/200.8	0.022	0.11	<0.02	<0.06	<0.06	0.053	<0.05	0.1	0.014	<0.05	<0.005	<0.1
	5/29/2012	200.7/200.8	0.02	0.094	<0.002	0.011	<0.006	0.11	<0.005	0.41	0.017	<0.005	<0.01	0.019
	11/1/2011	200.7/200.8	0.02	0.11	<0.002	0.014	<0.006	0.076	<0.005	0.19	0.011	<0.005	<0.01	0.011
	5/23/2011	200.7/200.8	0.016	0.11	<0.01	<0.03	<0.03	0.13	<0.025	0.13	<0.25	<0.025	<0.005	<0.05
	11/16/2010	6010B	<0.1	0.12	<0.01	<0.03	<0.03	0.18	<0.025	0.3	<0.25	<0.025	0.001	<0.25
	8/2/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.033	<0.025	0.045	<0.25	<0.025	0.002	<0.25
	4/20/2010 ²	6010B	<0.02	0.068	<0.002	<0.006	<0.006	0.38	<0.005	0.43	<0.05	<0.005	0.00169	0.5
EP-7	11/12/2014	200.7/200.8	0.11	0.19	<0.01	<0.03	<0.03	0.35	<0.02	0.8	<0.2	<0.025	<0.02	<0.05
	3/5/2014	200.7/200.8	0.11	0.11	<0.01	<0.03	<0.03	0.15	<0.1	2.1	0.13	<0.025	<0.1	<0.05
	10/15/2013	200.7/200.8	0.13	0.096	<0.01	<0.03	<0.03	<0.1	<0.025	0.38	0.19	<0.025	<0.05	<0.05
	5/28/2013	200.7/200.8	0.11	0.11	<0.01	<0.03	<0.03	<0.1	<0.02	2.9	0.11	<0.025	<0.02	<0.05
	11/6/2012	200.7/200.8	0.12	0.14	<0.02	<0.06	<0.06	<0.2	<0.05	0.72	<0.5	<0.05	<0.02	<0.1
	5/29/2012	200.7/200.8	0.081	0.14	<0.02	<0.06	<0.06	<0.2	<0.05	0.74	0.086	<0.05	<0.02	<0.1
	11/1/2011	200.7/200.8	<0.05	0.09	<0.01	<0.03	<0.03	<0.1	<0.025	0.6	<0.05	<0.025	<0.05	<0.05
	5/23/2011	200.7/200.8	0.068	0.13	<0.01	<0.03	<0.03	<0.1	<0.025	1.9	<0.25	<0.025	<0.01	<0.05
	11/16/2010	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	0.19	<0.05	2.3	<0.5	<0.05	0.003	<0.5
	8/2/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	<0.2	<0.1	3.4	<1.0	<0.1	0.003	<1.0
	4/20/2010 ²	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	<0.1	<0.025	2.5	<0.25	<0.025	0.00228	<0.25
EP-8	11/12/2014	200.7/200.8	0.11	0.17	<0.01	<0.03	<0.03	0.23	<0.02	0.77	<0.2	<0.025	<0.02	<0.05
	3/5/2014	200.7/200.8	0.11	0.11	<0.01	<0.03	<0.03	0.14	<0.1	2.1	0.12	<0.025	<0.1	<0.05
	10/15/2013	200.7/200.8	0.37	0.22	<0.01	0.039	<0.03	<0.1	0.064	18	0.47	<0.1	<0.05	<0.05
	5/28/2013	200.7/200.8	0.11	0.12	<0.01	<0.03	<0.03	<0.1	<0.02	3	0.088	<0.025	<0.02	<0.05
	11/6/2012	200.7/200.8	0.47	0.26	<0.04	<0.12	<0.12	<0.4	<0.1	36	<1.0	<0.1	0.0011	<0.2
	5/29/2012	200.7/200.8	0.16	0.18	<0.02	<0.06	<0.06	<0.2	<0.05	7.3	0.13	<0.05	<0.02	<0.1
	11/1/2011	200.7/200.8	0.05	0.13	<0.01	<0.03	<0.03	<0.1	<0.025	1.1	0.03	<0.025	<0.02	<0.05
	5/23/2011	200.7/200.8	0.38	0.25	<0.02	<0.06	<0.06	<0.1	<0.05	20	<0.5	<0.05	<0.05	<0.1
	11/16/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	0.11	<0.1	9.1	<1.0	<0.1	0.003	1
	8/2/2010	6010B	0.77	<0.4	<0.04	<0.12	<0.12	<0.2	<0.1	22	<1.0	<0.1	0.001	1
	4/20/2010 ²	6010B	<0.2	<0.2	<0.02	<0.06	<0.06	0.26	<0.05	10	<0.05	<0.05	0.00166	<0.5

8.16.4 EVAPORATION PONDS (EP-1 thru EP-12B)
Dissolved Metals Analytical Result Summary

			Parameters											
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Selenium (mg/L)	Silver (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	0.05	0.05	0.03	10.0
SAMPLE ID	DATE SAMPLED	METHOD												
EP-9 ²	11/12/2014	200.7/200.8	0.16	0.25	<0.01	<0.03	<0.03	<0.1	<0.05	0.18	<0.5	<0.025	<0.05	0.051
	3/5/2014	200.7/200.8	0.1	0.19	<0.01	<0.03	<0.03	0.14	<0.1	2.8	0.13	<0.025	<0.1	<0.05
	10/15/2013	200.7/200.8	0.1	0.19	<0.01	<0.03	<0.03	<0.1	<0.025	3.3	0.15	<0.025	<0.05	<0.05
	5/28/2013	200.7/200.8	0.07	0.19	<0.01	<0.03	<0.03	<0.01	<0.02	3	0.091	<0.05	<0.02	<0.05
	11/6/2012	200.7/200.8	0.048	0.17	<0.02	<0.06	<0.06	<0.2	<0.05	0.92	<0.5	<0.05	<0.01	<0.1
	5/29/2011	200.7/200.8	0.086	0.18	<0.02	<0.06	<0.06	<0.2	<0.05	4.8	0.084	<0.05	<0.02	<0.1
	11/1/2011	200.7/200.8	0.089	0.2	<0.01	<0.03	<0.03	<0.1	<0.025	1.3	0.057	<0.025	<0.05	<0.05
	5/23/2011	200.7/200.8	0.083	0.21	<0.01	<0.03	<0.03	<0.1	<0.025	6.8	<0.25	<0.025	<0.02	<0.05
	11/16/2010	6010B	<0.4	<0.4	<0.04	<0.12	<0.12	<0.4	<0.1	5.3	<1.0	<0.1	0.003	<1.0
	4/20/2010 ²	6010B	<0.2	0.14	<0.01	<0.03	<0.03	0.17	<0.025	2.6	<0.25	<0.025	0.00221	<0.25
EP-11 ²	11/12/2014	200.7/200.8	0.1	0.16	<0.01	<0.03	<0.03	0.31	<0.02	1	<0.5	<0.025	<0.05	0.061
	3/5/2014	200.7/200.8	0.04	0.074	<0.002	0.011	<0.006	0.48	<0.01	0.99	0.039	<0.025	<0.01	0.013
	10/15/2013	200.7/200.8	<0.05	0.067	<0.002	0.0096	<0.006	0.21	<0.005	0.41	<0.05	<0.05	<0.05	<0.01
	5/28/2013	200.7/200.8	0.04	0.068	<0.01	<0.03	<0.03	<0.1	<0.01	0.48	0.022	<0.025	<0.01	<0.05
	11/6/2012	200.7/200.8	0.013	0.056	<0.002	<0.006	<0.006	0.79	<0.005	0.4	0.011	<0.005	0.0012	0.043
	5/29/2011	200.7/200.8	0.03	0.081	<0.002	0.011	<0.006	0.16	<0.005	0.78	0.019	<0.005	<0.01	0.023
	11/1/2011	200.7/200.8	0.008	0.068	<0.002	<0.006	<0.006	0.89	<0.005	0.19	0.0079	<0.005	<0.005	0.015
	5/23/2011	200.7/200.8	0.055	0.087	<0.01	<0.03	<0.03	0.066	<0.025	0.89	<0.25	<0.025	<0.01	<0.05
	11/16/2010	6010B	<0.1	0.12	<0.01	<0.03	<0.03	0.48	<0.025	0.64	<0.25	<0.025	0.002	<0.25
	4/20/2010 ²	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.15	<0.025	1.6	<0.25	<0.025	0.00211	<0.25
EP-12A ²	11/12/2014	200.7/200.8	0.021	0.11	<0.02	<0.06	<0.06	2.2	<0.02	0.43	<0.02	<0.05	<0.02	<0.1
	3/5/2014	200.7/200.8	0.016	0.055	<0.002	0.011	<0.006	1.4	<0.01	1	0.017	<0.005	<0.01	0.015
	10/15/2013	200.7/200.8	<0.05	0.066	<0.002	0.0098	<0.006	0.53	<0.005	0.37	<0.05	<0.025	<0.05	0.013
	5/28/2013	200.7/200.8	0.015	0.057	<0.01	<0.03	<0.03	0.49	<0.01	0.25	0.018	<0.025	<0.01	0.069
	11/6/2012	200.7/200.8	0.012	0.057	<0.002	<0.006	<0.006	0.7	<0.005	0.38	0.01	<0.005	0.0012	0.05
	5/29/2012	200.7/200.8	0.026	0.075	<0.002	0.011	<0.006	0.16	<0.005	0.73	0.018	<0.005	<0.01	0.08
	11/1/2011	200.7/200.8	0.0072	0.058	<0.002	<0.006	<0.006	1	<0.005	0.13	0.0059	<0.005	<0.005	0.022
	5/23/2011	200.7/200.8	0.025	0.063	<0.002	0.021	<0.006	0.098	<0.005	0.31	<0.05	<0.005	<0.005	0.017
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.4	<0.025	0.27	<0.25	<0.025	0.002	<0.25
	4/20/2010 ²	6010B	<0.2	0.074	<0.002	<0.006	<0.006	0.55	<0.005	0.28	<0.05	<0.005	0.00166	<0.05
EP-12B ²	11/12/2014	200.7/200.8	<0.02	0.076	<0.002	0.01	<0.006	1.3	<0.02	0.24	<0.02	<0.005	<0.02	0.023
	3/5/2014	200.7/200.8	0.012	0.073	<0.002	0.013	<0.006	0.61	<0.01	0.57	0.017	<0.005	<0.01	<0.01
	10/15/2013	200.7/200.8	<0.05	0.074	<0.002	0.0083	<0.006	0.26	<0.005	0.2	<0.05	<0.005	<0.05	0.016
	5/28/2013	200.7/200.8	<0.01	0.052	<0.01	<0.03	<0.03	0.78	<0.01	0.27	0.014	<0.025	<0.01	<0.05
	11/6/2012	200.7/200.8	0.013	0.042	<0.002	0.0068	<0.006	1.1	<0.005	0.52	0.012	<0.005	0.0082	0.072
	5/29/2012	200.7/200.8	0.019	0.067	<0.002	0.0071	<0.006	0.18	<0.005	0.11	0.024	<0.005	<0.01	0.015
	11/1/2011	200.7/200.8	0.0065	0.055	<0.002	<0.006	<0.006	0.98	<0.005	0.12	0.0058	<0.005	<0.005	0.024
	5/23/2011	200.7/200.8	0.015	0.05	<0.002	0.022	<0.006	0.27	<0.005	0.27	<0.05	<0.005	<0.005	0.019
	11/16/2010	6010B	<0.1	<0.1	<0.01	<0.03	<0.03	0.84	<0.025	0.15	<0.25	<0.025	<0.001	<0.25
	4/20/2010 ²	6010B	<0.2	0.064	<0.002	<0.006	<0.006	1.8	<0.005	0.35	<0.05	<0.005	0.00297	<0.05

DEFINITIONS

NE = Not established
NA = Not analyzed
NL = Not listed on laboratory analysis

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

1) National Secondary Drinking Water Regulation (May 2009); Action Level

EPA Regional Screening Level (RSL) Summary Table

NOTES:

2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines for the first quarter of 2010 which included the addition of evaporation ponds 9, 11, 12A and 12B.

8.16.5 EVAPORATION PONDS (EP-1 thru EP-12B)
Volatile Organic Compound Analytical Result Summary

			Parameters										
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	Acetone (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Butanone (mg/L)	Carbon disulfide (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)	n-Butyl benzene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	0.01	NE	NE
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE	NE	NE	NE	NE	0.08	NE	NE
EPA RSL for Tap Water (June 2015)			0.015	0.12	0.00165 ¹	14.1 ¹	0.0011	0.036	5.56 ¹	0.81 ¹	0.00022	0.0203 ¹	1
SAMPLE ID	DATE SAMPLED	METHOD											
EP-1	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.41	<0.04	<0.04	<0.1	0.32	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	0.61	<0.04	<0.04	0.11	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	1.4	<0.04	<0.04	0.18	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	1.8	<0.04	<0.04	0.2	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	0.016	<0.005	0.016	0.73	0.044	0.07	0.086	<0.05	<0.005	<0.005	<0.005
	4/20/2010	8260B	0.0055	0.0018	0.011	1.7	0.027	0.045	0.1	<0.01	<0.01	<0.01	<0.01
	6/17/2009	8260B	0.023	0.0074	0.012	0.46	0.054	0.054	<0.05	<0.05	<0.005	<0.005	<0.005
	12/2/2008	8260B	0.13	0.046	0.074	1	0.14	0.22	0.094	<0.05	<0.005	<0.005	0.021
	9/9/2008	8260B	0.027	0.0095	0.033	1.6	0.062	0.088	0.15	0.039	<0.001	<0.001	0.0087
	6/17/2008	8260B	0.017	0.0044	0.031	1.6	0.072	0.3	0.19	0.011	<0.005	<0.005	0.0055
	3/11/2008	8260B	0.038	0.11	0.2	1.4	0.28	0.39	0.16	<0.05	<0.005	<0.005	0.046
EP-2	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	0.67	<0.04	<0.04	<0.1	0.11	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	0.6	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	4.6	<0.04	<0.04	0.47	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	2.4	<0.04	<0.04	0.38	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	0.43	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.51	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.12	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.005	<0.0058	<0.01	0.27	<0.02	<0.02	<0.05	<0.05	<0.005	<0.005	<0.005
	4/20/2010	8260B	4.6E-03	0.0014	0.01	0.15	0.032	0.052	<0.01	0.021	<0.01	<0.01	<0.01
	6/17/2009	8260B	0.026	0.0085	0.012	0.56	0.078	0.078	0.05	0.057	<0.005	<0.005	0.0054
	12/2/2008	8260B	0.028	0.0097	0.016	0.65	0.037	0.053	0.072	0.026	<0.005	<0.005	0.0041
	9/9/2008	8260B	6.4E-03	0.0021	0.0064	0.36	0.016	0.023	0.035	0.025	<0.001	<0.001	0.0025
	6/17/2008	8260B	0.015	<0.01	0.014	0.64	0.033	0.05	0.08	<0.001	<0.001	<0.001	0.009
	3/11/2008	8260B	0.012	0.0032	0.02	1.7	0.034	0.049	0.12	0.018	<0.001	<0.001	0.0014
EP-3	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	0.3	<0.04	<0.04	<0.1	0.14	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	0.16	<0.04	<0.04	<0.1	<0.01	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	0.2	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.24	<0.04	<0.04	<0.1	0.38	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	0.21	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.11	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.13	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.005	<0.005	<0.1	0.22	<0.02	<0.02	<0.05	<0.05	<0.005	<0.005	<0.005
	4/20/2010	8260B	<0.001	<0.001	0.0023	0.21	0.0076	0.012	0.014	0.043	<0.001	<0.001	<0.001
	6/17/2009	8260B	1.8E-03	<0.01	<0.01	0.047	0.0063	0.0061	<0.01	<0.01	<0.001	<0.001	<0.001
	12/2/2008	8260B	0.018	0.0065	0.011	0.67	0.024	0.035	0.064	0.028	<0.001	<0.001	0.0024
	9/9/2008	8260B	<0.01	<0.01	<0.02	0.11	<0.04	<0.04	<1.0	<1.0	<0.1	<0.1	<0.1
	6/17/2008	8260B	0.002	<0.01	0.003	0.16	0.015	0.023	0.018	0.01	<0.1	<0.1	<0.1
	3/11/2008	8260B	4.3E-03	0.001	0.0087	0.92	0.02	0.028	0.064	0.045	<0.001	<0.001	<0.001

8.16.5 EVAPORATION PONDS (EP-1 thru EP-12B)
Volatile Organic Compound Analytical Result Summary

			Parameters										
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	Acetone (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Butanone (mg/L)	Carbon disulfide (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)	n-Butyl benzene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	0.01	NE	NE
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE	NE	NE	NE	NE	0.08	NE	NE
EPA RSL for Tap Water (June 2015)			0.015	0.12	0.00165 ¹	14.1 ¹	0.0011	0.036	5.56 ¹	0.81 ¹	0.00022	0.0203 ¹	1
SAMPLE ID	DATE SAMPLED	METHOD											
EP-4	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	0.31	<0.04	<0.04	<0.1	0.15	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	0.12	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	0.12	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.13	<0.04	<0.04	<0.1	0.78	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.11	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	0.12	<0.04	<0.04	<0.1	0.14	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.1	<0.004	<0.004	0.011	<0.01	<0.001	<0.001	<0.001
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.19	0.005	0.0073	0.014	0.041	<0.001	<0.001	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.02	0.04	<0.04	<0.04	<0.01	<0.01	<0.001	<0.001	<0.001
	12/2/2008	8260B	0.013	0.0048	0.0075	0.6	0.014	0.021	0.043	0.034	<0.001	<0.001	0.0023
	9/9/2008	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	6/17/2008	8260B	<0.01	<0.01	<0.02	0.059	<0.04	<0.04	<0.1	0.05	<0.01	<0.01	<0.01
	3/11/2008	8260B	2.8E-03	<0.01	0.0066	0.8	0.015	0.022	0.042	0.063	<0.001	<0.001	<0.001
EP-5	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	0.28	<0.04	<0.04	<0.1	0.12	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	0.11	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	1.3	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.15	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.045	<0.004	<0.004	<0.1	<0.1	<0.01	<0.01	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.13	<0.004	0.0046	0.011	0.047	<0.001	<0.001	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.02	0.031	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	12/2/2008	8260B	0.048	0.019	0.0025	0.2	0.0061	0.0089	0.016	0.015	<0.01	<0.01	0.0011
	9/9/2008	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	6/17/2008	8260B	<0.01	<0.01	<0.02	0.046	<0.04	<0.04	<0.1	0.033	<0.01	<0.01	<0.01
	3/11/2008	8260B	1.5E-03	<0.001	0.0037	0.19	0.011	0.017	0.023	0.097	<0.01	<0.01	<0.01
EP-6	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	0.14	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.11	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.001	<0.001	<0.002	<0.01	<0.004	<0.004	<0.01	<0.01	<0.001	<0.003	<0.001
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.02	<0.004	<0.004	<0.1	<0.1	<0.01	<0.01	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.044	<0.004	<0.004	<0.1	<0.1	<0.001	<0.001	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.002	<0.01	<0.004	<0.004	<0.1	<0.1	<0.001	<0.001	<0.001
	12/2/2008	8260B	0.001	<0.001	<0.002	<0.01	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	9/9/2008	8260B	<0.001	<0.001	<0.002	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	6/17/2008	8260B	<0.001	<0.001	<0.002	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.01	<0.01
	3/11/2008	8260B	0.002	<0.001	0.004	0.64	0.015	0.02	0.032	0.04	<0.01	<0.01	<0.01

8.16.5 EVAPORATION PONDS (EP-1 thru EP-12B)
Volatile Organic Compound Analytical Result Summary

			Parameters										
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	Acetone (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Butanone (mg/L)	Carbon disulfide (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)	n-Butyl benzene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	0.01	NE	NE
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE	NE	NE	NE	NE	0.08	NE	NE
EPA RSL for Tap Water (June 2015)			0.015	0.12	0.00165 ¹	14.1 ¹	0.0011	0.036	5.56 ¹	0.81 ¹	0.00022	0.0203 ¹	1
SAMPLE ID	DATE SAMPLED	METHOD											
EP-7	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.061	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.023	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	6/17/2009	8260B	1.1E-03	<0.001	<0.02	0.034	<0.04	<0.04	<0.01	<0.01	<0.001	<0.001	<0.001
	12/2/2008	8260B	1.3E-03	<0.001	<0.02	0.017	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
	9/9/2008	8260B	<0.01	<0.01	<0.02	<0.02	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
	6/17/2008	8260B	1.2E-03	<0.001	<0.02	0.049	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
	3/11/2008	8260B	<0.001	<0.001	<0.02	0.034	<0.04	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01
EP-8	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	8/2/2010	8260B	<0.001	<0.001	<0.002	0.066	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.038	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	6/17/2009	8260B	<0.001	<0.001	<0.002	0.099	<0.004	<0.004	<0.01	<0.01	<0.001	0.0014	<0.001
	12/2/2008	8260B	<0.001	<0.001	<0.002	<0.1	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	9/9/2008	8260B	<0.001	<0.001	<0.002	<0.1	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
	6/17/2008	8260B	1.1E-03	<0.001	<0.002	0.12	<0.004	<0.004	0.014	<0.01	0.0014	<0.001	<0.001
	3/11/2008	8260B	<0.001	<0.001	<0.002	0.024	<0.001	<0.001	<0.01	<0.01	<0.001	<0.001	<0.001
EP-9 ²	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.015	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001
EP-11 ²	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.12	<0.04	<0.04	<0.1	0.59	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.03	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	4/20/2010	8260B	<0.001	<0.001	<0.002	0.039	<0.004	<0.004	<0.01	<0.01	<0.001	<0.001	<0.001

8.16.5 EVAPORATION PONDS (EP-1 thru EP-12B)
Volatile Organic Compound Analytical Result Summary

			Parameters										
			1,2,4-Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	Acetone (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	2-Butanone (mg/L)	Carbon disulfide (mg/L)	Chloroform (mg/L)	Chloromethane (mg/L)	n-Butyl benzene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	0.01	NE	NE
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE	NE	NE	NE	NE	0.08	NE	NE
EPA RSL for Tap Water (June 2015)			0.015	0.12	0.00165 ¹	14.1 ¹	0.0011	0.036	5.56 ¹	0.81 ¹	0.00022	0.0203 ¹	1
SAMPLE ID	DATE SAMPLED	METHOD											
EP-12A ²	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	0.17	<0.04	<0.04	<0.1	0.14	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.15	<0.04	<0.04	<0.1	0.61	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.16	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	0.1	<0.01	<0.03	<0.01
	4/20/2011	8260B	<0.001	<0.001	<0.002	0.13	<0.004	<0.004	0.011	0.034	<0.001	<0.001	<0.001
EP-12B ²	11/12/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	3/5/2014	8260B	<0.01	<0.01	<0.02	<0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	10/15/2013	8260B	<0.01	<0.01	<0.02	0.28	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	5/28/2013	8260B	<0.01	<0.01	<0.02	0.53	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.03
	11/6/2012	8260B	<0.01	<0.01	<0.02	0.24	<0.04	<0.04	<0.1	0.47	<0.01	<0.03	<0.03
	5/29/2012	8260B	<0.01	<0.01	<0.02	0.1	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	11/1/2011	8260B	<0.01	<0.01	<0.02	0.16	<0.04	<0.04	<0.1	<0.1	<0.01	<0.03	<0.01
	5/23/2011	8260B	<0.01	<0.01	<0.02	0.18	<0.04	<0.04	<0.1	0.17	<0.01	<0.03	<0.01
	4/20/2011	8260B	1.6E-03	<0.001	0.0034	0.3	0.012	0.019	0.025	0.035	<0.001	<0.001	<0.001

DEFINITIONS

NE = Not established
NA = Not analyzed
NL = Not listed on laboratory analysis

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS
Concentration or less.
a) Human Health Standards; b) Other Standards for Domestic Water
40 CFR 141.62 Detection limits for Inorganic Contaminants
EPA Regional Screening Level (RSL) Summary Table (Nov 2011)
1) NMED Tap Water (Dec 2014)

NOTES:

2) Unapproved monitoring schedule was used at the beginning of 2010 which included the addition of evaporation ponds 9, 11, 12A and 12B.

8.16.6 EVAPORATION PONDS (EP-1 thru EP-12B)

Semi Volatile Organic Compound Analytical Result Summary

			Parameters															
			Aniline (mg/L)	Benzoic acid (mg/L)	Benzyl alcohol (mg/L)	Bis(2-ethyl hexyl)phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	2-Nitrophenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE	NE
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			0.013	75	2	0.0056	NE	0.354 ¹	0.288 ¹	0.036	0.93	0.0015	0.00165 ¹	NE	NE	5.8	0.12	0.02
SAMPLE ID	SAMPLE DATE	METHOD																
EP-1	11/12/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.04	0.062	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05
	3/5/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.05	0.14	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05
	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	5/28/2013	8270C	<0.03	<0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	11/6/2012	8270C	0.072	<0.1	<0.05	<0.05	<0.05	0.09	<0.05	<0.05	0.41	0.7	<0.05	<0.05	<0.05	1.4	<0.05	<0.05
	5/29/2012	8270C	0.07	<0.1	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	0.31	0.7	<0.05	<0.05	0.051	1.1	<0.05	<0.05
	11/1/2011	8270C	0.82	<0.1	<0.05	<0.05	<0.05	0.43	<0.05	<0.05	2.5	5.0	<0.05	<0.05	<0.05	9.7	<0.5	<0.05
	5/23/2011	8270C	0.42	<0.1	<0.05	<0.05	<0.05	0.26	<0.05	<0.05	2.0	3.6	<0.05	<0.05	<0.05	6.4	<0.5	<0.05
	11/16/2010	8270C	0.6	<0.02	<0.01	<0.01	0.017	0.36	0.017	0.18	2.1	4.2	0.025	<0.1	0.11	8.5	0.012	<0.01
	4/20/2010 ²	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.063	<0.05	0.075	<0.05	<0.05	<0.05	<0.05	0.11	0.091	<0.05	<0.05
EP-2	11/12/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.05	<0.05	<0.02	<0.05	<0.05	0.058	<0.05	<0.05
	3/5/2014	8270C	0.044	0.097	<0.01	<0.01	<0.01	0.029	<0.01	<0.04	0.14	0.35	<0.02	<0.01	<0.01	0.87	<0.01	<0.01
	10/15/2013	8270C	<0.01	0.057	<0.01	<0.01	<0.01	0.015	<0.01	<0.01	0.082	0.2	<0.01	<0.01	<0.01	0.42	<0.01	<0.01
	5/28/2013	8270C	0.16	<0.04	<0.02	<0.02	<0.02	0.38	<0.02	<0.02	2.2	4.3	<0.02	<0.02	<0.02	7.4	<0.02	<0.02
	11/6/2012	8270C	0.11	<0.1	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	0.92	1.3	<0.05	<0.05	<0.05	2.3	<0.05	<0.05
	5/29/2012	8270C	0.11	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.58	0.81	<0.05	<0.05	<0.05	1.7	<0.05	<0.05
	11/1/2011	8270C	0.25	<0.1	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	1.1	2.0	<0.05	<0.05	<0.05	3.6	<0.05	<0.05
	5/23/2011	8270C	0.27	<0.02	0.02	0.013	<0.01	0.18	<0.01	<0.01	1.2	2.5	<0.01	<0.01	<0.01	2.7	<0.01	<0.01
	11/16/2010	8270C	0.48	<0.02	0.011	<0.05	0.01	0.24	<0.05	0.089	1.5	2.1	0.027	<0.01	0.014	3.3	<0.01	0.011
	4/20/2010 ²	8270C	<0.05	0.16	<0.05	<0.05	<0.05	0.06	<0.05	0.075	0.88	1.4	<0.05	0.073	0.1	2.8	<0.05	<0.05
EP-3	11/12/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.05	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05
	3/5/2014	8270C	0.045	<0.02	<0.01	<0.01	<0.01	0.026	<0.01	<0.04	0.11	0.29	<0.02	<0.01	<0.01	0.79	<0.01	<0.01
	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	0.059	<0.05	<0.05	0.25	0.45	<0.05	<0.05	<0.05	1.0		
	5/28/2013	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.96	1.9	<0.05	<0.05	<0.05	3.7		
	11/6/2012	8270C	0.12	<0.04	0.026	<0.02	<0.02	0.1	<0.02	<0.02	0.52	0.96	<0.02	<0.02	<0.02	2.0		
	5/29/2012	8270C	<0.1	<0.02	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	0.87	1.6	<0.1	<0.1	<0.1	3.3		
	11/1/2011	8270C	0.21	<0.1	<0.05	<0.05	<0.05	0.16	<0.05	<0.05	1.1	1.5	<0.05	<0.05	<0.5	2.9		
	5/23/2011	8270C	0.083	<0.02	<0.01	<0.01	<0.01	0.092	<0.01	<0.01	0.63	1.6	<0.01	<0.01	<0.01	1.6		
	11/16/2010	8270C	0.26	<0.02	<0.01	<0.01	<0.01	0.14	<0.05	0.026	0.91	1.9	<0.01	<0.01	<0.01	2.4		
	4/20/2010 ²	8270C	0.22	<0.1	<0.05	<0.05	<0.05	0.094	<0.05	<0.05	0.77	1.2	<0.05	<0.05	<0.05	2.8		
EP-4	11/12/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.05	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05
	3/5/2014	8270C	0.04	<0.02	<0.01	<0.01	<0.01	0.022	<0.01	<0.04	0.08	0.21	<0.02	<0.01	<0.01	0.42	<0.01	<0.01
	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.18	0.34	<0.05	<0.05	<0.05	0.67		
	5/28/2013	8270C	0.029	<0.04	<0.02	<0.02	<0.02	0.071	<0.02	<0.02	0.48	1.0	<0.02	<0.02	<0.02	1.4		
	11/6/2012	8270C	0.06	<0.1	<0.05	<0.05	<0.05	0.072	<0.05	<0.05	0.29	0.53	<0.05	<0.05	<0.05	1.1		
	5/29/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.78	1.2	<0.05	<0.05	<0.05	2.9		
	11/1/2011	8270C	0.067	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.64	0.84	<0.05	<0.05	<0.05	1.1		
	5/23/2011	8270C	0.22	<0.02	<0.01	<0.01	<0.01	0.28	<0.01	<0.01	1.2	2.8	<0.01	<0.01	<0.01	2.3		
	11/16/2010	8270C	0.21	<0.02	<0.01	0.015	<0.01	0.11	<0.05	<0.01	0.55	1.3	<0.01	<0.01	<0.01	1.6		
	4/20/2010 ²	8270C	0.18	<0.1	<0.05	<0.05	<0.05	0.073	<0.05	<0.05	0.62	0.96	<0.05	<0.05	<0.05	2.1		

Semi Volatile Organic Compound Analytical Result Summary

			Parameters															
			Aniline (mg/L)	Benzoic acid (mg/L)	Benzy l alcohol (mg/L)	Bis(2-ethyl hexyl)phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	2-Nitrophenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE	NE	
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
EPA RSL for Tap Water (June 2015)			0.013	75	2	0.0056	NE	0.354 ¹	0.288 ¹	0.036	0.93	0.0015	0.00165 ¹	NE	NE	5.8	0.12	0.02
SAMPLE ID	SAMPLE DATE	METHOD																
EP-5	11/12/2014	8270C	<0.01	<0.02	<0.01	0.013	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	3/5/2014	8270C	0.023	<0.02	<0.01		<0.01	0.018	<0.01	<0.04	0.082	0.2	<0.02	<0.01	<0.01	0.26	<0.01	<0.01
	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.16	0.26	<0.05	<0.05	<0.05	0.54		
	5/28/2013	8270C	0.032	<0.04	<0.02	<0.02	<0.02	0.084	<0.02	<0.02	0.46	0.93	<0.02	<0.02	<0.02	1.2		
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.074	<0.05	<0.05	0.27	0.4	<0.05	<0.05	<0.05	0.9		
	5/29/2012	8270C	0.057	<0.1	<0.05	<0.05	<0.05	<0.05	0.074	<0.05	0.82	1.1	<0.05	<0.05	<0.05	2.7		
	11/1/2011	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	0.089	<0.05	<0.05	<0.05	0.052		
	5/23/2011	8270C	0.11	<0.02	<0.01	<0.01	<0.01	0.22	<0.01	<0.01	1.1	2.6	<0.01	<0.01	<0.01	1.8		
	11/16/2010	8270C	0.12	<0.1	<0.05	<0.05	<0.05	0.09	<0.05	<0.05	0.6	1.1	<0.05	<0.05	<0.05	1.2		
4/20/2010 ²	8270C	0.17	<0.1	<0.05	<0.05	<0.05	<0.05	0.074	<0.05	<0.05	0.64	1.0	<0.05	<0.05	<0.05	2.2		
EP-6	11/12/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	3/5/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.05	0.088	<0.02	<0.05	<0.05	0.28	<0.05	<0.05
	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	5/28/2013	8270C	<0.1	<0.1	<0.2	<0.1	<0.1	<0.1	<0.1	<0.1	0.26	0.23	<0.1	<0.1	<0.1	0.14		
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
	5/29/2012	8270C	0.036	<0.02	<0.01	<0.01	<0.01	0.034	<0.01	<0.01	0.43	0.41	<0.01	<0.01	<0.01	0.72		
	11/1/2011	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	5/23/2011	8270C	0.069	<0.02	<0.01	0.019	<0.01	0.11	<0.01	<0.01	0.56	1.1	<0.01	<0.01	<0.01	1.3		
	11/16/2010	8270C	<0.01	<0.02	<0.01	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.032		
4/20/2010 ²	8270C	0.081	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.3	0.44	<0.05	<0.05	<0.05	0.38			
EP-7	11/12/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	3/5/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	5/28/2013	8270C	<0.03	<0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03		
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05		
	5/29/2012	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
	11/1/2011	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.018	<0.01	<0.01	<0.01	0.04		
	5/23/2011	8270C	<0.01	<0.02	<0.01	0.019	<0.01	<0.01	<0.01	<0.01	<0.01	0.045	<0.01	<0.01	<0.01	0.17		
	11/16/2010	8270C	<0.01	<0.02	<0.01	0.011	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		
4/20/2010 ²	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05			

8.16.6 EVAPORATION PONDS (EP-1 thru EP-12B)

Semi Volatile Organic Compound Analytical Result Summary

			Parameters															
			Aniline (mg/L)	Benzoic acid (mg/L)	Benzyl alcohol (mg/L)	Bis(2-ethyl hexyl)phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene	2-Nitrophenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE	NE	
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
EPA RSL for Tap Water (June 2015)			0.013	75	2	0.0056	NE	0.354 ¹	0.288 ¹	0.036	0.93	0.0015	0.00165 ¹	NE	NE	5.8	0.12	0.02
SAMPLE ID	SAMPLE DATE	METHOD																
EP-8	11/12/2014	8270C	<0.011	<0.022	<0.011	0.018	<0.011	<0.011	<0.011	<0.04	<0.011	<0.011	<0.02	<0.011	<0.011	<0.011	<0.011	<0.011
	3/5/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	5/28/2013	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	5/29/2012	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	11/1/2011	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	5/23/2011	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	11/16/2010	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	4/20/2010 ²	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-9 ²	11/12/2014	8270C	<0.01	<0.02	<0.01	0.018	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	3/5/2014	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	5/28/2013	8270C	<0.03	<0.06	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	5/29/2012	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.07	0.12	<0.01	<0.01	<0.01	0.23	<0.01	<0.01
	11/1/2011	8270C	<0.02	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	5/23/2011	8270C	<0.02	<0.04	<0.02	0.022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	11/16/2010	8270C	<0.01	<0.02	<0.01	0.013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	4/20/2010	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-11 ²	11/12/2014	8270C	<0.01	<0.02	<0.01	0.013	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	3/5/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.05	<0.05	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05
	10/15/2013	8270C	<0.01	<0.04	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	5/28/2013	8270C	<0.02	<0.04	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.2	0.33	<0.05	<0.05	<0.05	0.68	<0.05	<0.05
	5/29/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	11/1/2011	8270C	0.067	<0.1	<0.05	<0.05	<0.05	0.055	<0.05	<0.05	0.46	0.75	<0.05	<0.05	<0.05	1.3	<0.05	<0.05
	5/23/2011	8270C	<0.01	<0.02	<0.01	0.017	<0.01	0.065	<0.01	<0.01	0.42	1.1	<0.01	<0.01	<0.01	2.1	<0.01	<0.01
	11/16/2010	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	4/20/2010	8270C	<0.01	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
EP-12A ²	11/12/2014	8270C	<0.01	<0.02	<0.01	0.012	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	3/5/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.05	<0.05	<0.02	<0.05	<0.05	0.2	<0.05	<0.05
	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.1	0.16	<0.05	<0.05	<0.05	0.35	<0.05	<0.05
	5/28/2013	8270C	0.031	<0.01	<0.01	<0.01	<0.01	0.11	<0.01	<0.01	0.56	1.3	<0.01	<0.01	<0.01	2.0	<0.01	<0.01
	11/6/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.15	0.21	<0.05	<0.05	<0.05	0.46	<0.05	<0.05
	5/29/2012	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	11/1/2011	8270C	0.16	<0.1	<0.05	<0.05	<0.05	0.15	<0.05	<0.05	0.94	1.3	<0.05	<0.05	<0.05	2.7	<0.05	<0.05
	5/23/2011	8270C	0.14	<0.02	<0.01	<0.01	<0.01	0.19	<0.01	<0.01	1.2	2.7	<0.01	<0.01	<0.01	3.6	<0.01	<0.01
	11/16/2010	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
	4/20/2010	8270C	0.067	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	0.17	<0.05	<0.05	<0.05	0.016	<0.05	<0.05

8.16.6 EVAPORATION PONDS (EP-1 thru EP-12B)

Semi Volatile Organic Compound Analytical Result Summary

			Parameters															
			Aniline (mg/L)	Benzoic acid (mg/L)	Benzyl alcohol (mg/L)	Bis(2-ethyl hexyl)phthalate (mg/L)	Carbazole (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	2-Methyl naphthalene (mg/L)	2-Methyl phenol (mg/L)	3+4-Methyl phenol (mg/L)	Naphthalene (mg/L)	2-Nitrophenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	0.005	NE	NE
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			0.013	75	2	0.0056	NE	0.354 ¹	0.288 ¹	0.036	0.93	0.0015	0.00165 ¹	NE	NE	5.8	0.12	0.02
SAMPLE ID	SAMPLE DATE	METHOD																
EP-12B ²	11/12/2014	8270C	<0.01	<0.02	<0.01	0.012	<0.01	<0.01	<0.01	<0.04	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01
	3/5/2014	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	<0.05	<0.05	<0.04	<0.05	0.079	<0.02	<0.05	<0.05	0.6	<0.05	<0.05
	10/15/2013	8270C	<0.05	<0.2	<0.05	<0.05	<0.05	0.068	<0.05	<0.05	0.34	0.73	<0.05	<0.05	<0.05	1.5		
	5/28/2013	8270C	0.11	<0.04	<0.02	<0.02	<0.02	0.2	<0.02	<0.02	1.4	3.5	<0.02	<0.02	<0.02	5.5		
	11/6/2012	8270C	0.093	<0.1	<0.05	<0.05	<0.05	0.089	<0.05	<0.05	0.46	0.96	<0.05	<0.05	<0.05	1.8		
	5/29/2012	8270C	<0.1	<0.02	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.33	0.56	<0.1	<0.1	<0.1	1.1		
	11/1/2011	8270C	0.023	<0.02	<0.01	<0.01	<0.01	0.021	<0.01	<0.01	0.13	0.19	<0.01	<0.01	<0.01	0.34		
	5/23/2011	8270C	0.15	<0.02	<0.01	<0.01	<0.01	0.19	<0.01	<0.01	1.1	2.1	<0.01	<0.01	<0.01	2.1		
	11/16/2010	8270C	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.066	0.078	<0.01	<0.01	<0.01	0.2		
	4/20/2010	8270C	<0.05	<0.1	<0.05	<0.05	<0.05	0.11	<0.05	<0.05	0.92	1.2	<0.05	<0.05	<0.05	2.7		

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Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less

a) Human Health Standards; b) Other Standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

1) NMED Tap Water (Dec 2014)

NOTES

2) Used the unapproved Facility Wide Ground Water Monitoring Plan (FWGWMP) sampling guidelines for the first quarter of 2010 which included the addition of evaporation ponds 9, 11, 12A and 12B.

8.17 BOILER WATER TO EP-2 (BW to EP-2)

General Chemistry and Total Recoverable Metals Analytical Result Summary

			Parameters												
			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)	pH	Specific Conductance (μS/cm)	Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250	NE	NE	10	NE	600	6 - 9	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	1	10	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			0.8	NE	NE	1.6	32	0.0004	NE	NE	NE	NE	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD													
BW to EP-2	11/12/2014	300.0/200.7	<0.1	4100	0.15	<2	0.78	<0.5	990	NA	NA	19	5.1	7.5	680
	3/5/2014	300.0/200.7	NL	2800	0.13	<0.1	<2	<0.5	870	NA	NA	NL	NL	NL	NL
	10/15/2013	300.0/200.7	0.55	64	0.24	<1.0	<1.0	<10	1900	NA	NA	4.3	2	11	1300
	5/28/2013	300.0/200.7	<1.0	60	<1.0	<1.0	<1.0	<5.0	1700	NA	NA	2.3	<1.0	13	1400
	11/6/2012	300.0/200.8	1.4	49	<0.5	<0.5	<0.5	<2.5	1900	NA	NA	1.4	<1.0	7.1	1200
	5/29/2012	300.0/200.9	0.82	60	<0.5	<1.0	<1.0	<2.5	1700	NA	NA	4.5	<1.0	2.8	1300
	11/1/2011	300.0/200.10	0.9	56	<0.5	<1.0	<1.0	<2.5	1800	NA	NA	3.9	1.9	380	1100
	5/23/2011	300.0/200.11	0.75	69	0.2	<0.01	0.32	<0.5	1600	NA	NA	3.7	<1.0	2.8	1000
	11/16/2010	300.0/6010B	<0.2	53000	<5.0	<200	<200	<25	1200	NA	NA	1600	250	130	26000
	6/28/2010	300.0/6010B	0.27	71	<0.1	<0.1	<0.1	<0.5	500	7.89	1600	1.7	<1.0	2.1	380
	4/20/2010	300.0/6010B	0.64	68	0.24	<0.1	0.31	<0.5	1400	NA	NA	2.5	<1.0	15	970
	10/27/2009	300.0/6010B	0.39	37	1.3	0.12	0.12	<0.5	630	8.35	1900	0.8	<0.5	4.6	480
	5/6/2009	300.0/6010B	0.9	45	0.24	<1.0	0.65	<0.5	1500	8.01	4200	1.1	<0.5	4.9	1200
	6/17/2008	300.0/6010B	1.3	6.7	NL	<0.1	<1.0	<0.5	2600	7.9	6500	1.9	<0.5	15	1900

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STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NOTES

8.17.1 BOILER WATER TO EP-2 (BW to EP-2)

Total Recoverable Metals Analytical Result Summary

			PARAMETERS			
			Calcium (mg/L)	Magnesium (mg/L)	Potassium (mg/L)	Sodium (mg/L)
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			NE	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD				
BW to EP-2	11/12/2014	200.7	19	5.1	7.5	680
	3/5/2014	200.7	110	18	22	2300
	10/15/2013	200.7	4.3	2.0	11	1300
	5/28/2013	200.7	2.3	<1.0	13	1400
	11/6/2012	200.7	1.4	<1.0	7.1	1200
	5/29/2012	200.7	4.5	<1.0	2.8	1300
	11/1/2011	200.7	3.9	1.9	380	1100
	5/23/2011	200.7	3.7	<1.0	2.8	1000
	11/16/2010	6010B	1600	250	130	26000
	6/28/2010	6010B	1.7	<1.0	2.1	380
	4/20/2010	6010B	2.5	<1.0	15	970
	10/27/2009	6010B	0.8	<0.5	4.6	480
	5/6/2009	6010B	1.1	<0.5	4.9	1200
	6/17/2008	6010B	1.9	<0.5	15	1900

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STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other standards for Domestic Water

1) 20 NMAC 6.2.2101 General Requirements

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NOTES

8.18 STP-1 to EP-2 (formerly EP-2 INLET)
BTEX, DRO/GRO, TDS Analytical Result Summary

			Parameters								
			Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	MTBE (mg/L)	DRO (mg/L)	GRO (mg/L)	MRO (mg/L)	TDS (mg/L)
WQCC 20NMAC 6.2.3103			0.01	0.75	0.75	0.62	NE	0.2 ¹	NE	NE	1000
40 CFR 141.62 MCL (June 2015)			0.005	1	0.7	10	NE	NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			0.00045	1.1	0.0015	0.19	0.143 ²	NE	NE	NE	NE
SAMPLE ID	DATE SAMPLED	METHOD									
EP-2 Inlet	9/10/2014	8260B/8015B	0.018	<0.002	<0.002	<0.003	<0.002	2.4	<0.5	<5	2780
	9/5/2013	8260B/8015B	0.033	0.013	<0.01	<0.015	<0.01	3.3	<0.5	<5.0	2340
	8/21/2012 ⁴	8260B/8015B	<0.001	<0.001	<0.001	<0.0015	<0.001	<1.0	<0.05	<5.0	3720
	10/31/2011	8260B/8015B	<0.005	0.0063	<0.005	<0.0075	<0.005	39	1.7	6.9	6730
	7/21/2010	8260B/8015B	<0.005	<0.005	<0.005	<0.0075	<0.005	21	0.83		4120
	6/17/2009	8260B/8015B	0.0039	0.02	0.0042	0.037	<0.001	23	2		2600
	8/21/2008	8260B/8015B	<0.01	0.026	0.014	0.1	<0.01	290	10		2000
	1/1/2008 ³	8260B/8015B	0.13	0.26	0.044	0.26	0.0052	150	2.6		2200

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STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other standards for Domestic Water

1) NMED Table 6-2 (Unknown oil), TPH Screening Guidelines for Potable Ground Water (GW-1) (JUN 2012).

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

2) NMED Tap Water (Dec 2014)

NOTES

3) Due to inclement weather in December 2007, samples were collected in January 2008.

4) Sample taken from inlet from STP-1. No flow to aeration lagoons - diverted to Waste Water Treatment Plant.

8.18.1 STP-1 to EP-2 (formerly EP-2 Inlet)
General Chemistry Analytical Results Summary

			Parameters						
			Fluoride (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrite (mg/L)	Nitrate (mg/L)	Phosphorus (mg/L)	Sulfate (mg/L)
WQCC 20NMAC 6.2.3103			1.6	250	NE	NE	10	NE	600
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	1	10	NE	NE
EPA RSL for Tap Water (June 2015)			0.8	NE	NE	1.6	32	0.0004	NE
WELL ID	DATE SAMPLED	METHOD							
STP-1 to EP-2	11/12/2014	300.0/8015D	<0.1	4100	0.15	<2	0.78	<0.5	990
	9/10/2014	300.0/8015B	54	310	2.2	<0.5	<0.5	<2.5	1200

DEFINITIONS

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STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS Concentration or Less.

a) Human Health Standards; b) Other standards for Domestic Water

1) NMED Table 6-2 (Unknown Oil). TPH Screening Guidelines for Potable Ground Water (GW-1). (JUN 2012)

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NOTES:

8.18.2 STP-1 to EP-2 (formerly EP-2 INLET)
BOD/COD Analytical Result Summary

			Parameters	
			BOD (mg/L)	COD (mg/L)
20NMAC 6.2.2101			<30	<125
SAMPLE ID	DATE SAMPLED	METHOD		
STP-1 to EP-2	11/12/2014	SM5210B/5220C	630	1300
	9/10/2014	SM5210B/5220C	270	1500
	3/5/2014	SM5210B/5220C	560	1500
EP-2 Inlet	9/5/2013	SM5210B/5220C	670	1200
	8/21/2012 ¹	SM5210B/5220C	<2.0	<10.0
	10/31/2011	SM5210B/5220C	410	1520
	7/21/2010	SM5210B/5220C	1400	3200
	6/18/2009	SM5210B/5220C	191	1149
	8/22/2008	SM5210B/5220C	348	1540
	3/26/2008	SM5210B/5220C	649	1430
	3/20/2008	SM5210B/5220C	344	829
	3/11/2008	SM5210B/5220C	651	1150
	3/6/2008	SM5210B/5220C	947	1520
	2/28/2008	SM5210B/5220C	46.1	2440
	2/21/2008	SM5210B/5220C	>394	1950
	2/14/2008	SM5210B/5220C	570	2290
	2/7/2008	SM5210B/5220C	671	2570
	1/31/2008	SM5210B/5220C	414	1290
	1/25/2008	SM5210B/5220C	520	1200
	1/18/2008	SM5210B/5220C	462	1460
	1/11/2008	SM5210B/5220C	449	1350

DEFINITIONS

NE = Not established

NA = Not analyzed

NL = Not listed on laboratory analysis

Bold and highlighted values represent values above the applicable standards

STANDARDS

20 NMAC 6.2.2101 - General Requirements

NOTES:

1) Sample taken from inlet from STP-1. No flow to aeration lagoons - diverted to Waste Water Treatment Plant.

8.18.3 STP-1 to EP-2 (formerly EP-2 Inlet)
Total Metals Analytical Results Summary

			Parameters														
			Arsenic (mg/L)	Barium (mg/L)	Calcium (mg/L)	Chromium (mg/L)	Sodium (mg/L)	Iron (mg/L)	Lead (mg/L)	Magnesium (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1	NE	0.05	NE	1	0.05	0.2		0.05	0.05	0.002	0.03	10	
40 CFR 141.62 MCL (June 2015)			0.01	2	NE	0.1	NE	NE	0.015	NE		0.05	0.1 ²	0.002	0.03	NE	
EPA RSL for Tap Water (June 2015)			0.000052	3.8	NE	NE	0.8	14	0.015	NE	0.43	NE	0.1	0.094	0.00063	0.06	6
WELL ID	DATE SAMPLED	METHOD															
STP-1 to EP-2	11/12/2014	200.7/200.8	0.011	0.071	NL	0.013	NL	1.6	<0.001	NL	0.18	NL	0.025	<0.005	<0.0002	0.0022	0.044
	9/10/2014	200.7/200.8	0.014	0.098	NL	0.017	NL	3.7	<0.001	NL	0.18	NL	0.021	<0.005	<0.0002	0.0045	0.12
	3/5/2014	200.7/200.8	0.011	0.18	NL	0.014	NL	0.94	<0.001	NL	0.36	NL	0.027	<0.005	<0.0002	0.004	0.044

DEFINITIONS	STANDARDS
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS
NA = Not analyzed	Concentration or Less. a) Human Health Standards; b) Other standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table

NOTES

8.18.4 STP-1 to EP-2 (formerly EP-2 Inlet)
Dissolved Metals Analytical Results Summary

			Parameters												
			Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Potassium (mg/L)	Selenium (mg/L)	Sodium (mg/L)	Uranium (mg/L)	Zinc (mg/L)
WQCC 20NMAC 6.2.3103			0.1	1.0	0.01	0.05	1.0	1.0	0.05	0.2	NE	0.05	NE	0.03	10.0
WELL ID	DATE SAMPLED	METHOD													
STP-1 to EP-2	11/12/2014	200.7/200.8	0.01	0.068	<0.002	0.014	<0.006	1.4	<0.01	0.17	7.5	<0.025	680	0.0013	0.072
	9/10/2014	200.7/200.8	0.011	0.087	<0.002	0.018	<0.006	3.5	<0.01	0.38	53	0.022	600	0.0028	0.087
	3/5/2014	200.7/200.8	<0.01	0.2	<0.002	0.014	<0.006	0.63	<0.01	0.38	NL	0.06	NL	<0.01	0.019

DEFINITIONS

NE = Not established

NA = Not analyzed

NL = Not listed on laboratory analysis

Bold and highlighted values represent values above the applicable standards

STANDARDS

WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS

Concentration or Less. a) Human Health Standards; b) Other standards for Domestic Water

40 CFR 141.62 Detection Limits for Inorganic Contaminants

EPA Regional Screening Level (RSL) Summary Table

NOTES

8.18.5 STP-1 to EP-2 (formerly EP-2 INLET)
Volatile Organic Compound Analytical Result Summary

			Parameters												
			1,2,4- Trimethyl benzene (mg/L)	1,3,5-Trimethyl benzene (mg/L)	Naphthalene (mg/L)	1-Methyl naphthalene (mg/L)	2-Methyl naphthalene (mg/L)	Acetone (mg/L)	2-Butanone (mg/L)	Carbon Disulfide (mg/L)	Isopropyl benzene (mg/L)	4-Isopropyl toluene (mg/L)	n-Butyl benzene (mg/L)	n-Propyl benzene (mg/L)	sec-Butyl benzene (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	
EPA RSL for Tap Water (June 2015)			0.015	0.12	0.00165 ¹	0.0011	0.036	14.1 ¹	5.56 ¹	0.81 ¹	0.447 ¹	NE	1	0.66	2
SAMPLE ID	DATE SAMPLED	METHOD													
STP-1 to EP-2	9/10/2014	8260B	<0.002	<0.002	<0.004	<0.008	<0.008	1.3	0.16	0.058	<0.002	<0.002	<0.006	<0.002	<0.002
EP-2 Inlet	9/5/2013	8260B	<0.01	<0.01	<0.02	<0.04	<0.04	2.2	0.26	<0.1	<0.01	<0.01	<0.03	<0.01	<0.01
	8/21/2012 ³	8260B	<0.001	<0.001	<0.002	<0.004	<0.004	<0.01	<0.01	<0.01	<0.001	<0.001	<0.003	<0.001	<0.001
	10/31/2011	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.86	0.14	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	7/21/2010	8260B	<0.005	<0.005	<0.01	<0.02	<0.02	0.49	<0.05	<0.05	<0.005	<0.005	<0.005	<0.005	<0.005
	6/17/2009	8260B	0.025	0.0082	0.011	0.057	0.061	0.5	0.046	0.011	<0.001	<0.001	0.0044	0.0018	<0.001
	8/21/2008	8260B	0.11	0.035	0.02	0.3	0.34	1.2	0.14	<.1	<0.01	<0.01	0.029	0.013	<0.001
	1/1/2008 ²	8260B	0.17	0.047	0.25	0.46	0.75	<0.05	<0.05	0.14	0.0063	0.007	0.044	0.019	0.0071

DEFINITIONS	STANDARDS
NE = Not established	WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS concentration or less.
NA = Not analyzed	a) Human Health Standards; b) Other Standards for Domestic Water
NL = Not listed on laboratory analysis	40 CFR 141.62 Detection Limits for Inorganic Contaminants
Bold and highlighted values represent values above the applicable standards	EPA Regional Screening Level (RSL) Summary Table
	1) NMED Tap Water (Dec 2014)

NOTES

2) Due to inclement weather in December 2007, samples were taken in January 2008.

3) Sample taken from inlet from STP-1. No flow to aeration lagoons - diverted to Waste Water Treatment Plant.

8.18.6 STP-1 to EP-2 (formerly EP-2 Inlet)
Semi Volatile Organic Compounds Analytical Results Summary

			PARAMETERS																					
			Acenaphthene (mg/L)	Aniline (mg/L)	Benz(a)anthracene (mg/L)	Benzoic Acid (mg/L)	Benzyl Alcohol (mg/L)	Bis(2-ethylhexyl)phthalate (mg/L)	Carbazole (mg/L)	Chrysene (mg/L)	Dibenzofuran (mg/L)	Diethyl phthalate (mg/L)	2,4-Dimethyl phenol (mg/L)	Fluorene (mg/L)	1-Methylnaphthalene (mg/L)	2-Methylnaphthalene (mg/L)	2-Methylphenol (mg/L)	3+4-Methylphenol (mg/L)	Naphthalene (mg/L)	2-Nitrophenol (mg/L)	Phenanthrene (mg/L)	Phenol (mg/L)	Pyrene (mg/L)	Pyridine (mg/L)
WQCC 20NMAC 6.2.3103			NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
40 CFR 141.62 MCL (June 2015)			NE	NE	NE	NE	NE	0.006	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
EPA RSL for Tap Water (June 2015)			0.535 ¹	0.013	0.000343 ¹	75	2	0.0056	NE	0.00343 ¹	0.0079	14.8 ¹	0.354 ¹	0.288 ¹	0.0011	0.93	0.93	0.0015	0.00165 ¹	NE	NE	5.8	0.117 ¹	0.02
Well ID	Date Sampled	Method																						
STP-1 to EP-2	9/10/2014	8270C	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	22	<0.01	<0.01	<0.01	<0.01	140	<0.01	<0.01	

DEFINITIONS
NE = Not established
NA = Not analyzed
NL = Not listed on laboratory analysis

Bold and highlighted values represent values above the applicable standards

STANDARDS
WQCC 20 NMAC 6.2.3103 - Standards for Ground Water of 10,000 mg/l TDS
Concentration or less.
a) Human Health Standards; b) Other Standards for Domestic Water

EPA Regional Screening Level (RSL) Summary Table (June 2011)
1) NMED Tap Water (Dec 2014)

NOTES

FIGURES

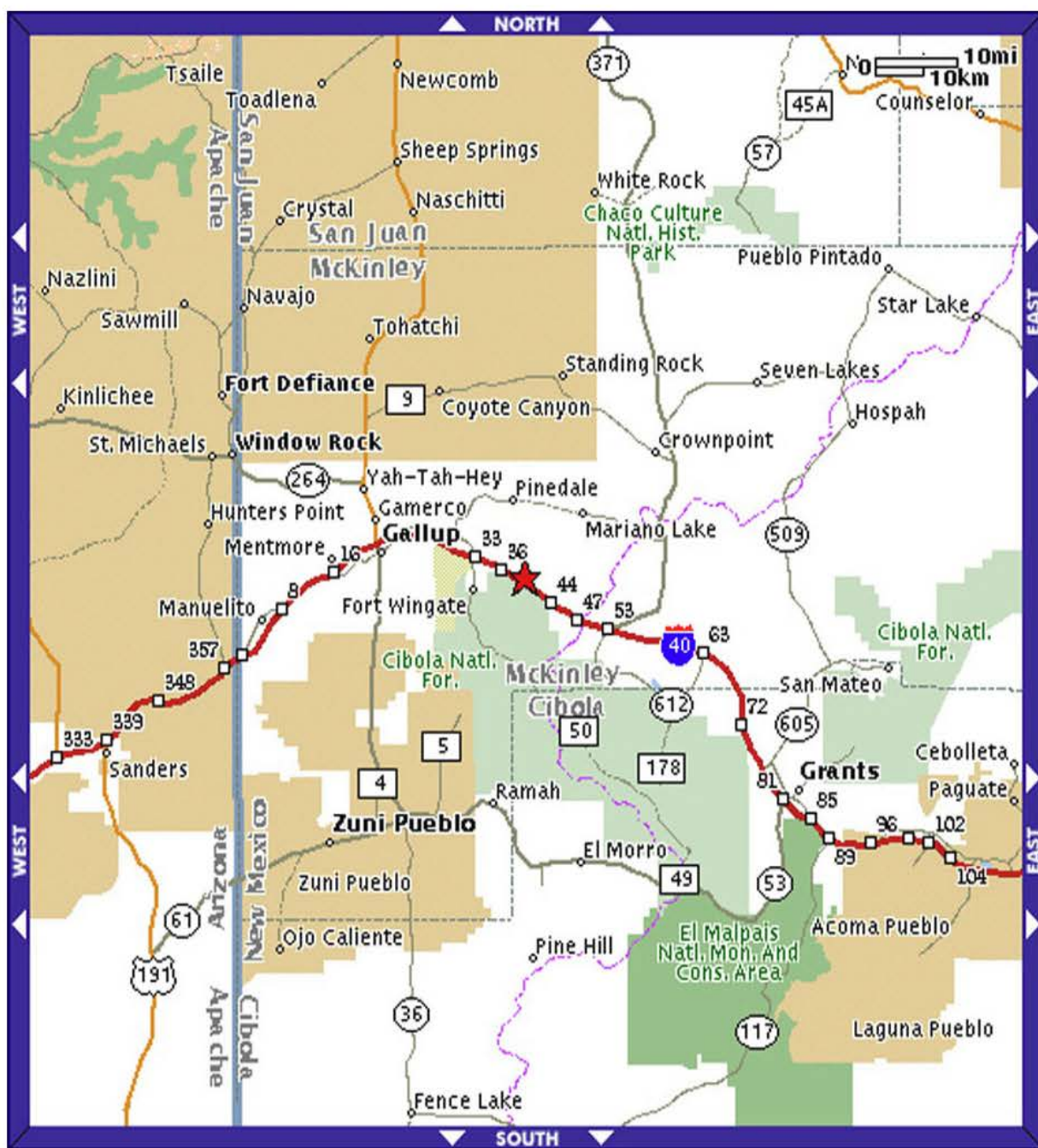


Figure 1: Regional map showing the location of the Gallup Refinery (red star along Interstate-40, 20 miles east of the City of Gallup).

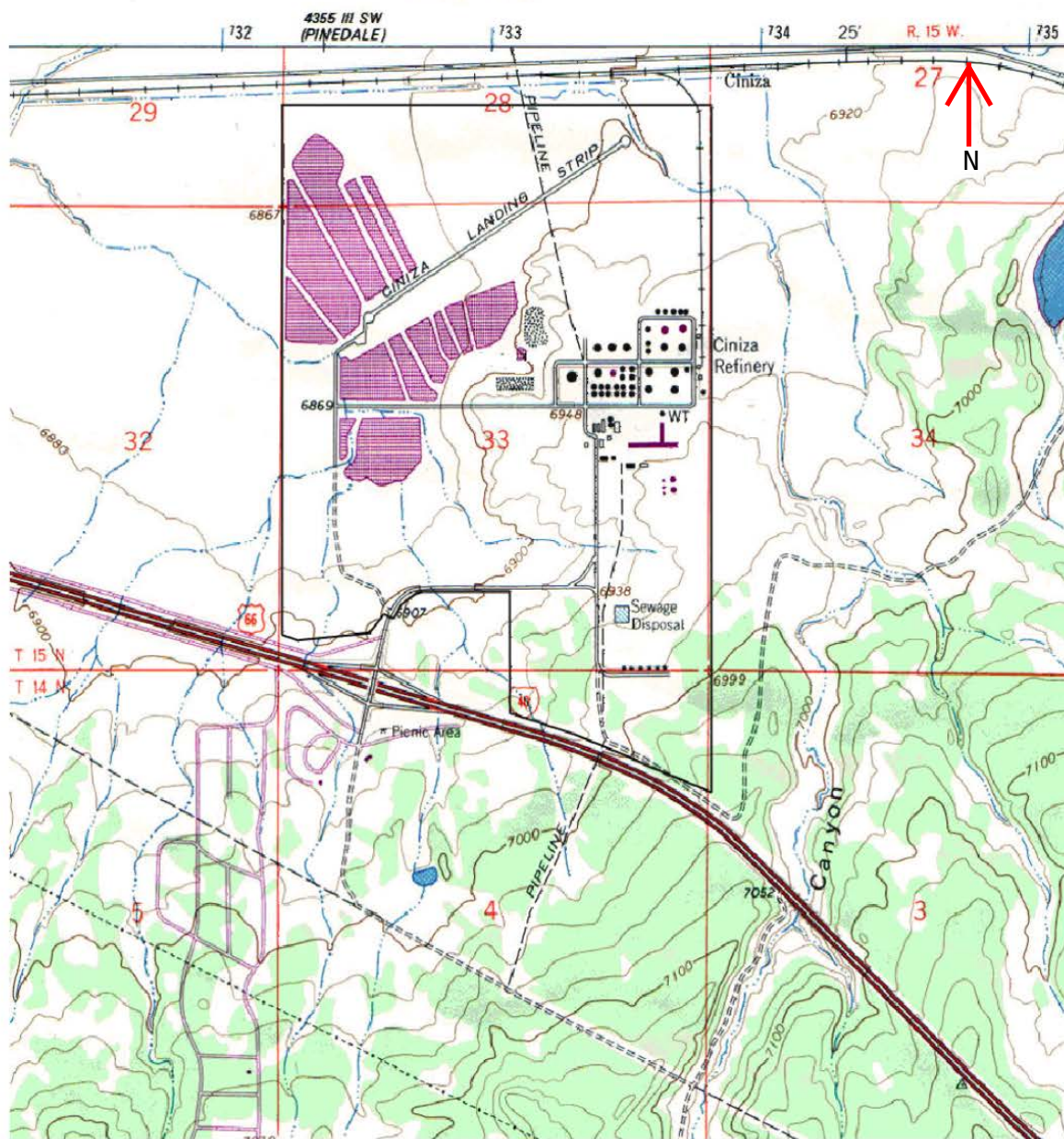
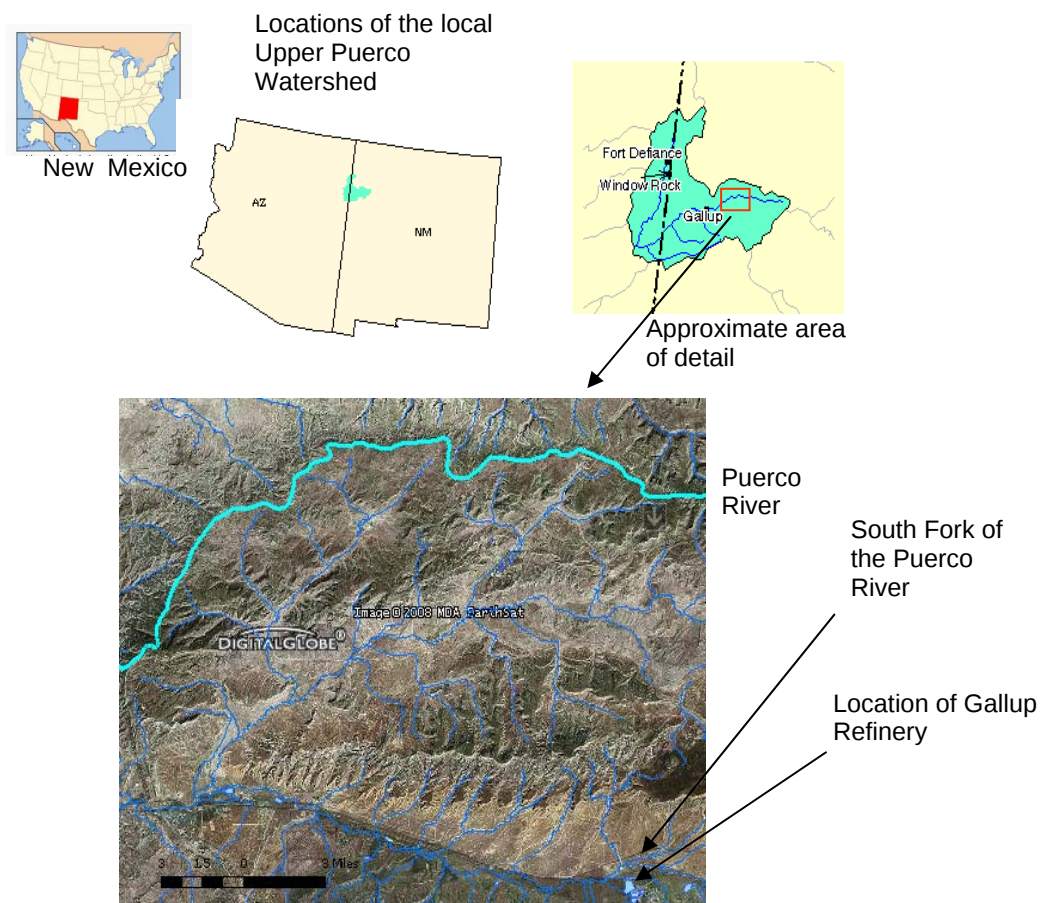


Figure 2: Topographic Map of the Gallup Refinery Site - USGS Topographical Map - Gallup Quadrangle (Revised 1980)



Figure 3: Aerial photograph of the Gallup Refinery

Figure 4: Regional scale: Flow lines and major surface water bodies (from: EPA Enviromapper - <http://map24.epa.gov/EMR/?ZoomToWatershed=15020006>) North is towards the top of the page.



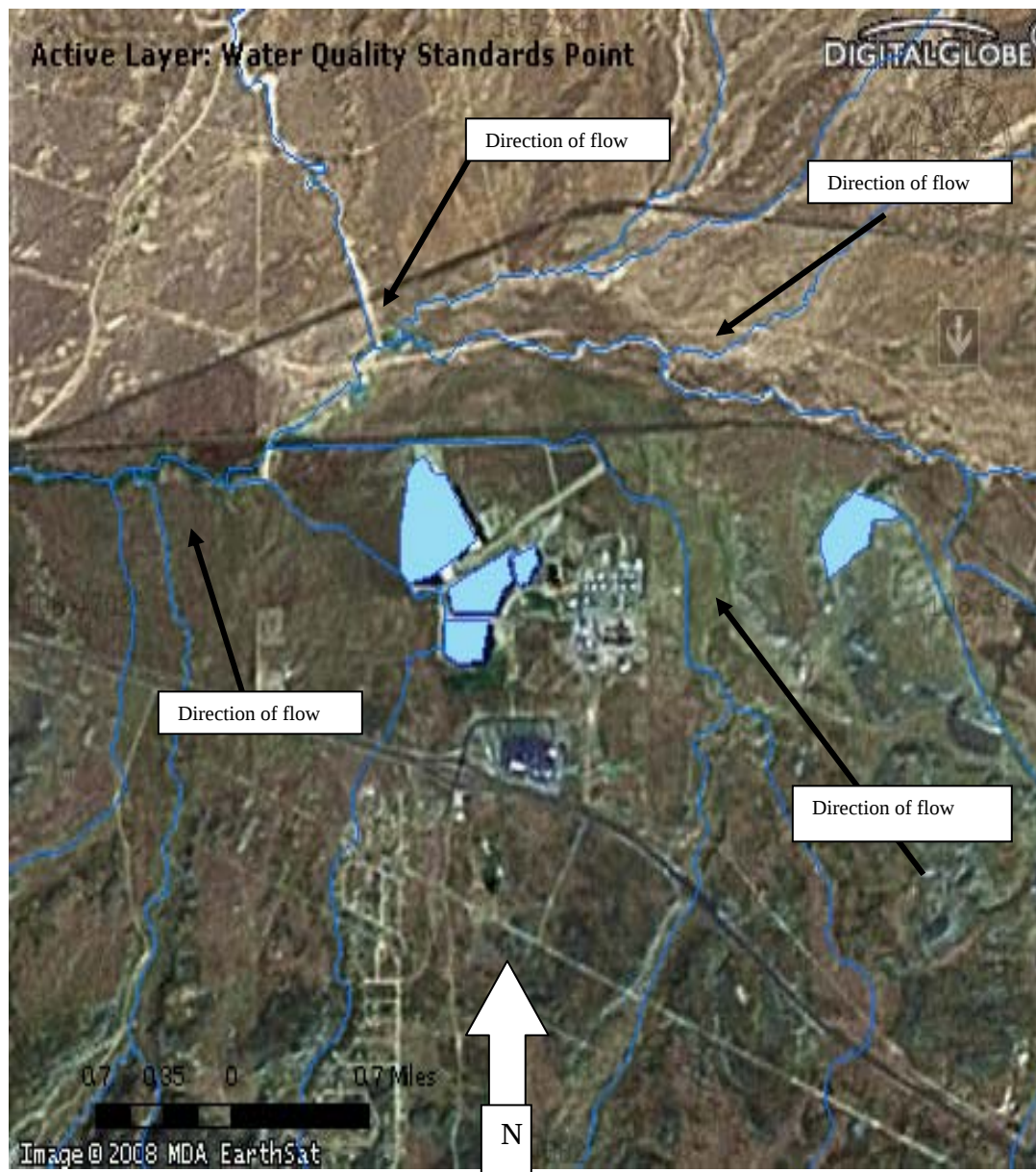
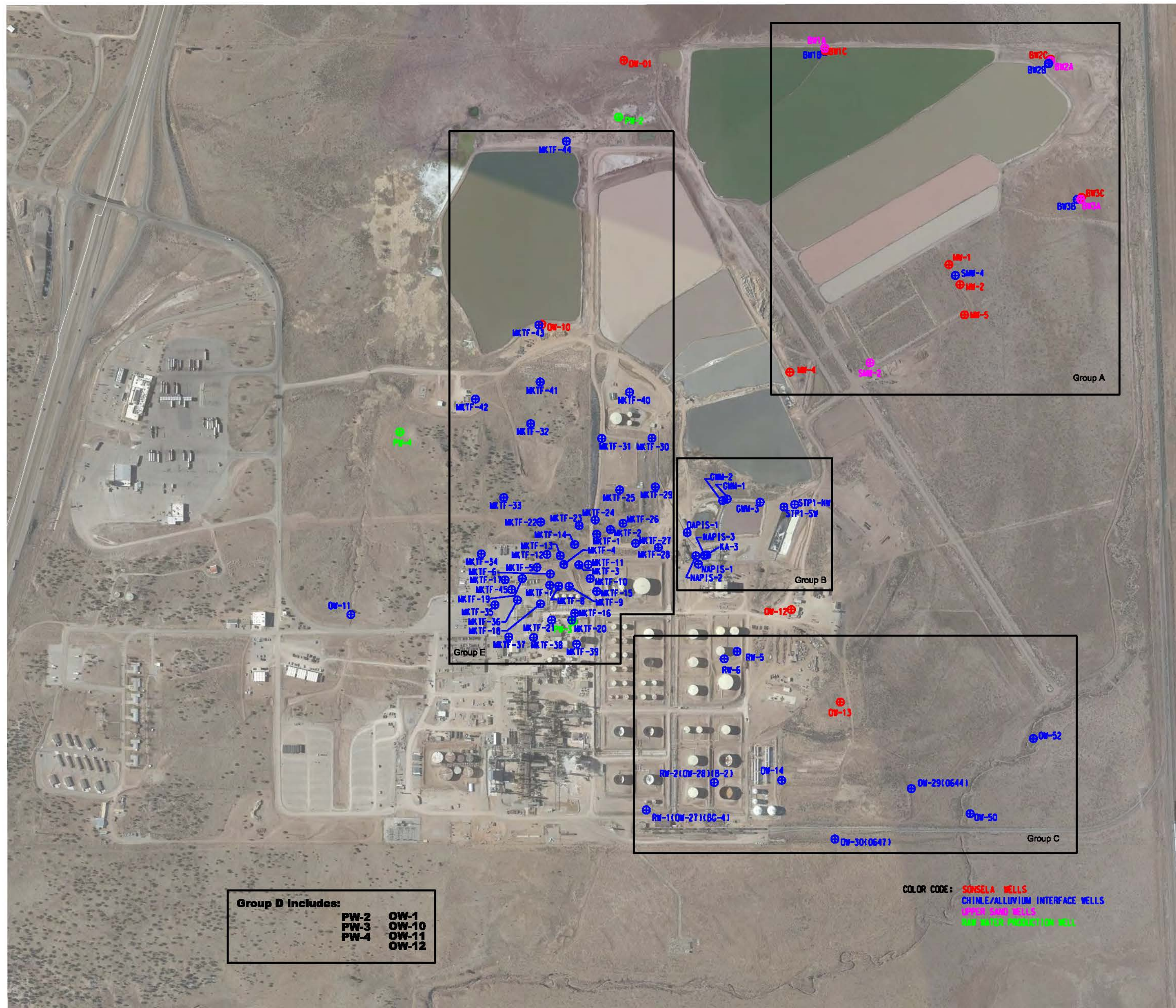
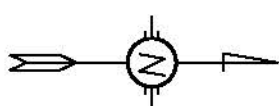


Figure 5: Localized scale: Flow lines and major surface water bodies (from: EPA Enviromapper - <http://map24.epa.gov/EMR/?ZoomToWatershed=15020006>) North is towards the top of the page. The pond to the east is Jon Myers' Livestock Pond.



4601 Ripley
El Paso, Texas
79922
915-584-1317

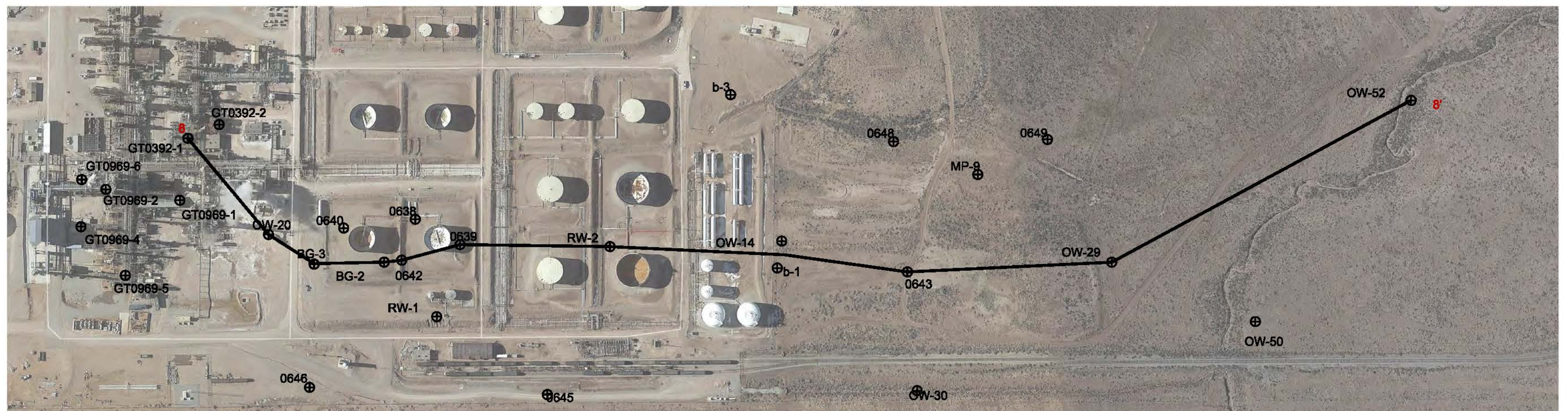


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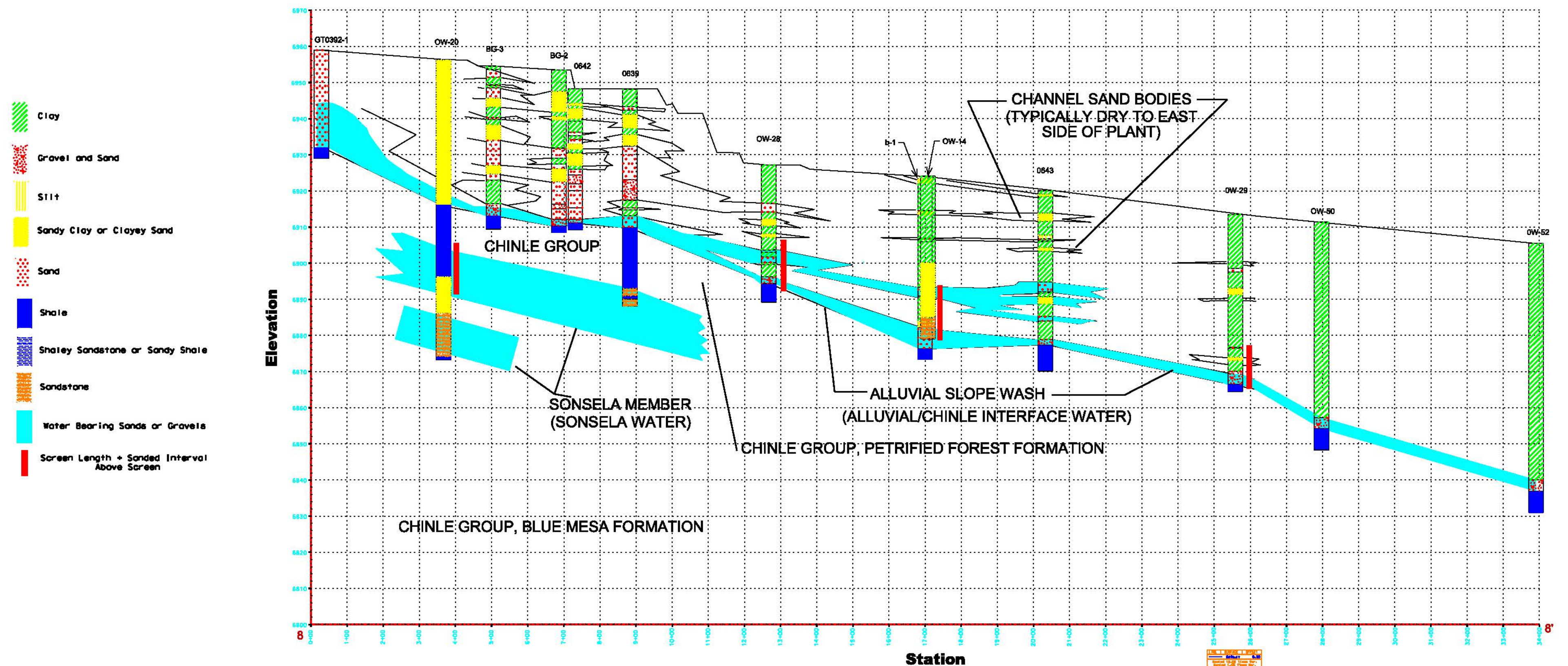
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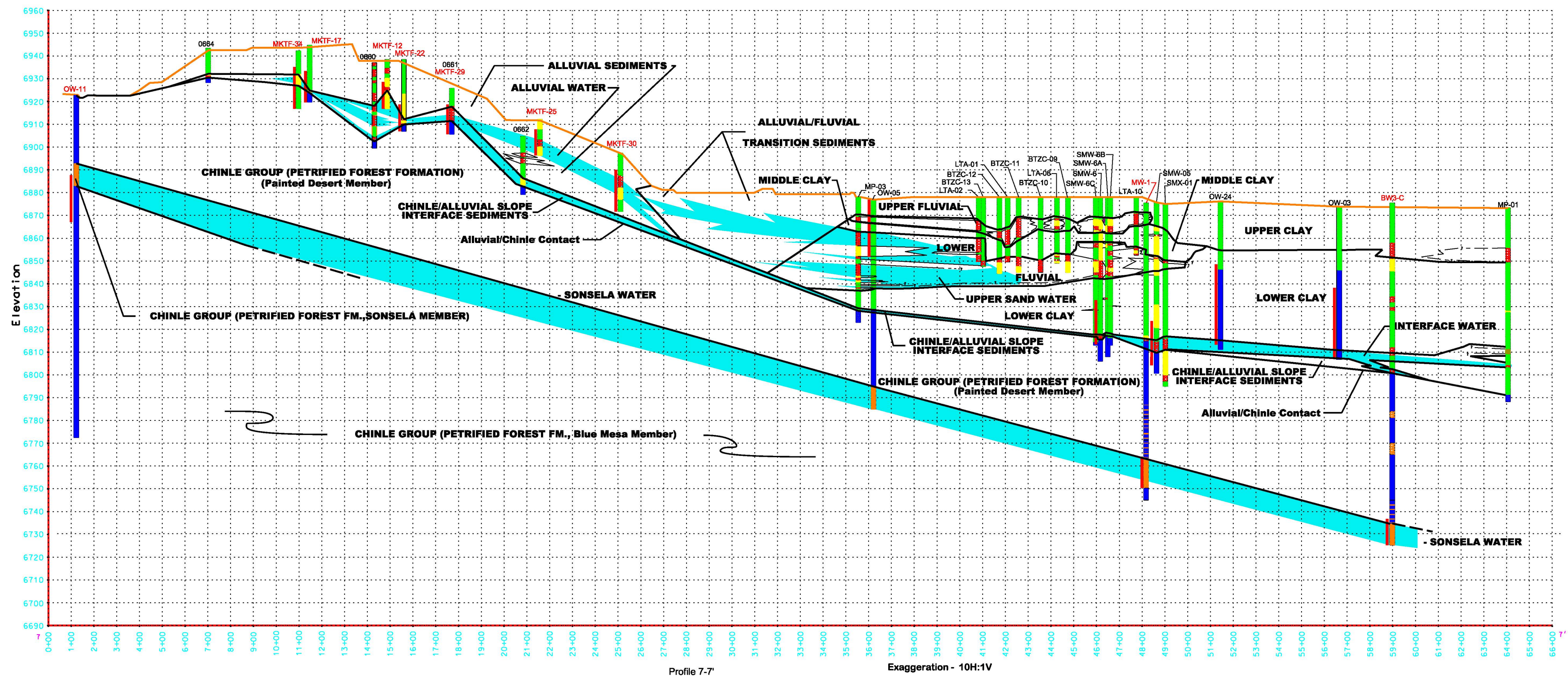
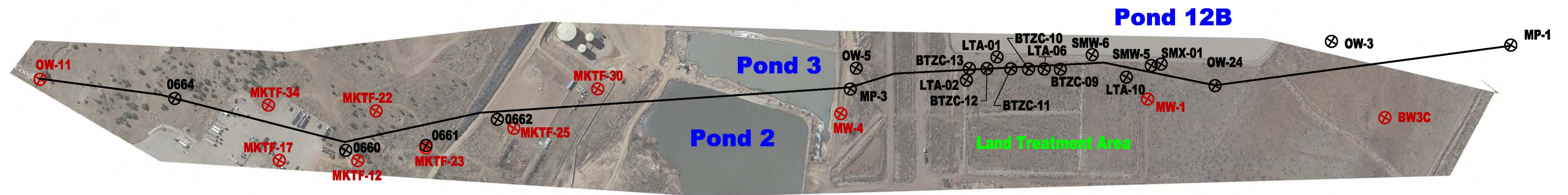
Figure 6
FACILITIES AND WELL GROUPS
WESTERN REFINING - GALLUP REFINERY

Western Refining - Gallup Refinery
92 Giant Crossing Road
Gallup, New Mexico 87301
Date: February 26, 2015



Profile East 8-8'

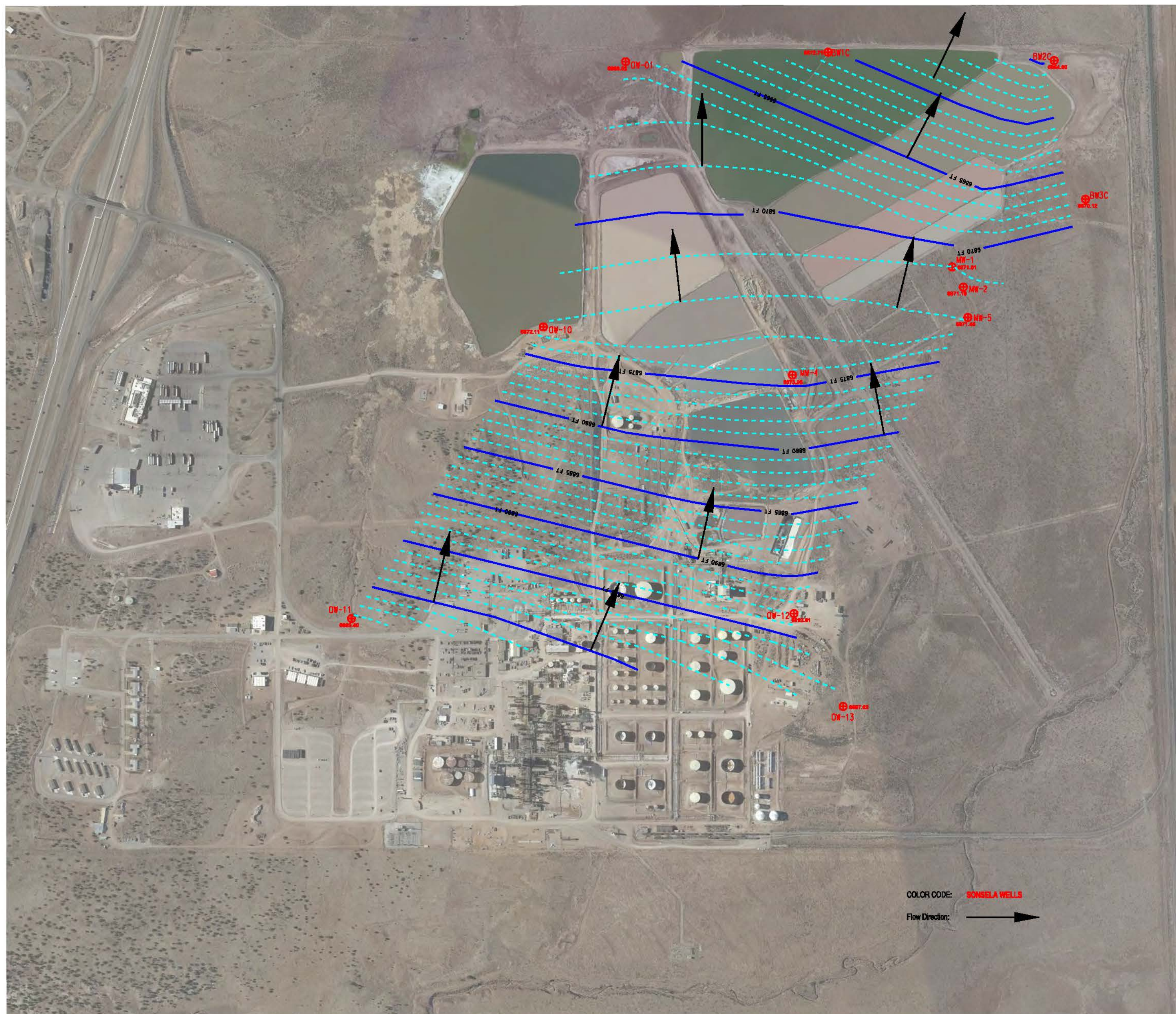


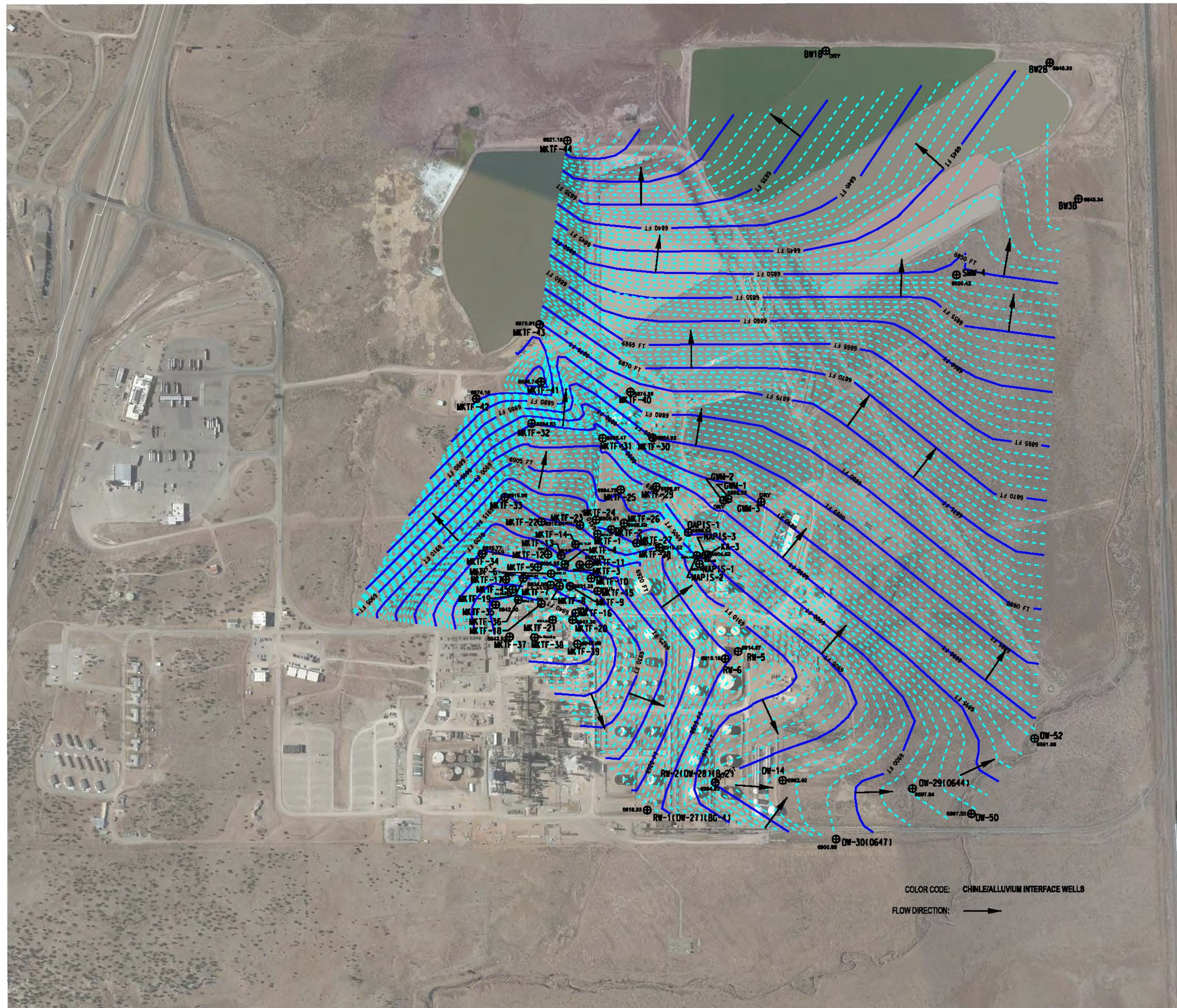


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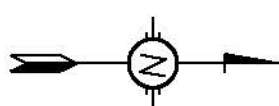
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|---|--|---|
| <ul style="list-style-type: none"> — CLAY — SANDY CLAY OR CLAYEY SAND — SAND — SILT | <ul style="list-style-type: none"> — SHALE (CHINLE GROUP) — SANDSTONE (NOT PART OF THE SONSELA) — SONSELA SANDSTONE MEMBER (CHINLE GROUP) — PROFILE LINE | <ul style="list-style-type: none"> — WATER BEARING ZONE — SCREENED INTERVAL <ul style="list-style-type: none"> ⊗ OW-XX ⊗ MW-XX ⊗ MKTF-XX ⊗ BW3-C ⊗ LTA-10 — BORING OR CLOSED WELL |
|---|--|---|

Figure 8
S - N Section - Westerly Plant Area
WESTERN REFINING - GALLUP REFINERY





4601 Ripley
El Paso, Texas
79922
915-594-1317



1"=500'

Project #: 0625859

Figure 10
Alluvium/Chinle Gp Interface Water Elevation Map
WESTERN REFINING - GALLUP REFINERY

Western Refining - Gallup Refinery
92 Giant Crossing Road
Gallup, New Mexico 87301
Date: February 26, 2015