

Tables

Table 1
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
Summary of Weather Data

DATE	HIGH AMBIENT TEMPERATURE (°F)	LOW AMBIENT TEMPERATURE (°F)	PRECIPITATION (inches)	WIND SPEED (mph)	REMARKS
Saturday, November 01, 2014	50	30	-	Gusts to 16	-
Sunday, November 02, 2014	-	-	-	-	No work performed
Monday, November 03, 2014	41	24	Evening Snow	Gusts to 21	-
Tuesday, November 04, 2014	42	18	-	Gusts to 11	-
Wednesday, November 05, 2014	48	29	-	Gusts to 21	-
Thursday, November 06, 2014	57	41	-	Gusts to 18	-
Friday, November 07, 2014	54	29	-	Gusts to 22	-
Saturday, November 08, 2014	53	25	-	Gusts to 26	-
Sunday, November 09, 2014	-	-	-	-	No work performed
Monday, November 10, 2014	49	14	-	Gusts to 44	PM Light snow fall
Tuesday, November 11, 2014	27	3	-	Gusts to 27	-
Wednesday, November 12, 2014	7	-8	Light Snow	Gusts to 8	-
Thursday, November 13, 2014	30	3	-	Gusts to 22	-
Friday, November 14, 2014	37	19	-	Gusts to 32	-
Saturday, November 15, 2014	34	4	PM Snow	Gusts to 32	-
Sunday, November 16, 2014	-	-	-	-	No work performed
Monday, November 17, 2014	24	4	-	Gusts to 25	-
Tuesday, November 18, 2014	32	11	-	Gusts to 25	-
Wednesday, November 19, 2014	41	21	-	Gusts to 28	-
Thursday, November 20, 2014	30	28	-	Gusts to 13	-
Friday, November 21, 2014	40	24	-	Gusts to 16	-
Saturday, November 22, 2014	-	-	-	-	No work performed
Sunday, November 23, 2014	-	-	-	-	No work performed
Monday, November 24, 2014	21	6	Light PM Snow	Gusts to 28	-
Tuesday, November 25, 2014	26	6	-	Gusts to 38	-
Wednesday, November 26, 2014	42	22	-	Gusts to 32	-
Thursday, November 27, 2014	-	-	-	-	No work performed
Friday, November 28, 2014	-	-	-	-	No work performed
Saturday, November 29, 2014	-	-	-	-	No work performed
Sunday, November 30, 2014	-	-	-	-	No work performed
Monday, December 01, 2014	37	20	-	Gusts to 28	
Tuesday, December 02, 2014	45	25	-	Gusts to 27	
Wednesday, December 03, 2014	40	28	-	Gusts to 29	
Thursday, December 04, 2014	38	28	-	Gusts to 19	
Friday, December 05, 2014	43	26	-	Gusts to 26	
Saturday, December 06, 2014	-	-	-	-	No work performed
Sunday, December 07, 2014	-	-	-	-	No work performed
Monday, December 08, 2014	49	22	-	Gusts to 10	
Tuesday, December 09, 2014	49	27	-	Gusts to 9	
Wednesday, December 10, 2014	49	27	-	Gusts to 15	
Thursday, December 11, 2014	50	30	-	Gusts to 12	
Friday, December 12, 2014	56	26	-	Gusts to 13	
Saturday, December 13, 2014	-	-	-	-	No work performed
Sunday, December 14, 2014	-	-	-	-	No work performed
Monday, December 15, 2014	20	13	-	Gusts to 28	
Tuesday, December 16, 2014	38	18	-	Gusts to 26	
Wednesday, December 17, 2014	26	19	-	Gusts to 8	
Thursday, December 18, 2014	32	15	-	Gusts to 13	
Friday, December 19, 2014	26	13	-	Gusts to 23	
Saturday, December 20, 2014	-	-	-	-	No work performed
Sunday, December 21, 2014	-	-	-	-	No work performed
Monday, December 22, 2014	-	-	-	-	No work performed
Tuesday, December 23, 2014	-	-	-	-	No work performed
Wednesday, December 24, 2014	-	-	-	-	No work performed
Thursday, December 25, 2014	-	-	-	-	No work performed
Friday, December 26, 2014	-	-	-	-	No work performed
Saturday, December 27, 2014	-	-	-	-	No work performed
Sunday, December 28, 2014	-	-	-	-	No work performed
Monday, December 29, 2014	-	-	-	-	No work performed
Tuesday, December 30, 2014	-	-	-	-	No work performed
Wednesday, December 31, 2014	-	-	-	-	No work performed
Thursday, January 01, 2015	-	-	-	-	No work performed
Friday, January 02, 2015	-	-	-	-	No work performed
Saturday, January 03, 2015	-	-	-	-	No work performed

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Sunday, January 04, 2015	-	-	-	-	No work performed
Monday, January 05, 2015	42	22	-	Gusts to 40	
Tuesday, January 06, 2015	38	31	-	Gusts to 21	
Wednesday, January 07, 2015	45	27	-	Gusts to 24	
Thursday, January 08, 2015	46	18	-	Gusts to 18	
Friday, January 09, 2015	38	15	-	Gusts to 16	
Saturday, January 10, 2015	44	24	-	Gusts to 21	
Sunday, January 11, 2015	38	25	-	Gusts to 15	Snow Fall
Monday, January 12, 2015	-	-	-	-	No work performed
Tuesday, January 13, 2015	21	19	-	Gusts to 8	PM Light snow fall
Wednesday, January 14, 2015	35	15	-	Gusts to 20	
Thursday, January 15, 2015	39	22	-	Gusts to 16	
Friday, January 16, 2015	39	26	-	Gusts to 28	
Saturday, January 17, 2015	35	18	-	Gusts to 35	
Sunday, January 18, 2015	-	-	-	-	No work performed
Monday, January 19, 2015	32	27	-	Gusts to 27	
Tuesday, January 20, 2015	31	17	-	Gusts to 19	PM Snowfall
Wednesday, January 21, 2015	-	-	-	-	No work performed due to snow
Thursday, January 22, 2015	-	-	-	-	No work performed due to snow
Friday, January 23, 2015	36	17	-	Gusts to 31	
Saturday, January 24, 2015	34	18	-	Gusts to 28	
Sunday, January 25, 2015	-	-	-	-	No work performed
Monday, January 26, 2015	52	33	-	Gusts to 21	
Tuesday, January 27, 2015	52	36	-	Gusts to 25	
Wednesday, January 28, 2015	36	26	-	Gusts to 50	
Thursday, January 29, 2015	28	21	-	Gusts to 15	only ore haul performed
Friday, January 30, 2015	35	24	-	Gusts to 10	
Saturday, January 31, 2015	-	-	-	-	No work performed
Sunday, February 01, 2015	-	-	-	-	No work performed
Monday, February 02, 2015	37	16	-	Gusts to 30	
Tuesday, February 03, 2015	43	23	-	Gusts to 27	
Wednesday, February 04, 2015	32	26	-	Gusts to 30	
Thursday, February 05, 2015	45	27	-	Gusts to 23	
Friday, February 06, 2015	52	33	-	Gusts to 23	
Saturday, February 07, 2015	51	31	-	Gusts to 29	
Sunday, February 08, 2015	-	-	-	-	
Monday, February 09, 2015	51	29	-	Gusts to 28	
Tuesday, February 10, 2015	44	22	-	Gusts to 21	
Wednesday, February 11, 2015	23	22	-	Calm N/A	Limited work activities due to snow
Thursday, February 12, 2015	39	19	-	Gusts to 20	
Friday, February 13, 2015	51	25	-	Gusts to 9	
Saturday, February 14, 2015	55	31	-	Gusts to 19	
Sunday, February 15, 2015	45	9	-	Gusts to 16	
Monday, February 16, 2015	25	9	-	Gusts to 10	
Tuesday, February 17, 2015	27	6	-	Gusts to 27	
Wednesday, February 18, 2015	35	16	-	Gusts to 26	
Thursday, February 19, 2015	42	26	-	Gusts to 27	
Friday, February 20, 2015	38	16	-	Gusts to 38	
Saturday, February 21, 2015	23	8	-	Gusts to 15	
Sunday, February 22, 2015	4	-3	-	Gusts to 10	
Monday, February 23, 2015	29	-2	-	Gusts to 11	No fill placement due to snow
Tuesday, February 24, 2015	29	14	-	Gusts to 21	
Wednesday, February 25, 2015	30	13	-	Gusts to 32	
Thursday, February 26, 2015	31	-3	-	Gusts to 12	No fill placement due to snow
Friday, February 27, 2015	25	-4	-	Gusts to 14	No fill placement due to snow
Saturday, February 28, 2015	30	10	-	Gusts to 16	
Sunday, March 01, 2015	31	16	-	Gusts to 25	
Monday, March 02, 2015	34	22	-	Gusts to 44	
Tuesday, March 03, 2015	27	12	-	Gusts to 24	
Wednesday, March 04, 2015	17	1	-	Gusts to 24	
Thursday, March 05, 2015	31	6	-	Gusts to 26	
Friday, March 06, 2015	40	18	-	Gusts to 22	
Saturday, March 07, 2015	40	23	-	Gusts to 15	
Sunday, March 08, 2015	38	22	-	Gusts to 16	

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Monday, March 09, 2015	42	19	-	Gusts to 15	
Tuesday, March 10, 2015	48	23	-	Gusts to 19	
Wednesday, March 11, 2015	50	23	-	Gusts to 15	
Thursday, March 12, 2015	49	28	-	Gusts to 19	
Friday, March 13, 2015	38	26	-	Gusts to 20	
Saturday, March 14, 2015	49	21	-	Gusts to 11	
Sunday, March 15, 2015	63	34	-	Gusts to 15	
Monday, March 16, 2015	63	38	-	Gusts to 24	
Tuesday, March 17, 2015	46	27	-	Gusts to 13	
Wednesday, March 18, 2015	50	32	-	Gusts to 14	
Thursday, March 19, 2015	34	27	-	Gusts to 16	
Friday, March 20, 2015	49	22	-	Gusts to 10	
Saturday, March 21, 2015	51	28	-	Gusts to 16	
Sunday, March 22, 2015	53	32	-	Gusts to 20	
Monday, March 23, 2015	47	25	-	Gusts to 38	
Tuesday, March 24, 2015	43	19	-	Gusts to 35	
Wednesday, March 25, 2015	29	16	-	Gusts to 27	
Thursday, March 26, 2015	45	17	-	Gusts to 26	
Friday, March 27, 2015	54	30	-	Gusts to 26	
Saturday, March 28, 2015	58	34	-	Gusts to 23	
Sunday, March 29, 2015	-	-	-	-	
Monday, March 30, 2015	56	35	-	Gusts to 19	
Tuesday, March 31, 2015	59	34	-	Gusts to 34	
Wednesday, April 01, 2015	53	31	-	Gusts to 35	
Thursday, April 02, 2015	31	28	-	Gusts to 14	
Friday, April 03, 2015	34	16	-	Gusts to 18	
Saturday, April 04, 2015	48	21	-	Gusts to 24	
Sunday, April 05, 2015	-	-	-	-	
Monday, April 06, 2015	53	34	-	Gusts to 28	
Tuesday, April 07, 2015	51	31	-	Gusts to 27	
Wednesday, April 08, 2015	48	26	-	Gusts to 40	
Thursday, April 09, 2015	44	18	-	Gusts to 21	
Friday, April 10, 2015	-	-	-	Gusts to	
Saturday, April 11, 2015	-	-	-	Gusts to	
Sunday, April 12, 2015	-	-	-	Gusts to	
Monday, April 13, 2015	-	-	-	Gusts to	
Tuesday, April 14, 2015	-	-	-	Gusts to	
Wednesday, April 15, 2015	45	28	-	Gusts to 43	
Thursday, April 16, 2015	32	23	-	Gusts to 21	
Friday, April 17, 2015	29	19	-	Gusts to 23	
Saturday, April 18, 2015	36	16	-	Gusts to 35	
Sunday, April 19, 2015	34	20	-	Gusts to 37	
Monday, April 20, 2015	41	21	-	Gusts to 25	
Tuesday, April 21, 2015	51	26	-	Gusts to 25	
Wednesday, April 22, 2015	53	29	-	Gusts to 21	
Thursday, April 23, 2015	50	29	-	Gusts to 25	
Friday, April 24, 2015	49	29	-	Gusts to 21	
Saturday, April 25, 2015	50	29	-	Gusts to 23	
Sunday, April 26, 2015	40	28	-	Gusts to 12	
Monday, April 27, 2015	39	26	-	Gusts to 15	
Tuesday, April 28, 2015	30	44	-	Gusts to 16	
Wednesday, April 29, 2015	60	34	-	Gusts to 15	
Thursday, April 30, 2015	59	33	-	Gusts to 17	
Friday, May 01, 2015	58	32	-	Gusts to 20	
Saturday, May 02, 2015	50	28	-	Gusts to 23	
Sunday, May 03, 2015	50	38	-	Gusts to 18	
Monday, May 04, 2015	48	42	-	Gusts to 25	
Tuesday, May 05, 2015	42	33	-	Gusts to 10	
Wednesday, May 06, 2015	50	33	-	Gusts to 22	
Thursday, May 07, 2015	37	33	-	Gusts to 11	
Friday, May 08, 2015	38	30	-	Gusts to 19	
Saturday, May 09, 2015	41	31	-	Gusts to 23	
Sunday, May 10, 2015	-	-	-	Gusts to	No work performed
Monday, May 11, 2015	46	34	-	Gusts to 16	

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Tuesday, May 12, 2015	52	35	-	Gusts to 20	
Wednesday, May 13, 2015	50	35	-	Gusts to 14	
Thursday, May 14, 2015	51	34	-	Gusts to 26	
Friday, May 15, 2015	49	32	-	Gusts to 25	
Saturday, May 16, 2015	47	27	-	Gusts to 28	
Sunday, May 17, 2015	53	26	-	Gusts to 22	No work performed
Monday, May 18, 2015	44	32	-	Gusts to 8	
Tuesday, May 19, 2015	33	30	-	Gusts to 14	snow
Wednesday, May 20, 2015	59	18	-	Gusts to 28	
Thursday, May 21, 2015	46	30	-	Gusts to 21	
Friday, May 22, 2015	36	28	-	Gusts to 18	Snow
Saturday, May 23, 2015	40	29	-	Gusts to 22	Rain / snow
Sunday, May 24, 2015	-	-	-	Gusts to	No work performed
Monday, May 25, 2015	-	-	-	Gusts to	No work performed
Tuesday, May 26, 2015	33	30	-	Gusts to 14	evening rain/snow
Wednesday, May 27, 2015	52	36	-	Gusts to 19	
Thursday, May 28, 2015	57	39	-	Gusts to 32	
Friday, May 29, 2015	55	31	-	Gusts to 23	
Saturday, May 30, 2015	59	34	-	Gusts to 18	
Sunday, May 31, 2015	66	40	-	Gusts to 19	
Monday, June 01, 2015	68	42	-	Gusts to 18	afternoon rain
Tuesday, June 02, 2015	69	44	-	Gusts to 21	
Wednesday, June 03, 2015	66	47	-	Gusts to 22	
Thursday, June 04, 2015	68	46	-	Gusts to 20	
Friday, June 05, 2015	70	44	-	Gusts to 21	Rain
Saturday, June 06, 2015	60	45	-	Gusts to 26	
Sunday, June 07, 2015	58	43	-	Gusts to 30	
Monday, June 08, 2015	63	41	-	Gusts to 21	
Tuesday, June 09, 2015	70	49	-	Gusts to 25	
Wednesday, June 10, 2015	62	51	-	Gusts to 20	Rain
Thursday, June 11, 2015	61	44	-	Gusts to 32	
Friday, June 12, 2015	54	41	-	Gusts to 18	Rain
Saturday, June 13, 2015	61	44	-	Gusts to 32	
Sunday, June 14, 2015	-	-	-	Gusts to	
Monday, June 15, 2015	62	43	-	Gusts to 26	Rain
Tuesday, June 16, 2015	69	45	-	Gusts to 23	
Wednesday, June 17, 2015	74	44	-	Gusts to 21	
Thursday, June 18, 2015	77	46	-	Gusts to 26	
Friday, June 19, 2015	78	49	-	Gusts to 23	
Saturday, June 20, 2015	77	54	-	Gusts to 21	
Sunday, June 21, 2015	79	52	-	Gusts to 23	
Monday, June 22, 2015	78	53	-	Gusts to 30	
Tuesday, June 23, 2015	78	51	-	Gusts to 27	
Wednesday, June 24, 2015	80	51	-	Gusts to 25	
Thursday, June 25, 2015	73	50	-	Gusts to 36	afternoon rain
Friday, June 26, 2015	71	46	-	Gusts to 19	
Saturday, June 27, 2015	74	48	-	Gusts to 22	
Sunday, June 28, 2015	71	49	-	Gusts to 31	
Monday, June 29, 2015	74	50	-	Gusts to 22	
Tuesday, June 30, 2015	82	48	-	Gusts to 19	
Wednesday, July 01, 2015	75	51	-	Gusts to 15	afternoon and evening rain
Thursday, July 02, 2015	67	49	-	Gusts to 29	
Friday, July 03, 2015	74	45	-	Gusts to 18	
Saturday, July 04, 2015	78	49	-	Gusts to 27	
Sunday, July 05, 2015	74	52	-	Gusts to 15	
Monday, July 06, 2015	62	50	-	Gusts to 14	
Tuesday, July 07, 2015	55	43	-	Gusts to 13	
Wednesday, July 08, 2015	55	46	-	Gusts to 13	
Thursday, July 09, 2015	59	42	-	Gusts to 19	
Friday, July 10, 2015	67	42	-	Gusts to 20	
Saturday, July 11, 2015	69	47	-	Gusts to 20	
Sunday, July 12, 2015	73	48	-	Gusts to 16	
Monday, July 13, 2015	67	53	-	Gusts to 21	
Tuesday, July 14, 2015	69	47	-	Gusts to 16	

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Wednesday, July 15, 2015	71	45	-	Gusts to 21	
Thursday, July 16, 2015	70	45	-	Gusts to 22	
Friday, July 17, 2015	73	50	-	Gusts to 23	
Saturday, July 18, 2015	71	47	-	Gusts to 22	
Sunday, July 19, 2015	70	47	-	Gusts to 15	
Monday, July 20, 2015	59	47	-	Gusts to 18	
Tuesday, July 21, 2015	64	47	-	Gusts to 19	
Wednesday, July 22, 2015	73	46	-	Gusts to 15	
Thursday, July 23, 2015	76	49	-	Gusts to 24	
Friday, July 24, 2015	74	52	-	Gusts to 16	
Saturday, July 25, 2015	78	49	-	Gusts to 21	
Sunday, July 26, 2015	74	54	-	Gusts to 22	
Monday, July 27, 2015	73	57	-	Gusts to 22	
Tuesday, July 28, 2015	70	48	-	Gusts to 21	
Wednesday, July 29, 2015	63	44	-	Gusts to 18	
Thursday, July 30, 2015	68	56	-	Gusts to 13	
Friday, July 31, 2015	70	49	-	Gusts to 21	
Saturday, August 01, 2015	79	49	-	Gusts to 16	
Sunday, August 02, 2015	71	49	-	Gusts to 15	
Monday, August 03, 2015	67	47	-	Gusts to 20	
Tuesday, August 04, 2015	45	70	-	Gusts to 29	
Wednesday, August 05, 2015	76	47	-	Gusts to 26	
Thursday, August 06, 2015	77	53	-	Gusts to 28	
Friday, August 07, 2015	73	52	-	Gusts to 25	
Saturday, August 08, 2015	70	50	-	Gusts to 18	
Sunday, August 09, 2015	72	49	-	Gusts to 18	
Monday, August 10, 2015	62	47	-	Gusts to 18	
Tuesday, August 11, 2015	69	46	-	Gusts to 19	
Wednesday, August 12, 2015	73	49	-	Gusts to 22	
Thursday, August 13, 2015	77	51	-	Gusts to 29	
Friday, August 14, 2015	71	50	-	Gusts to 16	
Saturday, August 15, 2015	81	53	-	Gusts to 16	Rain
Sunday, August 16, 2015	74	49	-	Gusts to 30	Rain
Monday, August 17, 2015	73	47	-	Gusts to 30	
Tuesday, August 18, 2015	65	41	-	Gusts to 18	
Wednesday, August 19, 2015	59	37	-	Gusts to 16	Fog and Rain
Thursday, August 20, 2015	71	42	-	Gusts to 22	
Friday, August 21, 2015	72	48	-	Gusts to 26	
Saturday, August 22, 2015	74	49	-	Gusts to 27	
Sunday, August 23, 2015	76	48	-	Gusts to 32	
Monday, August 24, 2015	79	49	-	Gusts to 29	
Tuesday, August 25, 2015	74	48	-	Gusts to 26	
Wednesday, August 26, 2015	74	49	-	Gusts to 26	
Thursday, August 27, 2015	68	47	-	Gusts to 20	
Friday, August 28, 2015	70	46	-	Gusts to 20	
Saturday, August 29, 2015	70	45	-	Gusts to 19	
Sunday, August 30, 2015	75	49	-	Gusts to 18	
Monday, August 31, 2015	69	48	-	Gusts to 26	
Tuesday, September 01, 2015	71	46	-	Gusts to 18	
Wednesday, September 02, 2015	73	47	-	Gusts to 16	
Thursday, September 03, 2015	64	48	-	Gusts to 13	Afternoon Rain
Friday, September 04, 2015	65	46	-	Gusts to 20	
Saturday, September 05, 2015	62	44	-	Gusts to 21	
Sunday, September 06, 2015	68	46	-	Gusts to 19	
Monday, September 07, 2015	64	45	-	Gusts to 30	
Tuesday, September 08, 2015	69	45	-	Gusts to 19	
Wednesday, September 09, 2015	72	43	-	Gusts to 18	
Thursday, September 10, 2015	72	47	-	Gusts to 21	
Friday, September 11, 2015	65	42	-	Gusts to 13	
Saturday, September 12, 2015	73	44	-	Gusts to 19	
Sunday, September 13, 2015	70	44	-	Gusts to 23	
Monday, September 14, 2015	68	46	-	Gusts to 23	
Tuesday, September 15, 2015	65	47	-	Gusts to 33	
Wednesday, September 16, 2015	65	45	-	Gusts to 26	

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DATE	HIGH AMBIENT TEMPERATURE (°F)	LOW AMBIENT TEMPERATURE (°F)	PRECIPITATION (inches)	WIND SPEED (mph)	REMARKS
Thursday, September 17, 2015	65	45	-	Gusts to 19	
Friday, September 18, 2015	59	37	-	Gusts to 21	
Saturday, September 19, 2015	63	33	-	Gusts to 19	
Sunday, September 20, 2015	69	42	-	Gusts to 22	
Monday, September 21, 2015	72	44	-	Gusts to 15	
Tuesday, September 22, 2015	67	44	-	Gusts to 14	
Wednesday, September 23, 2015	62	43	-	Gusts to 24	
Thursday, September 24, 2015	65	42	-	Gusts to 22	
Friday, September 25, 2015	70	40	-	Gusts to 18	

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
11/3/14	6:45 AM	52	-	STA 35+00 to STA 49+00
	7:30 AM	46	-	STA 35+00 to STA 49+00
	8:25 AM	30	-	STA 35+00 to STA 49+00
	9:40 AM	52	-	STA 35+00 to STA 49+00
	10:30 AM	46	-	STA K38+00
	11:30 AM	30	-	STA K38+00
11/7/14	7:30 AM	25	42	Ball Mill Haul Road Site
	8:00 AM	41	44	Dump 4 Waste Area
	8:30 AM	34	44	Ball Mill Haul Road Site
	9:30 AM	37	44	Ball Mill Haul Road Site
11/10/14	7:00 AM	46	-	Above bench 9850
	9:00 PM	34	41	Phase 2- Haul Road STA 75+00 to STA 73+00
	10:00 PM	32	41	Phase 2- Haul Road STA 75+00 to STA 73+00
	11:00 PM	28	41	Phase 2- Haul Road STA 75+00 to STA 73+00
	12:00 AM	28	41	Phase 2- Haul Road STA 75+00 to STA 73+00
	1:00 AM	21	39	Phase 2- Haul Road STA 75+00 to STA 73+00
	2:00 AM	20	40	Phase 2- Haul Road STA 75+00 to STA 73+00
	3:00 AM	21	39	Phase 2- Haul Road STA 75+00 to STA 73+00
	4:00 AM	21	38	Phase 2- Haul Road STA 75+00 to STA 73+00
	5:00 AM	18	40	Phase 2- Haul Road STA 75+00 to STA 73+00
11/11/14	7:00 AM	9	31	Dump 4 Waste Area
	8:00 AM	13	33	Dump 4 Waste Area
	9:00 AM	28	41	Dump 4 Waste Area
	10:00 AM	33	40	ADR Haul Road between STA 20+00 and STA 25+00
	11:00 AM	37	42	ADR Haul Road between STA 20+00 and STA 25+00
	12:00 PM	40	-	ADR Haul Road between STA 20+00 and STA 25+00
	7:00 PM	14	41	Phase 2- Haul Road STA 75+00 to STA 73+00
	8:00 PM	10	40	Phase 2- Haul Road STA 75+00 to STA 73+00
	9:00 PM	8	39	Phase 2- Haul Road STA 75+00 to STA 73+00
	10:00 PM	2	39	Phase 2- Haul Road STA 75+00 to STA 73+00
	11:00 PM	0	39	Phase 2- Haul Road STA 75+00 to STA 73+00
	12:00 AM	0	39	Phase 2- Haul Road STA 75+00 to STA 73+00
	1:00 AM	-1	39	Phase 2- Haul Road STA 75+00 to STA 73+00
	2:00 AM	-4	39	Phase 2- Haul Road STA 75+00 to STA 73+00
	3:00 AM	-6	39	Phase 2- Haul Road STA 75+00 to STA 73+00
	4:00 AM	-7	38	Phase 2- Haul Road STA 75+00 to STA 73+00
	5:00 AM	-8	40	Phase 2- Haul Road STA 75+00 to STA 73+00
11/12/14	8:00 AM	-1	40	Dump 4 Waste Area
	9:00 PM	-9	50	Haul Road STA 75+00 to STA 72+00
	10:00 PM	-9	49	Haul Road STA 75+00 to STA 72+00
	11:00 PM	-10	50	Haul Road STA 75+00 to STA 72+00
	12:00 AM	-10	49	Haul Road STA 75+00 to STA 72+00
	1:00 AM	-10	48	Haul Road STA 75+00 to STA 72+00
	2:00 AM	-11	48	Haul Road STA 75+00 to STA 72+00
	3:00 AM	-12	46	Haul Road STA 75+00 to STA 72+00
	4:00 AM	-12	47	Haul Road STA 75+00 to STA 72+00
	5:00 AM	-4	48	Haul Road STA 75+00 to STA 72+00

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
11/13/2014	8:00 AM	16	42	Haul Road STA 72+00 tp STA 75+00
	9:00 AM	18	40	Haul Road STA 72+00 tp STA 75+00
	10:00 AM	22	43	Haul Road STA 72+00 tp STA 75+00
	11:00 AM	26	46	Haul Road STA 72+00 tp STA 75+00
	1:00 PM	34	-	Haul Road STA 72+00 tp STA 75+00
	2:00 PM	33	-	Haul Road STA 72+00 tp STA 75+00
	3:00 PM	35	-	Haul Road STA 72+00 tp STA 75+00
	4:00 PM	33	-	Haul Road STA 72+00 tp STA 75+00
	9:00 PM	25	40	Haul Road STA 73+00 to STA 68+00
	10:00 PM	24	40	Haul Road STA 73+00 to STA 68+00
	11:00 PM	10	39	Haul Road STA 73+00 to STA 68+00
	12:00 AM	8	38	Haul Road STA 73+00 to STA 68+00
	1:00 AM	9	38	Haul Road STA 73+00 to STA 68+00
	2:00 AM	14	36	Haul Road STA 73+00 to STA 68+00
	3:00 AM	19	35	Haul Road STA 73+00 to STA 68+00
	4:00 AM	20	37	Haul Road STA 73+00 to STA 68+00
	5:00 AM	21	37	Haul Road STA 73+00 to STA 68+00
11/14/2014	8:00 AM	25	38	Dump 4 Waste Area
	9:00 AM	27	40	Dump 4 Waste Area
	10:00 AM	31	45	Dump 4 Waste Area
	11:00 AM	33	48	Dump 4 Waste Area
	1:00 PM	39	-	Dump 4 Waste Area
	2:00 PM	37	-	Dump 4 Waste Area
	3:00 PM	40	-	Dump 4 Waste Area
	4:00 PM	39	-	Dump 4 Waste Area
	8:00 PM	34	-	Haul Road STA 75+00 to STA 73+00
	9:00 PM	32	40	Haul Road STA 75+00 to STA 73+00
	10:00 PM	30	41	Haul Road STA 75+00 to STA 73+00
	11:00 PM	26	41	Haul Road STA 75+00 to STA 73+00
	12:00 AM	28	39	Haul Road STA 75+00 to STA 73+00
	1:00 AM	29	39	Haul Road STA 75+00 to STA 73+00
	2:00 AM	21	39	Haul Road STA 75+00 to STA 73+00
	3:00 AM	21	37	Haul Road STA 75+00 to STA 73+00
	4:00 AM	20	38	Haul Road STA 75+00 to STA 73+00
	5:00 AM	14	38	Haul Road STA 75+00 to STA 73+00

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
11/17/2014	8:00 AM	10	35	Dump 4 Waste Area
	9:00 AM	15	38	Dump 4 Waste Area
	10:00 AM	18	39	Dump 4 Waste Area
	11:00 AM	21	40	Dump 4 Waste Area
	1:00 PM	25	41	Dump 4 Waste Area
	2:00 PM	26	47	Dump 4 Waste Area
	3:00 PM	25	50	Dump 4 Waste Area
	4:00 PM	22	44	Dump 4 Waste Area
	8:00 PM	17	38	Haul Road STA 75+00 to STA 67+00
	9:00 PM	10	39	Haul Road STA 75+00 to STA 67+00
	10:00 PM	9	38	Haul Road STA 75+00 to STA 67+00
	11:00 PM	0	37	Haul Road STA 75+00 to STA 67+00
	12:00 AM	7	37	Haul Road STA 75+00 to STA 67+00
	1:00 AM	8	37	Haul Road STA 75+00 to STA 67+00
	2:00 AM	9	37	Haul Road STA 75+00 to STA 67+00
	3:00 AM	10	39	Haul Road STA 75+00 to STA 67+00
	4:00 AM	10	38	Haul Road STA 75+00 to STA 67+00
	5:00 AM	11	39	Haul Road STA 75+00 to STA 67+00
11/18/2014	8:00 PM	31	37	Haul Road STA 75+00 to STA 72+00
	9:00 PM	27	37	Haul Road STA 75+00 to STA 72+00
	10:00 PM	24	38	Haul Road STA 75+00 to STA 72+00
	11:00 PM	21	40	Haul Road STA 75+00 to STA 72+00
	12:00 AM	20	39	Haul Road STA 75+00 to STA 72+00
	1:00 AM	20	38	Haul Road STA 75+00 to STA 72+00
	2:00 AM	20	38	Haul Road STA 75+00 to STA 72+00
	3:00 AM	19	38	Haul Road STA 75+00 to STA 72+00
11/19/2014	4:00 AM	19	40	Haul Road STA 75+00 to STA 72+00
	8:00 PM	27	37	Haul Road STA 76+00 to STA 73+00
	9:00 PM	25	38	Haul Road STA 76+00 to STA 73+00
	10:00 PM	24	37	Haul Road STA 76+00 to STA 73+00
	11:00 PM	24	38	Haul Road STA 76+00 to STA 73+00
	12:00 AM	23	39	Haul Road STA 76+00 to STA 73+00
	1:00 AM	21	38	Haul Road STA 76+00 to STA 73+00
	2:00 AM	20	40	Haul Road STA 76+00 to STA 73+00
	3:00 AM	20	36	Haul Road STA 76+00 to STA 73+00
	4:00 AM	21	37	Haul Road STA 76+00 to STA 73+00
11/20/2014	5:00 AM	21	40	Haul Road STA 76+00 to STA 73+00
	7:00 PM	32	38	STA 77+00 to STA 72+00
	8:00 PM	32	44	STA 77+00 to STA 72+00
	9:00 PM	32	48	STA 77+00 to STA 72+00
	10:00 PM	31	49	STA 77+00 to STA 72+00
	11:00 PM	30	50	STA 77+00 to STA 72+00
	12:00 AM	30	53	STA 77+00 to STA 72+00
	1:00 AM	29	52	STA 77+00 to STA 72+00
	2:00 AM	29	51	STA 77+00 to STA 72+00
	3:00 AM	29	50	STA 77+00 to STA 72+00
	4:00 AM	28	51	STA 77+00 to STA 72+00
	5:00 AM	26	50	STA 77+00 to STA 72+00

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
11/21/2014	8:00 PM	32	50	STA 80+50 to STA 76+50
	9:00 PM	32	51	STA 80+50 to STA 76+50
	10:00 PM	31	52	STA 80+50 to STA 76+50
	11:00 PM	31	50	STA 80+50 to STA 76+50
	12:00 AM	30	49	STA 80+50 to STA 76+50
	1:00 AM	29	49	STA 80+50 to STA 76+50
	2:00 AM	27	50	STA 80+50 to STA 76+50
	3:00 AM	27	49	STA 80+50 to STA 76+50
	4:00 AM	27	49	STA 80+50 to STA 76+50
11/24/2014	5:00 AM	26	46	STA 80+50 to STA 76+50
	8:00 PM	12	34	STA 80+50 to STA 78+50
	9:00 PM	12	34	STA 80+50 to STA 78+50
	10:00 PM	12	34	STA 80+50 to STA 78+50
	11:00 PM	11	34	STA 80+50 to STA 78+50
	12:00 AM	11	34	STA 80+50 to STA 78+50
	1:00 AM	10	34	STA 80+50 to STA 78+50
	2:00 AM	9	34	STA 80+50 to STA 78+50
	3:00 AM	10	34	STA 80+50 to STA 78+50
11/25/2014	4:00 AM	11	34	STA 80+50 to STA 78+50
	5:00 AM	12	33	STA 80+50 to STA 78+50
	8:00 PM	28	36	STA 80+75 to STA 78+25
	9:00 PM	28	36	STA 80+75 to STA 78+25
	10:00 PM	28	35	STA 80+75 to STA 78+25
	11:00 PM	27	34	STA 80+75 to STA 78+25
	12:00 AM	27	34	STA 80+75 to STA 78+25
	1:00 AM	27	35	STA 80+75 to STA 78+25
	2:00 AM	28	36	STA 80+75 to STA 78+25
12/1/2014	3:00 AM	28	38	STA 80+75 to STA 78+25
	4:00 AM	29	38	STA 80+75 to STA 78+25
	5:00 AM	30	39	STA 80+75 to STA 78+25
	8:20 AM	28	32	Bench M 36+00 to Bench M 34+00
	9:15 AM	30	33	Bench M 36+00 to Bench M 34+00
	10:00 AM	33	-	Bench H 15+00 to Bench H 22+00
	9:30 PM	28	37	STA 80+75 to STA 72+00
	10:35 PM	29	37	STA 80+75 to STA 72+00
	11:25 PM	29	38	STA 80+75 to STA 72+00
	12:10 AM	28	36	STA 80+75 to STA 72+00
	1:00 AM	27	34	STA 80+75 to STA 77+00
	2:00 AM	28	37	STA 80+75 to STA 77+00
	3:00 AM	29	39	STA 80+75 to STA 77+00
	4:00 AM	30	38	STA 80+75 to STA 77+00
	5:00 AM	30	38	STA 80+75 to STA 77+00

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
12/2/2014	8:00 PM	38	-	STA 74+50 Right Centerline SE on Line L
	9:00 PM	37	-	STA 74+50 Right Centerline SE on Line L
	10:00 PM	37	-	STA 74+50 Right Centerline SE on Line L
	11:00 PM	36	-	STA 74+50 Right Centerline SE on Line L
	12:00 AM	35	-	STA 74+50 Right Centerline SE on Line L
	1:00 AM	36	-	STA 74+50 Right Centerline SE on Line L
	2:00 AM	36	-	STA 74+50 Right Centerline SE on Line L
	3:00 AM	36	-	STA 74+50 Right Centerline SE on Line L
	4:00 AM	35	-	STA 74+50 Right Centerline SE on Line L
	5:00 AM	35	-	STA 74+50 Right Centerline SE on Line L
12/3/2014	7:00 PM	29	32	Bench F 24+00 to Bench F 26+00
	9:00 AM	31	34	Bench F 24+00 to Bench F 26+00
	10:00 AM	45	-	Bench F 24+00 to Bench F 26+00
	7:00 PM	36	-	Bench L 5+00 to Bench L7+50
	8:00 PM	35	-	Bench L 5+00 to Bench L7+50
	9:00 PM	33	-	Bench L 5+00 to Bench L7+50
	10:00 PM	33	-	Bench L 5+00 to Bench L7+50
	11:00 PM	33	-	Bench L 5+00 to Bench L7+50
	12:00 AM	32	37	Bench L 5+00 to Bench L7+50
	1:00 AM	31	36	Bench L 5+00 to Bench L7+50
	2:00 AM	32	37	Bench L 5+00 to Bench L7+50
	3:00 AM	33	-	Bench L 5+00 to Bench L7+50
	4:00 AM	33	-	Bench L 5+00 to Bench L7+50
	5:00 AM	33	-	Bench L 5+00 to Bench L7+50
12/4/2014	7:00 PM	36	-	STA 74+50 to STA 81+00
	8:00 PM	35	-	STA 74+50 to STA 81+00
	9:00 PM	34	-	STA 74+50 to STA 81+00
	10:00 PM	35	-	STA 74+50 to STA 81+00
	11:00 PM	35	-	STA 74+50 to STA 81+00
	12:00 AM	34	-	STA 74+50 to STA 81+00
	1:00 AM	33	-	STA 74+50 to STA 81+00
	2:00 AM	32	36	STA 74+50 to STA 81+00
	3:00 AM	31	34	STA 74+50 to STA 81+00
	4:00 AM	31	34	STA 74+50 to STA 81+00
	5:00 AM	30	34	STA 74+50 to STA 81+00
12/5/2014	8:00 PM	32	35	STA L7+50 to STA L10+00
	9:00 PM	30	34	STA L7+50 to STA L10+00
	10:00 PM	29	34	STA L7+50 to STA L10+00
	11:00 PM	30	34	STA L7+50 to STA L10+00
	12:00 AM	30	34	STA L7+50 to STA L10+00
	1:00 AM	30	35	STA L7+50 to STA L10+00
	2:00 AM	29	35	STA L7+50 to STA L10+00
	3:00 AM	28	34	STA L7+50 to STA L10+00
	4:00 AM	28	34	STA L5+00 to STA L5+25
	5:00 AM	29	35	STA L5+00 to STA L5+25

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
12/8/2014	8:00 PM	38	-	STA L0+00 to STA L4+50
	9:00 PM	37	-	STA L0+00 to STA L4+50
	10:00 PM	35	-	STA L0+00 to STA L4+50
	11:00 PM	33	-	STA L0+00 to STA L4+50
	12:00 AM	34	-	STA L0+00 to STA L4+50
	1:00 AM	34	-	STA L0+00 to STA L4+50
	2:00 AM	34	-	STA L0+00 to STA L4+50
	3:00 AM	34	-	STA L0+00 to STA L4+50
	4:00 AM	37	-	STA L0+00 to STA L4+50
12/9/2014	5:00 AM	36	-	STA L0+00 to STA L4+50
	8:00 PM	42	-	Phase 1- Bench L STA L0+00 to STA L8+00
	9:00 PM	41	-	Phase 1- Bench L STA L0+00 to STA L8+00
	10:00 PM	41	-	Phase 1- Bench L STA L0+00 to STA L8+00
	11:00 PM	40	-	Phase 1- Bench L STA L0+00 to STA L8+00
	12:00 AM	40	-	Phase 1- Bench L STA L0+00 to STA L8+00
	1:00 AM	38	-	Phase 1- Bench L STA L0+00 to STA L8+00
	2:00 AM	38	-	Phase 1- Bench L STA L0+00 to STA L8+00
	3:00 AM	37	-	Phase 1- Bench L STA L0+00 to STA L8+00
12/10/2014	4:00 AM	36	-	Phase 1- Bench L STA L0+00 to STA L8+00
	5:00 AM	35	-	Phase 1- Bench L STA L0+00 to STA L8+00
	7:00 AM	38	-	STA L2+75 to STA L4+25
	8:00 PM	38	-	STA L2+75 to STA L4+25
	9:00 PM	37	-	STA L2+75 to STA L4+25
	10:00 PM	36	-	STA L2+75 to STA L4+25
	11:00 PM	36	-	STA L2+75 to STA L4+25
	12:00 AM	35	-	STA L2+75 to STA L4+25
	1:00 AM	34	-	STA L2+75 to STA L4+25
12/11/2014	2:00 AM	34	-	STA L2+75 to STA L4+25
	3:00 AM	35	-	STA L2+75 to STA L4+25
	4:00 AM	36	-	STA L2+75 to STA L4+25
	5:00 AM	36	-	STA L2+75 to STA L4+25
	8:00 PM	43	-	STA L4+00 to STA L7+75
	9:00 PM	41	-	STA L4+00 to STA L7+75
	10:00 PM	41	-	STA L4+00 to STA L7+75
	11:00 PM	39	-	STA L4+00 to STA L7+75
	12:00 AM	39	-	STA L4+00 to STA L7+75
12/11/2014	1:00 AM	38	-	STA L4+00 to STA L7+75
	2:00 AM	37	-	STA L4+00 to STA L7+75
	3:00 AM	38	-	STA L4+00 to STA L7+75
	4:00 AM	36	-	STA L4+00 to STA L7+75
	5:00 AM	34	-	STA L4+00 to STA L7+75

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
12/12/2014	8:00 PM	43	-	STA L4+00 to STA L10+00
	9:00 PM	42	-	STA L4+00 to STA L10+00
	10:00 PM	41	-	STA L4+00 to STA L10+00
	11:00 PM	41	-	STA L4+00 to STA L10+00
	12:00 AM	40	-	STA L4+00 to STA L10+00
	1:00 AM	40	-	STA L4+00 to STA L10+00
	2:00 AM	39	-	STA L4+00 to STA L10+00
	3:00 AM	38	-	STA L4+00 to STA L10+00
	4:00 AM	38	-	STA L4+00 to STA L10+00
	5:00 AM	37	-	STA L4+00 to STA L10+00
12/15/2014	8:28 AM	20	34	Bench M STA 36+00
	9:42 AM	19	34	Bench M STA 35+00
	10:30 AM	20	36	Bench M STA 34+00
	11:20 AM	24	37	Bench M STA 33+50
	12:50 PM	26	42	Bench M STA 31+00
	1:44 PM	27	46	Bench M STA 30+00
	2:30 PM	28	45	Bench M STA 27+00
	12:00 AM	26	44	Bench M STA 25+00
	8:00 PM	19	34	STA L5+00 to STA L8+50
	9:00 PM	19	34	STA L5+00 to STA L8+50
	10:00 PM	20	36	STA L5+00 to STA L8+50
	11:00 PM	21	35	STA L5+00 to STA L8+50
	12:00 AM	22	37	STA L5+00 to STA L8+50
	1:00 AM	22	37	STA L5+00 to STA L8+50
	2:00 AM	22	36	STA L5+00 to STA L8+50
	3:00 AM	21	36	STA L5+00 to STA L8+50
	4:00 AM	21	36	STA L5+00 to STA L8+50
	5:00 AM	23	35	STA L5+00 to STA L8+50
12/16/2014	8:25 AM	30	35	Bench L STA 5+00
	9:25 AM	33	36	Bench L STA 5+00
	10:05 AM	35	-	Bench L STA 5+00
	11:45 AM	35	-	Bench L STA 5+00
	8:00 PM	29	34	STA L10+50 to STA L11+35
	9:00 PM	29	34	STA L10+50 to STA L11+35
	10:00 PM	30	35	STA L10+50 to STA L11+35
	11:00 PM	30	34	STA L10+50 to STA L11+35
	12:00 AM	30	35	STA L10+50 to STA L11+35
	1:00 AM	30	35	STA L10+50 to STA L11+35
	2:00 AM	30	35	STA L10+50 to STA L11+35
	3:00 AM	30	35	STA L10+50 to STA L11+35
	4:00 AM	30	35	STA L10+50 to STA L11+35
	5:00 AM	30	35	STA L10+50 to STA L11+35

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
12/17/2014	7:50 AM	27	33	Phase 2- Bench M
	8:45 AM	28	33	Phase 2- Bench M
	9:40 AM	26	33	Phase 2- Bench M
	10:25 AM	29	37	Phase 2- Bench M
	11:00 AM	28	45	STA J12+00
	11:40 AM	27	39	Phase 2- Bench M
	12:00 PM	28	45	STA J12+00
	8:00 PM	26	38	STA L10+50 to STA L11+35
	9:00 PM	25	36	STA L10+50 to STA L11+35
	10:00 PM	24	36	STA L10+50 to STA L11+35
	11:00 PM	23	35	STA L10+50 to STA L11+35
	12:00 AM	22	36	STA L10+50 to STA L11+35
	1:00 AM	22	36	STA L10+50 to STA L11+35
	2:00 AM	23	36	STA L10+50 to STA L11+35
	3:00 AM	23	35	STA L10+50 to STA L11+35
	4:00 AM	24	36	STA L10+50 to STA L11+35
	5:00 AM	25	37	STA L10+50 to STA L11+35
12/18/2014	9:30 AM	18	46	Phase 1- STA J8 to STA J14
	10:30 AM	19	45	Phase 1- STA J8 to STA J14
	11:30 AM	20	45	Phase 1- STA J8 to STA J14
	12:30 PM	22	45	Phase 1- STA J8 to STA J14
	1:30 PM	24	45	Phase 1- STA J8 to STA J14
	2:30 PM	24	44	Phase 1- STA J8 to STA J14
	3:30 PM	24	45	Phase 1- STA J8 to STA J14
	4:30 PM	24	44	Phase 1- STA J8 to STA J14
	7:50 AM	20	36	STA L10+50 to STA L11+35
	8:30 AM	22	34	STA L10+50 to STA L11+35
	9:30 AM	24	42	STA L10+50 to STA L11+35
	10:30 AM	27	44	STA L10+50 to STA L11+35
	11:15 AM	26	48	STA L10+50 to STA L11+35
	12:45 PM	28	54	STA L10+50 to STA L11+35
	1:40 PM	29	52	STA L10+50 to STA L11+35
	2:20 PM	34	34	STA L10+50 to STA L11+35
	3:20 PM	27	63	STA L10+50 to STA L11+35
	4:05 PM	26	55	STA L10+50 to STA L11+35

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
12/19/2014	8:00 AM	17	41	Dump 4 M24 - M32
	9:00 AM	17	40	Dump 4 M24 - M32
	10:00 AM	18	41	Dump 4 M24 - M32
	11:00 AM	19	42	Dump 4 M24 - M32
	12:00 PM	20	42	Dump 4 M24 - M32
	12:20 PM	25	46	Phase 1 - Bench L
	1:40 PM	28	53	Phase 1 - Bench L
	2:15 PM	30	33	Phase 1 - Bench L
	3:20 PM	29	33	Phase 1 - Bench L
	5:00 PM	22	39	Dump 4 M24 - M32
	7:00 PM	22	63	STA L6+00 to STA L10+00
	8:00 PM	22	62	STA L6+00 to STA L10+00
	9:00 PM	22	60	STA L6+00 to STA L10+00
	10:00 PM	21	57	STA L6+00 to STA L10+00
	11:00 PM	21	58	STA L6+00 to STA L10+00
	12:00 AM	21	59	STA L6+00 to STA L10+00
	1:00 AM	22	58	STA L6+00 to STA L10+00
	2:00 AM	22	51	STA L6+00 to STA L10+00
	3:00 AM	23	52	STA L6+00 to STA L10+00
	4:00 AM	23	54	STA L6+00 to STA L10+00
	5:00 AM	23	52	STA L6+00 to STA L10+00
1/5/2015	7:00 PM	38	-	Phase 2 - STA M28+00 to STA M34+00
	8:00 PM	39	-	Phase 2 - STA M28+00 to STA M34+00
	9:00 PM	41	-	Phase 2 - STA M28+00 to STA M34+00
	10:00 PM	40	-	Phase 2 - STA M28+00 to STA M34+00
	11:00 PM	38	-	Phase 2 - STA M28+00 to STA M34+00
	12:00 AM	38	-	Phase 2 - STA M28+00 to STA M34+00
	1:00 AM	38	-	Phase 2 - STA M28+00 to STA M34+00
	2:00 AM	36	-	Phase 2 - STA M28+00 to STA M34+00
	3:00 AM	36	-	Phase 2 - STA M28+00 to STA M34+00
	4:00 AM	35	-	Phase 2 - STA M28+00 to STA M34+00
1/6/2015	7:00 PM	35	-	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	8:00 PM	35	-	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	9:00 PM	34	-	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	10:00 PM	33	-	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	11:00 PM	33	-	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	12:00 AM	33	-	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	1:00 AM	33	-	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	2:00 AM	31	46	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	3:00 AM	30	47	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	4:00 AM	28	49	Squaw Fills STA M28 to STA M34, STA L5 to STA L10
	5:00 AM	28	47	Squaw Fills STA M28 to STA M34, STA L5 to STA L10

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
1/7/2015	7:00 PM	38	-	STA M34+00 to STA M39+00
	8:00 PM	38	-	STA M34+00 to STA M39+00
	9:00 PM	37	-	STA M34+00 to STA M39+00
	10:00 PM	36	-	STA M34+00 to STA M39+00
	11:00 PM	35	-	STA M34+00 to STA M39+00
	12:00 AM	34	-	STA M34+00 to STA M39+00
	1:00 AM	34	-	STA M34+00 to STA M39+00
	2:00 AM	33	-	STA M34+00 to STA M39+00
	3:00 AM	32	43	STA M34+00 to STA M39+00
	4:00 AM	30	42	STA M34+00 to STA M39+00
	5:00 AM	30	42	STA M34+00 to STA M39+00
1/8/2015	7:00 PM	28	43	STA M22+00 to STA M26+00
	8:00 PM	26	43	STA M22+00 to STA M26+00
	9:00 PM	24	41	STA M22+00 to STA M26+00
	10:00 PM	20	41	STA M22+00 to STA M26+00
1/9/2015	8:30 AM	22	36	Phase 2 - STA M24+00 to STA M28+00
	9:30 AM	28	36	Phase 2 - STA M24+00 to STA M28+00
	10:30 AM	30	38	Phase 2 - STA M24+00 to STA M28+00
	11:30 AM	35	-	Phase 2 - STA M24+00 to STA M28+00
	12:30 PM	37	-	Phase 2 - STA M24+00 to STA M28+00
	1:30 PM	40	-	Phase 2 - STA M24+00 to STA M28+00
	2:30 PM	40	-	Phase 2 - STA M24+00 to STA M28+00
	3:30 PM	40	-	Phase 2 - STA M24+00 to STA M28+00
1/13/2015	7:40 PM	23	34	Phase 2 - STA M24+00 to STA N2+00
	8:30 PM	24	35	Phase 2 - STA M24+00 to STA N2+00
	9:10 PM	23	38	Phase 2 - STA M24+00 to STA N2+00
1/14/2015	7:00 AM	18	38	Phase 1 - STA M32+00 to STA M38+00
	8:00 AM	20	37	Phase 1 - STA M32+00 to STA M38+00
	9:00 AM	23	35	Phase 1 - STA M32+00 to STA M38+00
	10:00 AM	28	37	Phase 1 - STA M32+00 to STA M38+00
	11:00 AM	31	38	Phase 1 - STA L4+00 to STA L10+00
	12:00 PM	34	-	Phase 1 - STA L4+00 to STA L10+00
	1:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	2:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	3:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	4:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	5:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	8:50 PM	25	36	Phase 2 - STA N2+00 to STA M24+00
	9:30 PM	24	37	Phase 2 - STA N2+00 to STA M24+00
	10:45 PM	24	37	Phase 2 - STA N2+00 to STA M24+00
	11:25 PM	23	41	Phase 2 - STA N2+00 to STA M24+00
	12:15 AM	22	40	Phase 2 - STA N2+00 to STA M24+00
	1:25 AM	22	39	Phase 2 - STA N2+00 to STA M24+00
	2:40 AM	23	37	Phase 2 - STA N2+00 to STA M24+00
	3:40 AM	23	37	Phase 2 - STA N2+00 to STA M24+00
	4:15 AM	23	38	Phase 2 - STA N2+00 to STA M24+00

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
1/15/2014	7:00 AM	23	37	Phase 1 - STA M32+00 to STA M38+00
	8:00 AM	24	38	Phase 1 - STA M32+00 to STA M38+00
	9:00 AM	30	38	Phase 1 - STA M32+00 to STA M38+00
	10:00 AM	34	-	Phase 1 - STA M32+00 to STA M38+00
	11:00 AM	37	-	Phase 1 - STA L4+00 to STA L10+00
	12:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	1:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	2:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	3:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	4:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	5:00 PM	-	-	Phase 1 - STA L4+00 to STA L10+00
	8:30 AM	27	40	Phase 2 - STA M32+00 to STA M38+00
	9:30 AM	33	-	Phase 2 - STA M32+00 to STA M38+00
	10:30 AM	36	-	Phase 2 - STA M32+00 to STA M38+00
	11:30 AM	38	-	Phase 2 - STA M32+00 to STA M38+00
	12:30 PM	38	-	Phase 2 - STA M32+00 to STA M38+00
	1:30 PM	38	-	Phase 2 - STA M32+00 to STA M38+00
	2:20 PM	38	-	Phase 2 - STA M32+00 to STA M38+00
	3:15 PM	37	-	Phase 2 - STA M32+00 to STA M38+00
	4:25 PM	37	-	Phase 2 - STA M32+00 to STA M38+00
	5:00 PM	37	-	Phase 2 - STA M32+00 to STA M38+00
	7:45 PM	30	37	Phase 2 - STA N2+00 to STA M24+00
	8:20 PM	30	38	Phase 2 - STA N2+00 to STA M24+00
	9:35 PM	30	45	Phase 2 - STA N2+00 to STA M24+00
	10:25 PM	29	42	Phase 2 - STA N2+00 to STA M24+00
	11:17 PM	29	44	Phase 2 - STA N2+00 to STA M24+00
	12:15 AM	29	45	Phase 2 - STA N2+00 to STA M24+00
	1:45 AM	29	43	Phase 2 - STA N2+00 to STA M24+00
	2:30 AM	29	42	Phase 2 - STA N2+00 to STA M24+00
	3:25 AM	28	43	Phase 2 - STA N2+00 to STA M24+00
	4:10 AM	29	42	Phase 2 - STA N2+00 to STA M24+00
1/16/2015	7:45 PM	33	-	Phase 2 - STA N8+00 to STA N12+00
	8:35 PM	33	-	Phase 2 - STA N8+00 to STA N12+00
	9:45 PM	32	-	Phase 2 - STA N8+00 to STA N12+00
1/19/2015	7:10 PM	35	-	Phase 2 - STA N2+00 to STA M24+00
	8:25 PM	33	-	Phase 2 - STA N2+00 to STA M24+00
	9:45 PM	28	37	Phase 2 - STA N2+00 to STA M24+00
	10:10 PM	26	38	Phase 2 - STA N2+00 to STA M24+00
	11:30 PM	26	37	Phase 2 - STA N2+00 to STA M24+00
	12:20 AM	25	35	Phase 2 - STA N2+00 to STA M24+00
	1:30 AM	25	37	Phase 2 - STA N2+00 to STA M24+00
	2:45 AM	24	37	Phase 2 - STA N2+00 to STA M24+00
	3:15 AM	24	37	Phase 2 - STA N2+00 to STA M24+00
	4:20 AM	24	38	Phase 2 - STA N2+00 to STA M24+00

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
1/23/2015	7:10 AM	26	33	Phase 2 - STA N4+00
	8:20 AM	27	33	Phase 2 - STA N4+00
	9:30 AM	29	34	Phase 2 - STA N4+00
	10:40 AM	30	33	Phase 2 - STA N4+00
	11:30 AM	31	34	Phase 2 - STA N4+00
	12:40 PM	33	-	Phase 2 - STA M20+00 to STA M28+00
	1:15 PM	34	-	Phase 2 - STA M20+00 to STA M28+00
	1:50 PM	34	-	Phase 2 - STA M20+00 to STA M28+00
	2:50 PM	35	-	Phase 2 - STA M20+00 to STA M28+00
	4:00 PM	34	-	Phase 2 - STA M20+00 to STA M28+00
1/26/2015	7:00 AM	34	-	Phase 2 - Upslope of M20+00
	7:00 PM	38	-	Phase 2 - STA N9+00 to N14+00
	8:00 PM	38	-	Phase 2 - STA N9+00 to N14+00
	9:00 PM	38	-	Phase 2 - STA N9+00 to N14+00
	10:00 PM	38	-	Phase 2 - STA N9+00 to N14+00
	11:00 PM	37	-	Phase 2 - STA N9+00 to N14+00
	12:00 AM	37	-	Phase 2 - STA N9+00 to N14+00
	1:00 AM	37	-	Phase 2 - STA N9+00 to N14+00
	2:00 AM	37	-	Phase 2 - STA N9+00 to N14+00
	3:00 AM	37	-	Phase 2 - STA N9+00 to N14+00
	4:00 AM	35	-	Phase 2 - STA N9+00 to N14+00
	5:00 AM	33	-	Phase 2 - STA N9+00 to N14+00
1/27/2015	7:00 PM	38	-	Phase 2 - STA N0+00 to N4+00
	8:00 PM	37	-	Phase 2 - STA N0+00 to N4+00
	9:00 PM	36	-	Phase 2 - STA N0+00 to N4+00
	10:00 PM	36	-	Phase 2 - STA N0+00 to N4+00
	11:00 PM	35	-	Phase 2 - STA N0+00 to N4+00
	12:00 AM	35	-	Phase 2 - STA N0+00 to N4+00
	1:00 AM	33	-	Phase 2 - STA N0+00 to N4+00
	2:00 AM	31	44	Phase 2 - STA N0+00 to N4+00
	3:00 AM	29	44	Phase 2 - STA N0+00 to N4+00
	4:00 AM	27	44	Phase 2 - STA N0+00 to N4+00
	5:00 AM	27	43	Phase 2 - STA N0+00 to N4+00
1/28/2015	7:10 AM	27	39	Phase 2 - STA M20+00 to STA M22+00
	8:30 AM	31	42	Phase 2 - STA M20+00 to STA M22+00
	7:00 PM	31	43	Phase 2 - STA N0+00 to N4+00
	8:00 PM	30	42	Phase 2 - STA N0+00 to N4+00
	9:00 PM	30	41	Phase 2 - STA N0+00 to N4+00
	10:00 PM	30	44	Phase 2 - STA N0+00 to N4+00
	11:00 PM	29	41	Phase 2 - STA N0+00 to N4+00
	12:00 AM	28	43	Phase 2 - STA N0+00 to N4+00
	1:00 AM	26	42	Phase 2 - STA N0+00 to N4+00
	2:00 AM	22	40	Phase 2 - STA N0+00 to N4+00
	3:00 AM	21	40	Phase 2 - STA N0+00 to N4+00
	4:00 AM	21	42	Phase 2 - STA N0+00 to N4+00

Table 2
Cripple Creek & Victor Gold Mining Company
Phase 1 Squaw Gulch Valley Leach Facility-Phase1
Fill Temperature Monitoring Summary



DATE	TIME OF TEST	AMBIENT TEMPERATURE (°F)	AVERAGE FILL TEMPERATURE (°F)	LOCATION
1/29/2015	7:00 PM	31	42	Phase 2 - STA N0+00 to N4+00
	8:00 PM	29	41	Phase 2 - STA N0+00 to N4+00
	9:00 PM	28	41	Phase 2 - STA N0+00 to N4+00
	10:00 PM	28	40	Phase 2 - STA N0+00 to N4+00
	11:00 PM	27	39	Phase 2 - STA N0+00 to N4+00
	12:00 AM	25	41	Phase 2 - STA N0+00 to N4+00
	1:00 AM	23	39	Phase 2 - STA N0+00 to N4+00
	2:00 AM	22	41	Phase 2 - STA N0+00 to N4+00
	3:00 AM	21	41	Phase 2 - STA N0+00 to N4+00
	4:00 AM	21	40	Phase 2 - STA N0+00 to N4+00
	5:00 AM	21	37	Phase 2 - STA N0+00 to N4+00
1/30/2015	7:30 AM	32	-	Phase 2 - STA M22+00 to M20+15
	8:30 AM	33	-	Phase 2 - STA M22+00 to M20+15
	9:30 AM	35	-	Phase 2 - STA M22+00 to M20+15
	10:30 AM	36	-	Phase 2 - STA M22+00 to M20+15
	11:30 AM	34	-	Phase 2 - STA M22+00 to M20+15
	12:30 PM	32	-	Phase 2 - STA M22+00 to M20+15
	1:30 PM	33	-	Phase 2 - STA M22+00 to M20+15
	2:30 PM	33	-	Phase 2 - STA M22+00 to M20+15
	3:30 PM	34	-	Phase 2 - STA M22+00 to M20+15
2/2/2015	8:30 AM	28	35	Phase 1 - STA L10+00 to L6+00
	9:00 AM	30	31	Phase 2 - STA M20+00 to M24+00
	9:40 AM	30	35	Phase 1 - STA L10+00 to L6+00
	10:30 AM	31	32	Phase 2 - STA M20+00 to M24+00
	10:40 AM	31	38	Phase 1 - STA L10+00 to L6+00
	11:30 AM	38	33	Phase 2 - STA M20+00 to M24+00
2/3/2015	7:10 AM	28	34	Lower Fill
	8:20 AM	29	35	Lower Fill
	9:10 AM	29	36	Lower Fill
	10:15 AM	31	37	Lower Fill
2/4/2015	8:00 AM	32	43	Phase 2 - STA N6+00 to N10+00
	9:00 AM	31	42	Phase 2 - STA N6+00 to N10+00
	10:00 AM	31	43	Phase 2 - STA N6+00 to N10+00
2/12/2015	7:00 AM	24	31	Phase 2 - M34+00 to M39+00
	9:30 AM	33	-	Phase 2 - M34+00 to M39+00
	10:30 AM	36	-	Phase 2 - M34+00 to M39+00
2/13/2015	6:55 AM	26	43	Phase 2 - M24+00 to M39+00
	7:55 AM	33	-	Phase 2 - M24+00 to M39+00
3/5/2015	9:40 AM	22	34	Phase 2 - N2+00 to M34+00
	10:50 AM	22	33	Phase 2 - N2+00 to M34+00
	12:50 PM	28	34	Phase 2 - N2+00 to M34+00
3/7/2015	9:30 AM	29	38	Phase 2 - I8+00 to I10+00
	10:20 AM	32	38	Phase 2 - I8+00 to I10+00
	11:30 AM	37	39	Phase 2 - I8+00 to I10+00
3/11/2015	8:20 AM	29	33	Phase 1 - L8+00 to L5+00
	9:20 AM	31	33	Phase 1 - L8+00 to L5+00
	10:20 AM	32	34	Phase 1 - L8+00 to L5+00
	11:30 AM	37	33	Phase 1 - L8+00 to L5+00
	12:10 PM	41	34	Phase 1 - L8+00 to L5+00
	1:40 PM	45		Phase 1 - L8+00 to L5+00

No fill placed when temperatures were below freezing past March 11, 2015.

Table 3
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
Summary of Earthworks Material Specifications



MATERIAL	PLASTICITY INDEX	PERMEABILITY (cm/sec)	GRAIN SIZE DISTRIBUTION		POINT LOAD TENSILE STRENGTH (psi)
			SIEVE SIZE	PERCENT PASSING	
Structural Fill (SF)	30 Maximum	-	24 inch No. 200	100 0-25	-
Select Structural Fill (SSF)	Non-Plastic	-	3 inch	100	-
Leak Detection Fill (LDF)	Non-Plastic	-	3/4 inch 3/8 inch No. 4 No. 40 No. 200	100 40-70 5-50 0-20 0-10	-
Underdrain Fill (UF)	Non-Plastic	-	12 inch No. 200	100 0-6	> 300
Soil Liner Fill (SLF)	10 Minimum	1.0x10 ⁻⁶ maximum	2 inch No. 200	100 15-65	-
Low Volume Solution Collection Fill (LVSCF)	Non-Plastic	-	1 inch 3/8 inch No. 4 No. 200	100 40-70 5-55 0-10	-
Drain Cover Fill (DCF)	Non-Plastic	-	1 1/2 inch 3/4 inch No. 4 No. 200	100 70-100 5-50 0-8	-
Coarse Shaft Backfill (CSB)	20 Maximum	-	12 inch No. 200	100 0-15	-

Table 4
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
CQA Earthworks Testing Summary & Testing Frequency



MATERIAL QUANTITY NUMBER OF TESTS TEST FREQUENCY	MATERIAL FILL					
	STRUCTURAL FILL (SF)	SELECT STRUCTURAL FILL (SSF)	LEAK DETECTION FILL (LDF)	UNDERDRAIN FILL (UF)	SOIL LINER FILL (SLF)	DRAIN COVER FILL (DCF) (See Note 3)
Quantity of Material Placed (CY)	82,264	3,310	60	865	49,642	110,686
Sieve Tests Performed	8	2	1	2	13	7
Specified Sieve Test Frequency	50,000	50,000	10,000	5,000	4,000	20,000
Actual Sieve Test Frequency	10,283	1,655	60	433	3,819	15,812
Atterberg Limit Tests Performed	8	2	1	2	13	7
Specified Atterberg Limit Test Frequency	50,000	50,000	10,000	5,000	4,000	20,000
Actual Atterberg Limit Test Frequency	10,283	1,655	60	433	3,819	15,812
Proctor Compaction Tests Performed	See Note 1	See Note 2	-	-	13	-
Specified Compaction Tests Frequency	-	-	-	-	4,000	-
Actual Compaction Test Frequency	-	-	-	-	3,819	-
Permeability Tests Performed	-	-	-	-	13	-
Specified Permeability Test Frequency	-	-	-	-	4,000	-
Actual Permeability Test Frequency	-	-	-	-	3,819	-
Percent Moisture Tests Performed	See Note 1	2	1	2	143	7
Specified Percent Moisture Test Frequency	-	2,000	10,000	5,000	500	20,000
Actual Percent Moisture Test Frequency	-	1,655	60	433	347	15,812
Field Density Tests Performed	See Note 1	See Note 2	-	-	143	-
Specified Field Density Test Frequency	-	-	-	-	500	-
Actual Field Density Test Frequency	-	-	-	-	347	-
Depth Check Tests Performed	-	-	-	-	85	-
Specified Depth Check Test Frequency	-	-	-	-	2.0 test/acre	-
Actual Depth Check Test Frequency	-	-	-	-	2.8 tests/acre	-

Notes:

1. SF was not tested for density & moisture due to large particle size. The method of compaction technique was used in accordance with the project technical specifications.
2. SSF was used only as part of the underdrain system within Phase 1 (See IFC Drawing A250), quantity also includes underground workings.
3. DCF Material placement not complete at time of ROC submittal, quantity assumed based on footprint area multiplied by 2 foot deep and an 10%.

Table 5
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
CQA Earthworks Laboratory Testing Summary-Structural Fill



SAMPLE NUMBER	DATE TESTED	LOCATION	ELEV. (feet)	NATURAL MOISTURE (%)	GRAIN SIZE DISTRIBUTION (PERCENT PASSING)																		ATTERBERG LIMITS			MOISTURE/DENSITY	
					24.0"	18.0"	12.0"	4.0"	3.0"	2.0"	1.5"	1.0"	0.75"	0.50"	0.375"	No.4	No.10	No.20	No. 40	No. 50	No. 100	No. 200	PLASTIC INDEX: 30 MAX.			MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)
																							LIQUID LIMIT	PLASTIC LIMIT	PLASTIC INDEX		
100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0-25							
SF-1-R	4/4/2013	Bottom of Squaw (material removed)	-	100.0						96.5	92.6		74.9		48.8	40.6			24.0			17.4	28	17	12	134.5	7.6
SF-2-R	4/4/2013	Bottom of Squaw/Mixed (material removed)	-	100.0						99.6	99.1		98.6		98.2	86.4			47.7			32.3	39	18	21	-	-
SF-3-R	4/20/2013	Bottom of Squaw (material removed)	-	100.0						96.5	92.6		74.9		48.8	40.6			24.0			17.4	28	17	12	134.5	7.6
SF-4-R	2/24/2014	Phase 1 ADR Haul Road STA 52+00	9,750.0	5.9	100.0	100.0	100.0	70.0	47.0	38.0	28.0	17.0	10.0	3.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	NV	NP	NP	-	-
SF-5-R	2/25/2014	Phase 1 ADR Haul Road STA 55+00	9,775.0	1.9	100.0	72.0	49.0	10.0	10.0	9.0	8.0	6.0	4.0	2.0	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.1	NV	NP	NP	-	-
SF-6-R	2/25/2014	Phase 1 ADR Haul Road STA 60+00	9,774.0	1.0	100.0	59.0	43.0	3.0	3.0	2.0	1.0	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	NV	NP	NP	-	-
SF-7-R	2/25/2014	Phase 1 ADR Haul Road STA 65+00	9,780.0	2.8	100.0	70.0	47.0	4.0	4.0	4.0	3.0	3.0	3.0	2.0	2.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	NV	NP	NP	-	-
SF-8-R	2/25/2014	Phase 1 Bench D STA DD9+00	9,550.0	6.0	100.0	65.0	43.0	4.0	3.0	3.0	2.0	2.0	2.0	1.0	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8	NV	NP	NP	-	-
SF-9-R	2/25/2014	Phase 1 Bench D STA DD0+00	9,550.0	11.2	100.0	100.0	100.0	100.0	89.0	68.0	56.0	45.0	36.0	28.0	23.0	21.0	20.0	19.0	19.0	19.0	18.0	18.0	31	19	12	-	-
SF-10-R	2/25/2014	Phase 1 Bench D STA DD10+00	9,550.0	11.3	100.0	100.0	100.0	76.0	71.0	63.0	55.0	47.0	41.0	33.0	28.0	27.0	26.0	25.0	25.0	25.0	24.0	24.0	32	19	13	-	-
SF-11-R	2/27/2014	Hwy 67/PSSA Embankment	9,428.0	5.0	100.0	100.0	70.0	48.0	22.0	17.0	15.0	13.0	12.0	11.0	10.0	8.0	6.0	4.0	2.0	0.6	0.1	0.1	NV	NP	NP	-	-
SF-12-R	2/27/2014	Hwy 67/PSSA Embankment	9,431.0	3.5	100.0	100.0	76.0	57.0	29.0	23.0	18.0	13.0	10.0	7.0	6.0	5.0	3.0	2.0	1.0	0.9	0.4	0.1	NV	NP	NP	-	-
SF-13-R	2/27/2014	Hwy 67/PSSA Embankment	9,425.0	6.7	100.0	100.0	100.0	87.0	64.0	57.0	49.0	45.0	40.0	37.0	31.0	22.0	15.0	10.0	9.0	7.0	5.3	NV	NP	NP	-	-	
SF-14-R	2/27/2014	Hwy 67/PSSA Embankment	9,425.0	2.8	100.0	100.0	89.0	78.0	67.0	61.0	56.0	52.0	48.0	39.0	34.0	34.0	22.0	13.0	8.0	6.0	3.0	0.5	NV	NP	NP	-	-
SF-15-R	2/27/2014	Hwy 67/PSSA Embankment	9,430.0	4.1	100.0	97.0	89.0	80.0	62.0	50.0	42.0	36.0	31.0	25.0	21.0	17.0	11.0	7.0	4.0	4.0	2.0	0.5	NV	NP	NP	-	-
SF-16-R	2/27/2014	Hwy 67/PSSA Embankment	9,435.0	4.3	100.0	98.0	85.0	73.0	55.0	44.0	38.0	32.0	29.0	25.0	22.0	17.0	12.0	7.0	4.0	3.0	2.0	0.4	NV	NP	NP	-	-
SF-17-R	3/1/2014	Phase 1 ADR Haul Road Fill	9,801.0	7.8	100.0	100.0	95.0	88.0	81.0	72.0	67.0	54.0	47.0	36.0	30.0	20.0	12.0	7.0	4.0	3.0	1.0	0.2	NV	NP	NP	-	-
SF-18-R	3/1/2014	Phase 1 ADR Haul Road Fill	9,804.0	4.9	100.0	100.0	91.0	80.0	70.0	59.0	49.0	34.0	26.0	16.0	12.0	6.0	3.0	1.0	0.8	0.7	0.3	0.1	NV	NP	NP	-	-
SF-19-R	3/1/2014	Phase 1 ADR Haul Road Fill	9,798.0	4.4	100.0	88.0	86.0	57.0	30.0	23.0	18.0	15.0	13.0	10.0	9.0	6.0	4.0	2.0	1.0	0.9	0.4	0.1	NV	NP	NP	-	-
SF-20-R	3/3/2014	Phase 1 ADR Haul Road STA 55+00	FG	10.0	100.0	92.0	83.0	72.0	45.0	40.0	36.0	30.0	27.0	23.0	21.0	16.0	11.0	7.0	5.0	4.0	2.0	0.3	NV	NP	NP	-	-
SF-21-R	3/3/2014	Phase 1 ADR Haul Road STA 66+00	9,780.0	11.3	100.0	91.0	85.0	70.0	46.0	39.0	32.0	25.0	22.0	17.0	14.0	10.0	6.0	3.0	2.0	2.0	0.7	0.1	NV	NP	NP	-	-
SF-22-R	3/3/2014	Phase 1 ADR Haul Road STA 77+00	9,783.0	10.7	100.0	97.0	94.0	79.0	64.0	49.0	36.0	25.0	20.0	14.0	11.0	7.0	4.0	2.0	2.0	1.0	0.6	0.1	NV	NP	NP	-	-
SF-23-R	3/4/2014	Phase 2 Dump 4 Fill STA K26+00-K30+00	10,018.6	12.6	100.0	93.0	87.0	82.0	62.0	56.0	49.0	49.0	39.0	30.0	26.0	19.0	12.0	7.0	4.0	3.0	1.0	0.2	NV	NP	NP	-	-
SF-24-R	3/4/2014	Phase 1 ADR Haul Road STA 69+00	9,766.0	8.1	100.0	100.0	85.0	57.0	42.0	39.0	32.0	23.0	20.0	14.0	12.0	7.0	4.0	2.0	1.0	1.0	0.5	0.1	NV	NP	NP	-	-
SF-25-R	3/4/2014	Phase 1 ADR Haul Road STA 70+00	9,768.0	10.5	100.0	97.0	93.0	89.0	73.0	70.0	64.0	55.0	50.0	42.0	36.0	27.0	16.0	9.0	6.0	4.0	2.0	0.3	NV	NP	NP	-	-
SF-26-R	3/5/2014	Phase 1 Bench H STA H25+00	9,804.0	14.9	100.0	94.0	80.0	69.0	42.0	32.0	27.0	20.0	16.0	11.0	9.0	5.0	2.0	1.0	1.0	1.0	0.2	0.0	NV	NP	NP	-	-
SF-27-R	3/5/2014	Phase 1 Bench H STA H27+00	9,807.0	9.0	100.0	100.0	90.0	83.0	71.0	57.0	49.0	37.0	30.0	21.0	16.0	10.0	4.0	2.0	1.0	0.9	0.4	0.1	NV	NP	NP	-	-
SF-28-R	3/5/2014	Phase 1 Bench C STA C4+00	9,540.0	5.2	100.0	100.0	100.0	47.0	47.0	41.0	34.0	28.0	25.0	22.0	20.0	17.0	12.0	7.0	4.0	3.0	1.0	0.2	NV	NP	NP	-	-
SF-29-R	3/5/2014	Phase 1 Bench H STA H24+00	9,798.0	7.4	100.0	100.0	90.0	52.0	52.0	36.0	32.0	26.0	23.0	17.0	14.0	10.0	6.0	3.0	2.0	1.0	0.7	0.2	NV	NP	NP	-	-
SF-30-R	3/6/2014	Phase 1 Bench C STA C6+00	9,546.0	3.8	100.0	75.0	67.0	29.0	29.0	28.0	28.0	28.0	28.0	28.0	24.0	16.0	10.0	6.0	5.0	3.0	2.0	1.9	NV	NP	NP	-	-
SF-31-R	3/6/2014	Phase 1 Bench H STA H22+00	9,806.0	13.8	100.0	100.0	100.0	74.0	74.0	73.0	72.0	72.0	71.0	71.0	60.0	50.0	44.0	40.0	39.0	35.0	29.0	26.5	30	20	10	-	-
SF-32-R	3/6/2014	Phase 1 Bench H STA H28+00	9,806.0	4.9	100.0	100.0	100.0	24.0	24.0	21.0	19.0	17.0	16.0	15.0	14.0	8.0	5.0	3.0	2.0	2.0	2.0	1.3	NV	NP	NP	-	-
SF-33-R	3/6/2014	Phase 1 ADR Haul Road STA 29+00	9,808.0	4.0	100.0	86.0	71.0	11.0	10.0	10.0	9.0	9.0	9.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	1.0	1.2	NV	NP	NP	-	-
SF-34-R	3/10/2014	Phase 1 ADR Haul Road STA 75+00	9,780.0	10.6	100.0	100.0	100.0	90.0	90.0	90.0	89.0	89.0	89.0	89.0	89.0	75.0	56.0	42.0	33.0	30.0	25.0	20.9	NV	NP	NP	-	-
SF-35-R	3/10/2014	Phase 1 ADR Haul Road STA 76+00	9,783.0	8.8	100.0	100.0	96.0	76.0	76.0	76.0	76.0	75.0	75.0	75.0	55.0	36.0	25.0	18.0	16.0	13.0	10.5	NV	NP	NP	-	-	
SF-36-R	3/10/2014	Phase 1 ADR Haul Road STA 77+00	9,786.0	13.5	100.0	100.0	100.0	68.0	67.0	67.0	67.0	66.0	66.0	65.0	65.0	52.0	36.0	26.0	20.0	18.0	15.0	12.4	NV	NP	NP	-	-
SF-37-R	3/11/2014	Phase 1 ADR Haul Road STA 80+00	9,808.0	11.0	100.0	100.0	100.0	44.0	43.0	43.0	43.0	42.0	42.0	41.0	35.0	26.0	18.0	13.0	11.0	9.0	6.9	NV	NP	NP	-	-	
SF-38-R	3/11/2014	PSSA/Hwy 67 Embankment	9,460.0	4.4	100.0	100.0	95.0	56.0	56.0	55.0	54.0	54.0	54.0	53.0	52.0	48.0	38.0	25.0	17.0	14.0	9.0	7.5	NV	NP	NP	-	-
SF-39-R	3/11/2014	PSSA/Hwy 67 Embankment	9,464.0	9.1	100.0	100.0	100.0	54.0	54.0	53.0	52.0	51.0	51.0	50.0	50.0	39.0	22.0	17.0	15.0	12.0	12.0	9.9	NV	NP	NP	-	-
SF-40-R	3/12/2014	PSSA/Hwy 67 Embankment	9,472.0	5.5	100.0	100.0	100.0	60.0	60.0	60.0	59.0	59.0	59.0	58.0	58.0	48.0	33.0	21.0	15.0	12.0	9.0	6.9	NV	NP	NP	-	-
SF-41-R	3/12/2014	PSSA/Hwy 67 Embankment	9,293.0	5.5	100.0	100.0	100.0	61.0	61.0	60.0	59.0	58.0	58.0	57.0	56.0	41.0	27.0	18.0	13.0	12.0	9.0	7.9	NV	NP	NP	-	-
SF-42-R	3/12/2014	PSSA/Hwy 67 Embankment	9,470.0	6.8	100.0	100.0	100.0	82.0	82.0	81.0	81.0	80.0	79.0	79.0	79.0	69.0	52.0	35.0	25.0	22.							

Table 5
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
CQA Earthworks Laboratory Testing Summary-Structural Fill



SAMPLE NUMBER	DATE TESTED	LOCATION	ELEV. (feet)	NATURAL MOISTURE (%)	GRAIN SIZE DISTRIBUTION (PERCENT PASSING)																	ATTERBERG LIMITS			MOISTURE/DENSITY			
					24.0"	18.0"	12.0"	4.0"	3.0"	2.0"	1.5"	1.0"	0.75"	0.50"	0.375"	No.4	No.10	No.20	No. 40	No. 50	No. 100	No. 200	PLASTIC INDEX: 30 MAX.			MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	
																							LIQUID LIMIT	PLASTIC LIMIT	PLASTIC INDEX			
																												SPECIFICATION (PERCENT PASSING)
100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0-25								
SF-48-R	3/27/2014	PSSA Pond Sump Fill	-	7.1	100.0	87.0	71.0	32.0	32.0	32.0	32.0	31.0	31.0	31.0	31.0	27.0	20.0	13.0	9.0	8.0	6.0	4.4	NV	NP	NP	-	-	
SF-49-R	3/27/2014	PSSA Pond Sump Fill	-	6.0	100.0	100.0	69.0	27.0	27.0	27.0	27.0	26.0	26.0	26.0	26.0	19.0	13.0	9.0	6.0	5.0	4.0	2.8	NV	NP	NP	-	-	
SF-50-R	3/27/2014	PSSA/Hwy 67 Embankment	9,438.0	5.3	100.0	100.0	74.0	40.0	40.0	39.0	39.0	38.0	38.0	38.0	38.0	32.0	24.0	16.0	11.0	9.0	6.0	4.6	NV	NP	NP	-	-	
SF-51-R	3/27/2014	PSSA/Hwy 67 Embankment	9,437.0	4.6	100.0	100.0	83.0	42.0	42.0	42.0	41.0	41.0	41.0	40.0	40.0	32.0	22.0	14.0	10.0	8.0	6.0	4.3	NV	NP	NP	-	-	
SF-52-R	3/28/2014	PSSA/Hwy 67 Embankment	9,441.0	7.3	100.0	91.0	76.0	34.0	34.0	34.0	34.0	34.0	33.0	33.0	33.0	27.0	18.0	11.0	7.0	6.0	4.0	2.7	NV	NP	NP	-	-	
SF-53-R	3/28/2014	PSSA/Hwy 67 Embankment	9,443.0	5.4	100.0	100.0	89.0	41.0	41.0	41.0	41.0	41.0	40.0	40.0	40.0	33.0	24.0	16.0	11.0	9.0	7.0	5.1	NV	NP	NP	-	-	
SF-54-R	3/31/2014	PSSA/Hwy 67 Embankment	9,443.0	3.7	100.0	100.0	89.0	46.0	46.0	46.0	46.0	45.0	45.0	45.0	45.0	39.0	31.0	21.0	15.0	12.0	8.0	5.9	NV	NP	NP	-	-	
SF-55-R	3/31/2014	PSSA/Hwy 67 Embankment	9,443.0	3.7	100.0	90.0	77.0	33.0	33.0	33.0	32.0	32.0	32.0	32.0	27.0	20.0	13.0	9.0	7.0	5.0	3.5	3.5	NV	NP	NP	-	-	
SF-56-R	3/31/2014	PSSA/Hwy 67 Embankment	9,445.0	3.7	100.0	100.0	100.0	58.0	58.0	58.0	57.0	57.0	57.0	57.0	57.0	50.0	38.0	28.0	18.0	15.0	10.0	7.5	NV	NP	NP	-	-	
SF-57-R	4/1/2014	PSSA/Hwy 67 Embankment	9,444.0	4.2	100.0	100.0	90.0	50.0	49.0	49.0	48.0	48.0	48.0	48.0	40.0	29.0	19.0	13.0	11.0	7.0	5.2	NV	NP	NP	-	-		
SF-58-R	4/1/2014	PSSA/Hwy 67 Embankment	9,444.0	3.9	100.0	100.0	100.0	36.0	36.0	35.0	35.0	35.0	34.0	34.0	34.0	29.0	22.0	15.0	10.0	9.0	6.0	4.2	NV	NP	NP	-	-	
SF-59-R	4/1/2014	PSSA/Hwy 67 Embankment	9,445.0	3.9	100.0	100.0	100.0	91.0	91.0	91.0	91.0	90.0	90.0	90.0	90.0	79.0	60.0	40.0	28.0	23.0	16.0	11.4	NV	NP	NP	-	-	
SF-60-R	4/1/2014	PSSA/Hwy 67 Embankment	9,445.0	6.5	100.0	100.0	92.0	36.0	36.0	36.0	35.0	34.0	33.0	33.0	32.0	32.0	26.0	18.0	11.0	7.0	6.0	4.0	2.7	NV	NP	NP	-	-
SF-61-R	4/1/2014	PSSA/Hwy 67 Embankment	9,444.0	6.8	100.0	100.0	84.0	34.0	34.0	32.0	31.0	31.0	30.0	30.0	30.0	25.0	17.0	11.0	7.0	6.0	4.0	2.7	NV	NP	NP	-	-	
SF-62-R	4/1/2014	PSSA/Hwy 67 Embankment	9,446.0	3.7	100.0	100.0	83.0	45.0	45.0	44.0	43.0	43.0	42.0	42.0	41.0	35.0	26.0	18.0	12.0	10.0	7.0	5.1	NV	NP	NP	-	-	
SF-63-R	4/1/2014	PSSA/Hwy 67 Embankment	9,447.0	3.4	100.0	100.0	76.0	45.0	44.0	42.0	42.0	40.0	40.0	39.0	39.0	33.0	24.0	16.0	11.0	9.0	6.0	5.6	NV	NP	NP	-	-	
SF-64-R	4/1/2014	PSSA/Hwy 67 Embankment	9,448.0	4.7	100.0	100.0	84.0	35.0	35.0	33.0	32.0	31.0	31.0	30.0	30.0	17.0	11.0	8.0	6.0	5.0	4.0	2.8	NV	NP	NP	-	-	
SF-65-R	4/1/2014	PSSA/Hwy 67 Embankment	9,445.0	5.2	100.0	86.0	77.0	36.0	36.0	36.0	35.0	34.0	33.0	33.0	33.0	24.0	16.0	11.0	8.0	7.0	4.0	3.3	NV	NP	NP	-	-	
SF-66-R	4/1/2014	PSSA/Hwy 67 Embankment	9,448.0	4.1	100.0	74.0	74.0	45.0	44.0	43.0	41.0	40.0	39.0	39.0	39.0	35.0	30.0	25.0	22.0	21.0	20.0	18.6	NV	NP	NP	-	-	
SF-67-R	4/1/2014	PSSA/Hwy 67 Embankment	9,446.0	4.0	100.0	100.0	100.0	50.0	50.0	49.0	48.0	48.0	47.0	47.0	46.0	46.0	40.0	28.0	18.0	13.0	11.0	8.0	6.5	NV	NP	NP	-	-
SF-68-R	4/7/2014	PSSA/Hwy 67 Embankment	9,448.0	9.9	100.0	100.0	77.0	29.0	29.0	28.0	27.0	26.0	26.0	25.0	25.0	21.0	17.0	13.0	11.0	10.0	8.0	6.4	NV	NP	NP	-	-	
SF-69-R	4/7/2014	PSSA/Hwy 67 Embankment	9,450.0	10.9	100.0	88.0	78.0	47.0	47.0	46.0	46.0	45.0	44.0	44.0	44.0	33.0	23.0	16.0	13.0	11.0	8.0	6.7	NV	NP	NP	-	-	
SF-70-R	4/7/2014	PSSA/Hwy 67 Embankment	9,452.0	6.5	100.0	100.0	100.0	56.0	56.0	54.0	54.0	53.0	53.0	52.0	52.0	44.0	33.0	23.0	16.0	14.0	10.0	7.4	NV	NP	NP	-	-	
SF-71-R	4/7/2014	PSSA/Hwy 67 Embankment	9,446.0	7.5	100.0	100.0	80.0	54.0	54.0	53.0	52.0	51.0	51.0	50.0	50.0	38.0	28.0	20.0	15.0	13.0	10.0	7.4	NV	NP	NP	-	-	
SF-72-R	4/8/2014	PSSA/Hwy 67 Embankment	9,448.0	9.6	100.0	100.0	88.0	42.0	42.0	41.0	40.0	40.0	40.0	40.0	39.0	39.0	34.0	27.0	21.0	17.0	16.0	13.0	10.7	NV	NP	NP	-	-
SF-73-R	4/8/2014	PSSA/Hwy 67 Embankment	9,448.0	8.6	100.0	100.0	90.0	50.0	50.0	49.0	49.0	48.0	48.0	48.0	47.0	47.0	40.0	32.0	24.0	20.0	18.0	15.0	12.3	NV	NP	NP	-	-
SF-74-R	4/10/2014	PSSA/Hwy 67 Embankment	9,450.0	9.0	100.0	91.0	83.0	41.0	40.0	40.0	39.0	38.0	38.0	35.0	35.0	29.0	21.0	16.0	13.0	12.0	9.0	7.4	NV	NP	NP	-	-	
SF-75-R	4/10/2014	PSSA/Hwy 67 Embankment	9,450.0	13.9	100.0	100.0	100.0	61.0	61.0	60.0	60.0	59.0	59.0	58.0	58.0	51.0	40.0	32.0	27.0	25.0	21.0	18.0	34	20	14	-	-	
SF-76-R	4/10/2014	PSSA/Hwy 67 Embankment	9,484.0	5.6	100.0	87.0	70.0	31.0	31.0	30.0	30.0	29.0	29.0	28.0	28.0	22.0	16.0	11.0	8.0	7.0	5.0	3.8	NV	NP	NP	-	-	
SF-77-R	4/10/2014	PSSA/Hwy 67 Embankment	9,484.0	5.9	100.0	75.0	63.0	42.0	42.0	42.0	41.0	40.0	40.0	40.0	40.0	39.0	33.0	23.0	16.0	12.0	10.0	8.0	5.9	NV	NP	NP	-	-
SF-78-R	4/10/2014	PSSA/Hwy 67 Embankment	9,484.0	4.2	100.0	100.0	80.0	41.0	41.0	40.0	39.0	39.0	38.0	38.0	38.0	27.0	18.0	12.0	8.0	7.0	5.0	3.8	NV	NP	NP	-	-	
SF-79-R	4/10/2014	PSSA/Hwy 67 Embankment	9,832.0	3.0	100.0	100.0	83.0	29.0	29.0	29.0	29.0	28.0	27.0	26.0	26.0	18.0	11.0	7.0	5.0	4.0	3.0	1.9	NV	NP	NP	-	-	
SF-80-R	4/30/2014	Phase 1 Bench C STA C6+00	9,600.0	6.2	100.0	100.0	100.0	49.0	49.0	48.0	47.0	46.0	45.0	44.0	44.0	32.0	23.0	17.0	13.0	11.0	9.0	6.7	NV	NP	NP	-	-	
SF-81-R	5/6/2014	East Side PSSA Ramp Fill	-	3.5	100.0	100.0	90.0	54.0	54.0	53.0	52.0	52.0	51.0	51.0	51.0	42.0	32.0	22.0	15.0	13.0	9.0	6.3	NV	NP	NP	-	-	
SF-82-R	5/8/2014	Phase 1 ADR Haul Road STA 72+00	-	7.2	100.0	100.0	69.0	34.0	34.0	32.0	31.0	31.0	30.0	30.0	30.0	23.0	17.0	12.0	9.0	8.0	6.0	5.1	NV	NP	NP	-	-	
SF-83-R	5/8/2014	Phase 1 ADR Haul Road STA 70+00	-	6.7	100.0	100.0	73.0	33.0	33.0	32.0	31.0	29.0	29.0	28.0	28.0	22.0	16.0	11.0	8.0	7.0	6.0	4.6	NV	NP	NP	-	-	
SF-84-R	6/19/2014	Phase 1 Bench J STA J12+50	9,860.0	5.4	100.0	100.0	80.0	51.0	51.0	44.0	38.0	33.0	31.0	29.0	27.0	24.0	19.0	14.0	11.0	9.0	7.0	5.3	NV	NP	NP	-	-	
SF-85-R	6/23/2014	Phase 2 Pond N 58,839.5 E 34,733.5	9,943.4	9.3	100.0	90.0	51.0	16.0	16.0	15.0	13.0	11.0	10.0	7.0	4.0	3.0	2.0	2.0	1.0	1.0	0.8	0.8	NV	NP	NP	-	-	
SF-86-R	6/24/2014	Phase 1 N 56,353.2 E 37,557.1	9,882.6	7.0	100.0	100.0	96.0	61.0	60.0	60.0	58.0	57.0	56.0	55.0	55.0	47.0	37.0	28.0	21.0	19.0	14.0	11.0	NV	NP	NP	-	-	
SF-87-R	6/25/2014	Phase 1 Bench D STA D0+00	-	11.2	100.0	89.0	66.0	40.0	40.0	39.0	38.0	38.0	37.0	37.0	37.0	32.0	26.0	21.0	18.0	17.0	14.0	12.0	28	20	8	-	-	
SF-88-R	7/1/2014	Phase 1 between Bench D STA D1+00 & Bench F STA F18+00	-	7.0	100.0	85.0	57.0	27.0	26.0	26.0	26.0	25.0	25.0	24.0	24.0	17.0	10.0	6.0	4.0	4.0	3.0	2						

Table 5
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
CQA Earthworks Laboratory Testing Summary-Structural Fill



SAMPLE NUMBER	DATE TESTED	LOCATION	ELEV. (feet)	NATURAL MOISTURE (%)	GRAIN SIZE DISTRIBUTION (PERCENT PASSING)																		ATTERBERG LIMITS			MOISTURE/DENSITY	
					24.0"	18.0"	12.0"	4.0"	3.0"	2.0"	1.5"	1.0"	0.75"	0.50"	0.375"	No.4	No.10	No.20	No. 40	No. 50	No. 100	No. 200	PLASTIC INDEX: 30 MAX.			MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)
					SPECIFICATION (PERCENT PASSING)																		LIQUID LIMIT	PLASTIC LIMIT	PLASTIC INDEX		
					100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SF-93-R	8/21/2014	Phase 1 N 56,305.1 E 36,408.7	9,674.5	5.3	100.0	100.0	100.0	100.0	100.0	99.0	98.0	97.0	96.0	95.0	94.0	70.0	53.0	40.0	31.0	28.0	21.0	16.0	NV	NP	NP	-	-
SF-94-R	8/21/2014	Phase 1 N 56,206.0 E 37,486.6	9,897.9	10.3	100.0	100.0	100.0	100.0	99.0	99.0	99.0	98.0	98.0	98.0	98.0	80.0	61.0	46.0	37.0	34.0	28.0	24.0	28	20	8	-	-
SF-95-R	9/24/2014	Phase 1 N 56,462.8 E 35,313.4	9,611.4	10.8	100.0	93.0	80.0	29.0	28.0	26.0	23.0	18.0	13.0	7.0	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.1	NV	NP	NP	-	-
SF-96-R	9/24/2014	Phase 1 N 56,116.7 E 35,048.6	9,450.1	7.2	100.0	77.0	45.0	23.0	23.0	22.0	19.0	15.0	11.0	6.0	0.5	0.4	0.3	0.2	0.1	0.1	0.1	0.1	NV	NP	NP	-	-
SF-97-R	10/8/2014	Phase 2 N 57,046.9 E 36,565.1	9,966.3	13.9	100.0	91.0	81.0	27.0	13.0	12.0	10.0	8.0	6.0	3.0	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.1	NV	NP	NP	-	-
SF-98-R	10/16/2014	Phase 2 N 56,962.4 E 37,236.8	9,988.4	9.3	100.0	100.0	66.0	11.0	11.0	11.0	10.0	9.0	7.0	4.0	2.0	1.0	0.9	0.6	0.4	0.4	0.3	0.2	NV	NP	NP	-	-
SF-99-R	10/25/2014	Phase 2 N 57,015.9 E 36,898.2	9,998.1	4.4	100.0	100.0	100.0	90.0	47.0	47.0	45.0	42.0	38.0	29.0	24.0	12.0	8.0	6.0	5.0	5.0	4.0	2.6	NV	NP	NP	-	-
SF-100-R	10/25/2014	Phase 2 N 56,731.9 E 36,660.1	9,883.8	2.3	100.0	100.0	97.0	41.0	41.0	40.0	39.0	37.0	36.0	34.0	31.0	23.0	15.0	10.0	7.0	6.0	5.0	3.5	NV	NP	NP	-	-
SF-101-R	10/25/2014	Phase 2 N 56,411.1 E 37,561.6	9,924.1	8.3	100.0	100.0	79.0	50.0	50.0	49.0	48.0	45.0	42.0	38.0	33.0	29.0	22.0	17.0	14.0	13.0	11.0	9.3	NV	NP	NP	-	-
SF-102-R	10/29/2014	Phase 2 N 56,157.2 E 37,519.2	9,924.3	8.1	100.0	83.0	74.0	38.0	21.0	19.0	17.0	13.0	10.0	5.0	0.8	0.7	0.5	0.4	0.3	0.3	0.2	0.2	NV	NP	NP	-	-
SF-103-R	10/29/2014	Phase 2 N 57,038.9 E 36,791.5	10,003.3	5.9	100.0	100.0	100.0	59.0	21.0	20.0	19.0	15.0	11.0	6.0	0.9	0.6	0.5	0.4	0.3	0.3	0.2	0.2	NV	NP	NP	-	-
SF-104-R	10/29/2014	Phase 2 N 56,816.8 E 37,458.6	9,994.7	6.7	100.0	100.0	89.0	63.0	18.0	17.0	15.0	12.0	9.0	5.0	1.0	0.8	0.6	0.5	0.4	0.3	0.3	0.2	NV	NP	NP	-	-
SF-105-R	11/17/2014	Phase 2 N 56,664.4 E 37,870.6	10,011.2	3.9	100.0	86.0	70.0	54.0	19.0	18.0	16.0	14.0	11.0	7.0	4.0	2.0	2.0	1.0	0.9	0.9	0.7	0.5	NV	NP	NP	-	-
SF-106-R	11/17/2014	Phase 2 N 56,447.8 E 37,951.0	10,012.0	1.5	100.0	100.0	85.0	52.0	18.0	17.0	16.0	13.0	11.0	8.0	4.0	2.0	1.0	0.9	0.7	0.7	0.6	0.4	NV	NP	NP	-	-
SF-107-R	11/18/2014	Phase 2 N 55,396.2 E 37,287.2	9,919.8	9	100.0	100.0	100.0	78.0	18.0	18.0	17.0	15.0	13.0	10.0	6.0	5.0	4.0	3.0	2.0	2.0	2.0	1.5	NV	NP	NP	-	-
SF-108-R	11/18/2014	Phase 2 N 56,566.3 E 37,337.7	9,921.3	9.5	100.0	75.0	75.0	58.0	21.0	20.0	19.0	17.0	14.0	10.0	6.0	6.0	5.0	4.0	3.0	3.0	3.0	2.2	NV	NP	NP	-	-
SF-109-R	11/19/2014	Phase 2 N 57,151.8 E 36,484.0	10,017.8	6.8	100.0	100.0	100.0	74.0	33.0	31.0	28.0	24.0	19.0	14.0	9.0	7.0	6.0	5.0	4.0	3.0	2.0	1.9	NV	NP	NP	-	-
SF-110-R	11/19/2014	Phase 2 N 57,073.8 E 36,844.0	10,012.4	7.7	100.0	100.0	84.0	55.0	23.0	22.0	20.0	17.0	14.0	10.0	6.0	5.0	4.0	3.0	2.0	2.0	2.0	1.4	NV	NP	NP	-	-
SF-111-R	11/19/2014	Phase 2 N 58,939.1 E 34,770.5	9,964.6	7.4	100.0	100.0	100.0	80.0	48.0	44.0	39.0	33.0	27.0	20.0	12.0	11.0	9.0	7.0	5.0	5.0	4.0	2.9	NV	NP	NP	-	-
SF-112-R	12/16/2014	Phase 2 N 57,079.2 E 36,811.4	10,017.4	4.8	100.0	100.0	100.0	87.0	35.0	34.0	31.0	27.0	22.0	15.0	9.0	6.0	4.0	3.0	2.0	2.0	2.0	1.2	NV	NP	NP	-	-
SF-113-R	1/8/2015	Phase 2 N 57,300.0 E 36,472.1	10,057.7	7.01	100.0	100.0	86.0	17.0	16.0	15.0	14.0	12.0	9.0	7.0	4.0	3.0	2.0	2.0	1.0	1.0	1.0	0.8	NV	NP	NP	-	-
SF-114-R	1/26/2015	Phase 1 N 55,708.8 E 37,321.4	9,998.3	5.3	100.0	100.0	100.0	69.0	31.0	30.0	28.0	25.0	21.0	16.0	10.0	8.0	5.0	4.0	3.0	2.0	2.0	1.3	NV	NP	NP	-	-
SF-115-R	1/27/2015	Phase 1 N 55,759.8 E 37,419.9	10,003.9	4.2	100.0	100.0	91.0	71.0	27.0	25.0	22.0	19.0	15.0	10.0	5.0	3.0	2.0	2.0	1.0	1.0	1.0	0.8	NV	NP	NP	-	-
SF-116-R	1/27/2015	Phase 1 N 55,895.0 E 37,469.8	10,001.5	5.07	100.0	100.0	100.0	80.0	29.0	27.0	24.0	20.0	16.0	11.0	6.0	4.0	3.0	2.0	2.0	1.0	1.0	0.8	NV	NP	NP	-	-
SF-117-R	1/27/2015	Phase 1 N 56,059.0 E 37,541.1	9,989.3	5.11	100.0	100.0	100.0	85.0	27.0	25.0	22.0	18.0	14.0	10.0	5.0	4.0	3.0	2.0	1.0	1.0	1.0	0.7	NV	NP	NP	-	-
SF-118-R	1/27/2015	Phase 2 N 57,439.1 E 36,597.8	10,106.9	6.4	100.0	64.0	61.0	26.0	26.0	25.0	22.0	18.0	13.0	7.0	1.0	1.0	0.4	0.3	0.2	0.2	0.2	0.1	NV	NP	NP	-	-
SF-119-R	1/27/2015	Phase 2 N 57,491.9 E 36,476.3	10,107.7	5.6	100.0	63.0	39.0	10.0	9.0	7.0	6.0	6.0	6.0	5.0	5.0	3.0	3.0	2.0	2.0	1.0	1.0	0.8	NV	NP	NP	-	-
SF-120-R	2/10/2015	Phase 1 N 55,862.4 E 37,480.9	10,011.3	2.1	100.0	81.0	67.0	59.0	58.0	54.0	47.0	39.0	31.0	22.0	12.0	9.0	7.0	5.0	4.0	4.0	3.0	2.2	NV	NP	NP	-	-
SF-121-R	2/10/2015	Phase 1 N 55,932.1 E 37,511.9	10,008.5	2.8	100.0	94.0	84.0	72.0	69.0	63.0	55.0	46.0	37.0	26.0	15.0	11.0	8.0	6.0	4.0	4.0	3.0	2.2	NV	NP	NP	-	-
SF-122-R	2/10/2015	Phase 1 N 55,980.6 E 37,537.0	10,005.1	2.9	100.0	76.0	66.0	51.0	51.0	49.0	45.0	38.0	31.0	23.0	13.0	10.0	7.0	5.0	4.0	4.0	3.0	2.1	NV	NP	NP	-	-
SF-123-R	2/10/2015	Phase 1 N 56,095.5 E 37,602.3	10,003.5	2.5	100.0	83.0	71.0	60.0	60.0	55.0	48.0	39.0	31.0	21.0	12.0	10.0	7.0	5.0	4.0	4.0	3.0	2.1	NV	NP	NP	-	-
SF-124-R	3/12/2015	Phase 1 N 54,584.1 E 34,116.7	9,452.9	9.7	100.0	89.0	82.0	68.0	62.0	54.0	47.0	39.0	30.0	21.0	12.0	11.0	9.0	7.0	5.0	5.0	3.0	2.7	NV	NP	NP	-	-
SF-125-R	3/12/2015	Phase 1 N 54,465.1 E 34,274.3	9,453.4	9.3	100.0	92.0	87.0	76.0	69.0	61.0	52.0	43.0	33.0	23.0	13.0	12.0	9.0	7.0	6.0	5.0	4.0	3.0	NV	NP	NP	-	-

Note:
 Grey text reflects tests not performed within the 9,450 to 9,550 elevation bench footprint.

Table 6
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
CQA Earthworks Laboratory Testing Summary-Select Structural Fill



SAMPLE NUMBER	DATE TESTED	LOCATION		ELEV. (feet)	NATURAL MOISTURE (%)	GRAIN SIZE DISTRIBUTION (PERCENT PASSING)													ATTERBERG LIMITS			
						3.0"	2.0"	1.5"	1.0"	0.75"	0.50"	0.375"	No.4	No.10	No.20	No. 40	No. 50	No. 100	No. 200	PLASTIC INDEX: N/A		
																				LIQUID LIMIT	PLASTIC LIMIT	PLASTIC INDEX
		SPECIFICATION (PERCENT PASSING)																				
		NORTHING	EASTING			100	-	-	-	-	-	-	-	-	-	-	-	-	-			
1SSF-1-R	8/6/2014	55,738.9	35,840.8	9,507.4	9.3	100.0	100.0	95.0	79.0	70.0	59.0	53.0	39.0	28.0	21.0	16.0	15.0	12.0	9.5	NV	NP	NP
1SSF-2-R	10/8/2014	Phase 1 Tertiary Underdrain		-	8.5	100.0	93.0	83.0	72.0	63.0	55.0	52.0	37.0	26.0	19.0	14.0	13.0	10.0	8.0	NV	NP	NP

Table 7
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



CQA Earthworks Laboratory Testing Summary-Leak Detection Fill

SAMPLE NUMBER	DATE TESTED	LOCATION		ELEV. (feet)	NATURAL MOISTURE (%)	GRAIN SIZE DISTRIBUTION (PERCENT PASSING)											ATTERBERG LIMITS		
						1.0"	0.75"	0.50"	0.375"	No.4	No.10	No.20	No. 40	No. 50	No. 100	No. 200	PLASTIC INDEX: N/A		
																	LIQUID LIMIT	PLASTIC LIMIT	PLASTIC INDEX
		SPECIFICATION (PERCENT PASSING)																	
		NORTHING	EASTING			100	-	-	40-70	5-55	-	-	-	-	-	0-10			
1LDF-1-R	11/6/2014	54,749.1	35,616.1	9,628.3	3.2	100.0	95.0	70.0	58.0	36.0	23.0	15.0	12.0	10.0	7.0	5.6	NV	NP	NP
1LDF-2-R	4/9/2015	55,534.6	34,209.6	9,525.6	3.2	100.0	90.0	59.0	46.0	25.0	15.0	10.0	7.0	6.0	5.0	3.6	NV	NP	NP

Note:
 Grey text reflects tests not performed within the 9,450 to 9,550 elevation bench footprint.

Table 8
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
CQA Earthworks Laboratory Testing Summary-Underdrain Fill



SAMPLE NUMBER	DATE TESTED	LOCATION		ELEV. (feet)	NATURAL MOISTURE (%)	GRAIN SIZE DISTRIBUTION (PERCENT PASSING)																		ATTERBERG			
						12"	8"	5"	4"	3"	2"	1.5"	1"	0.75"	0.5"	0.375"	No. 4	No. 10	No. 20	No. 40	No. 50	No. 100	No. 200	PLASTICITY INDEX: 15 MAX			
						SPECIFICAION (PERCENT PASSING)																		LIQUID LIMIT	PLASTIC LIMIT	PLASTIC INDEX	
		100	-			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0-6					
1UF-1-R	2/17/2014	2nd Udrain Stat J2+00		9,825	-	100.0	100.0	61.0	25.0	5.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NV	NP	NP
1UF-2-R	8/5/2014	55,773.9	35,749.1	9,479	-	100.0	100.0	100.0	79.0	45.0	9.0	6.0	5.0	4.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NV	NP	NP
1UF-3-R	10/8/2014	Phase 1 Tertiary udrain		-	-	100.0	100.0	100.0	46.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	NV	NP	NP

Table 9
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
CQA Earthworks Laboratory Testing Summary-Soil Liner Fill



SAMPLE NUMBER	DATE TESTED	LOCATION		ELEV. (feet)	NATURAL MOISTURE (%)	GRAINSIZE DISTRIBUTION (PERCENT PASSING)													ATTERBERG			MOISTURE/DENSITY		PERMEABILITY (k=cm/sec)
						2.0"	1.5"	1"	0.75"	0.5"	0.375"	No. 4	No. 10	No. 20	No. 40	No. 50	No. 100	No. 200	PLASTIC INDEX: 10 MIN			MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	
		SPECIFICATION (PERCENT PASSING)													LIQUID LIMIT	PLASTIC LIMIT	PLASTIC INDEX	SPECIFICATION						
		100	-			-	-	-	-	-	-	-	-	-					-	-	15-65			
1SLF-1-R	9/27/2014	54,431.2	34,891.8	9,530.3	13.5	100.0	100.0	91.0	89.0	86.0	84.0	78.0	70.0	62.0	57.0	55.0	50.0	46.0	34	17	17	113.9	13.6	5.25E-08
1SLF-2-R	10/27/2014	55,117.1	35,281.7	9,463.8	14.6	100.0	98.0	94.0	91.0	86.0	83.0	76.0	68.0	61.0	55.0	53.0	48.0	45.0	36	18		115.8	13.8	1.43E-07
1SLF-3-R	10/27/2014	55,238.1	35,418.5	9,481.4	10.1	100.0	98.0	94.0	90.0	86.0	84.0	78.0	70.0	62.0	56.0	54.0	49.0	46.0	33	18	15	115.7	13.7	1.49E-07
1SLF-4-R	3/28/2015	55,253.7	34,273.1	9,450.6	13.8	100.0	97.0	92.0	89.0	83.0	79.0	71.0	64.0	57.0	52.0	50.0	46.0	42.3	34	18	16	115.4	13.3	1.91E-07
1SLF-5-R	4/14/2015	55,216.4	34,200.1	9,463.5	14.9	100.0	100.0	93.0	90.0	85.0	82.0	77.0	69.0	62.0	57.0	54.0	50.0	47.0	36	16	20	115.5	12.7	7.38E-07
1SLF-6-R	5/7/2015	55,628.7	34,117.8	9,578.7	14.3	100.0	98.9	96.9	94.0	90.1	88.4	83.4	76.5	69.1	63.3	61.1	56.2	52.0	40	14	26	116.7	14.6	3.56E-07
1SLF-7-R	5/21/2015	54,580.0	35,438.5	9,615.5	13.8	100.0	100.0	95.2	91.1	85.5	82.1	71.5	62.3	54.7	49.3	47.0	41.5	36.4	35	15	20	120.5	12.1	4.69E-07
1SLF-8-R	5/21/2015	54,354.3	35,226.9	9,634.3	16.1	100.0	100.0	95.8	90.6	83.9	80.4	71.1	61.9	54.8	49.5	47.1	41.7	36.0	33	14	19	120.5	11.7	1.37E-07
1SLF-9-R	5/30/2015	55,860.9	34,732.3	9,497.2	17.6	100.0	100.0	96.8	93.8	90.1	87.2	81.7	72.6	65.8	60.8	58.7	54.1	50.0	37	14	23	113.9	15.3	1.90E-07
1SLF-10-R	6/9/2015	55,852.6	34,213.5	9,593.2	14.6	100.0	99.8	98.0	95.2	90.8	88.5	83.7	75.0	68.0	62.6	60.4	55.5	51.1	38	16	22	113.0	14.6	2.94E-07
1SLF-11-R	6/9/2015	55,365.3	35,454.5	9,458.3	14.9	100.0	100.0	96.7	93.5	89.7	87.5	82.6	74.8	66.9	61.3	59.2	54.6	50.5	36	15	21	114.6	14.1	2.96E-07
1SLF-12-R	6/16/2015	56,093.5	34,606.8	9,592.7	17.4	100.0	100.0	98.0	96.0	92.4	90.4	85.7	78.1	71.8	67.8	65.2	61.0	56.8	34	14	20	115.6	14.2	1.73E-07
1SLF-13-R	6/23/2015	56,221.0	34,983.3	9,495.9	10.5	100.0	100.0	98.2	96.1	93.1	91.6	87.6	79.8	72.3	66.6	64.3	59.3	55.1	36	15	21	113.8	13.7	2.21E-07
1SLF-14-R	6/23/2015	55,899.8	35,421.3	9,470.2	11.7	100.0	100.0	97.5	96.2	92.8	90.5	85.3	78.0	70.1	64.2	61.8	56.7	52.4	35	14	21	114.4	14.2	7.47E-07
1SLF-15-R	6/29/2015	56,695.1	34,558.1	9,630.8	15.5	100.0	99.6	96.9	94.2	90.5	88.6	84.9	77.6	70.1	64.5	62.2	57.2	53.1	36	15	21	116.6	12.1	2.35E-07
1SLF-16-R	7/16/2015	56,766.9	34,213.8	9,724.9	8.9	100.0	100.0	96.2	94.0	88.5	85.2	79.3	72.9	66.1	60.9	58.8	54.2	50.2	34	13	21	112.9	14.4	7.84E-08
1SLF-17-R	7/16/2015	54,991.5	35,445.0	9,546.4	12.8	100.0	99.1	96.7	94.2	90.9	89.1	83.6	77.9	69.0	61.8	59.1	53.4	48.7	35	12	23	115.9	13.4	8.65E-07
1SLF-18-R	7/22/2015	56,664.1	34,241.5	9,738.7	11.2	100.0	98.0	98.0	95.5	92.0	89.6	84.7	77.3	69.3	63.6	61.4	56.6	52.3	35	11	24	112.1	15.6	1.21E-07
1SLF-19-R	7/27/2015	55,934.1	35,808.3	9,496.3	13.5	100.0	100.0	99.0	95.5	92.4	90.0	84.5	77.2	69.9	64.4	62.3	57.2	53.2	35	11	24	116.8	13.9	5.46E-08
1SLF-20-R	7/27/2015	55,956.0	33,993.7	9,659.3	13.4	100.0	100.0	93.3	90.9	87.1	84.0	78.7	72.4	65.9	60.8	58.8	54.0	50.3	34	13	21	115.2	14.1	4.08E-07
1SLF-21-R	7/29/2015	55,968.9	35,640.8	9,492.8	11.6	100.0	100.0	91.0	83.8	80.1	77.8	74.2	68.7	62.4	57.4	55.4	50.6	46.4	36	12	24	118.0	13.5	1.09E-07
1SLF-22-R	7/27/2015	56,078.8	34,090.4	9,663.1	16.3	100.0	100.0	98.7	95.0	91.4	88.5	82.9	76.3	69.2	63.8	61.7	56.5	51.1	41	13	28	111.3	13.3	6.56E-07
1SLF-23-R	7/29/2015	56,138.4	34,471.0	9,655.5	13.0	100.0	100.0	98.2	97.4	94.0	90.5	81.5	72.9	65.4	60.2	57.9	52.9	48.7	37	12	25	112.1	15.5	1.36E-07
1SLF-24-R	7/30/2015	56,242.9	34,343.2	9,731.5	11.0	100.0	100.0	92.6	91.5	88.9	87.2	81.8	75.1	68.0	62.4	60.1	54.2	49.2	36	13	23	117.1	14.0	1.21E-07
1SLF-25-R	8/6/2015	54,285.2	35,361.8	9,672.1	14.0	100.0	99.0	97.0	94.0	89.0	86.0	76.0	67.0	-	55.0	52.0	47.0	41.0	40	17	23	118.8	9.7	2.57E-08
1SLF-26-R	8/6/2015	54,423.0	35,533.9	9,658.2	12.9	100.0	100.0	97.0	93.0	91.0	89.0	80.0	71.0	-	58.0	55.0	51.0	46.0	39	17	22	116.0	11.9	7.10E-08
1SLF-27-R	8/6/2015	54,455.5	35,758.8	9,704.8	8.8	100.0	100.0	96.0	93.0	89.0	86.0	78.0	69.0	-	58.0	55.0	51.0	46.0	39	17	22	116.2	11.9	1.77E-08
1SLF-28-R	8/6/2015	55,993.9	36,173.7	9,584.0	13.7	100.0	100.0	97.0	95.0	92.0	87.0	78.0	69.0	-	56.0	54.0	50.0	45.0	39	17	22	116.9	12.1	Sample Corrupt
1SLF-29-R	8/8/2015	57,220.6	34,557.9	9,635.3	13.9	100.0	96.1	91.3	88.0	84.8	82.6	77.0	70.6	64.1	59.1	57.0	52.4	48.4	35	12	23	116.1	13.4	In progress
1SLF-30-R	8/10/2015	54,733.8	35,910.5	9,688.7	13.8	100.0	99.1	93.5	90.2	84.8	82.0	76.2	68.5	60.8	55.0	52.7	47.7	43.2	35	13	22	117.8	13.1	In progress
1SLF-31-R	8/13/2015	55,319.1	36,003.1	9,643.6	13.8	100.0	99.6	98.0	94.8	90.8	88.5	84.3	76.5	68.4	62.5	60.2	54.7	51.2	35	14	21	115.2	15.1	In progress
1SLF-32-R	8/15/2015	56,148.9	35,412.3	9,529.3	17.1	100.0	99.6	94.4	91.7	87.4	85.5	81.4	72.9	64.8	58.7	56.3	51.2	47.0	35	12	23	117.2	13.5	4.69E-08
1SLF-33-R	8/22/2015	56,408.2	34,097.2	9,790.7	16.3	100.0	98.4	95.1	92.5	88.1	86.2	82.3	73.7	65.9	60.1	57.7	52.5	48.0	35	14	21	117.0	13.5	In progress
1SLF-34-R	8/22/2015	57,635.1	34,610.2	9,722.2	15.1	100.0	100.0	94.6	91.7	86.4	84.4	80.8	72.0	63.3	56.6	54.0	48.1	43.2	37	14	23	115.2	14.8	In progress
1SLF-35-R	8/24/2015	56,660.5	34,070.4	9,774.3	15.7	100.0	99.7	95.6	92.2	87.0	84.4	79.6	70.8	64.1	58.8	56.5	51.6	47.3	37	14	23	118.2	13.5	In progress
1SLF-36-R	8/25/2015	56,460.0	35,188.1	9,575.0	14.2	100.0	99.7	95.7	93.2	89.2	87.4	84.1	75.0	66.1	59.3	56.7	51.0	46.8	37	15	22	113.9	14.1	In progress
1SLF-37-R	8/27/2015	56,802.6	34,765.8	9,594.6	13.4	100.0	100.0	95.4	91.5	86.7	84.9	80.6	72.3	64.9	59.1	56.7	51.3	47.1	35	14	21	115.6	13.8	In progress
1SLF-38-R	8/27/2015	57,005.1	34,442.4	9,632.0	16.0	100.0	99.6	97.0	94.9	91.5	89.3	85.8	76.2	68.7	62.7	60.3	54.8	50.4	33	14	19	114.7	14.6	In progress
1SLF-39-R	9/3/2015	56,214.1	35,909.5	9,632.7	15.0	100.0	100.0	95.0	92.0	88.0	86.0	81.0	74.0	-	62.0	59.0	54.0	50.1	37	19	18	115.7	12.7	In progress
1SLF-40-R	9/3/2015	56,514.0	35,331.6	9,641.0	12.5	100.0	98.0	95.0	93.0	89.0	87.0	82.0	73.0	-	60.0	58.0	53.0	48.9	35	18	17	116.1	12.0	In progress
1SLF-41-R	9/3/2015	56,079.2	35,805.2	9,559.5	13.7	100.0	98.0	95.0	91.0	87.0	85.0	81.0	74.0	-	61.0	58.0	54.0	49.2	38	18	20	116.0	11.3	In progress
1SLF-42-R	9/3/2015	56,342.8	35,376.1	9,591.0	14.0	100.0	99.0	96.0	92.0	89.0	87.0	82.0	74.0	-	62.0	59.0	54.0	49.9	36	17	19	116.1	12.0	In progress

Note:
 Grey text reflects test locations not within the 9,450 to 9,550 elevation bench footprint.

Table 9
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
CQA Earthworks Laboratory Testing Summary-Soil Liner Fill



SAMPLE NUMBER	DATE TESTED	LOCATION		ELEV. (feet)	NATURAL MOISTURE (%)	GRAINSIZE DISTRIBUTION (PERCENT PASSING)												ATTERBERG			MOISTURE/DENSITY		PERMEABILITY (k=cm/sec)
						2.0"	1.5"	1"	0.75"	0.5"	0.375"	No. 4	No. 10	No. 20	No. 40	No. 50	No. 100	No. 200	PLASTIC INDEX: 10 MIN			MAXIMUM DRY DENSITY (pcf)	
		NORTHING	EASTING			SPECIFICATION (PERCENT PASSING)												LIQUID LIMIT	PLASTIC LIMIT	PLASTIC INDEX	SPECIFICATION		
						100	-	-	-	-	-	-	-	-	-	-	-					-	15-65
														36	15	21	114.2	14.7	1X10 ⁶				
1SLF-43-R	9/15/2015	56,656.1	34,755.3	9,592.2	13.6	100.0	98.8	96.3	93.3	89.0	87.3	82.8	74.8	65.9	59.8	57.0	51.6	47.5	In progress	In progress	In progress		
1SLF-44-R	9/16/2015	57,292.1	34,397.9	9,657.0	10.4	In progress												In progress			In progress		In progress

Table 10
Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)

CQA Earthworks Laboratory Testing Summary-Drain Cover Fill



SAMPLE NUMBER	DATE TESTED	LOCATION		ELEV. (feet)	NATURAL MOISTURE (%)	GRAINSIZE DISTRIBUTION (PERCENT PASSING)												ATTERBERG		
						1.5"	1.0"	0.75"	0.50"	0.375"	No. 4	No. 10	No. 20	No. 40	No. 50	No. 100	No. 200	PLASTIC INDEX: 0 MAX.		
		SPECIFICATION (PERCENT PASSING)												LIQUID LIMIT	PLASTIC LIMIT	PLASTIC INDEX				
		100				70-100		-	5-50									0-8		
1DCF-1-R	4/7/2015	54,322.6	34,563.8	9,484.6	6.7	100.0	98.0	86.0	68.0	60.0	42.0	27.0	18.0	13.0	11.0	8.0	6.2	NV	NP	NP
1DCF-2-R	6/8/2015	55,227.2	34,130.3	9,491.2	7.1	100.0	95.0	76.5	49.9	39.6	20.6	13.1	8.8	6.3	5.5	4.0	3.2	NV	NP	NP
1DCF-3-R	6/16/2015	55,256.5	35,486.7	9,496.4	5.4	100.0	97.5	87.2	69.3	59.6	37.8	27.2	17.8	13.0	11.5	9.1	7.7	NV	NP	NP
1DCF-4-R	6/29/2015	55,261.1	33,961.7	9,555.9	5.9	100.0	99.0	89.1	61.8	46.8	23.7	15.8	10.3	8.1	7.4	6.1	5.4	NV	NP	NP
1DCF-5-R	7/15/2015	54,975.5	35,136.5	9,458.5	7.1	100.0	97.0	85.0	60.4	50.2	30.0	19.7	12.9	9.5	8.5	6.5	5.3	NV	NP	NP
1DCF-6-R	7/30/2015	55,811.2	35,744.2	9,476.6	4.8	100.0	98.3	86.0	65.5	54.8	35.4	24.2	16.0	11.4	9.4	7.3	5.7	NV	NP	NP
1DCF-7-R	9/23/2015	56,286.4	34,861.2	9,547.4	4.2	100.0	98.1	90.9	71.4	61.2	45.9	34.8	25.8	20.3	17.3	12.1	6.7	NV	NP	NP
1DCF-8-R	9/23/2015	55,158.3	35,581.6	9,551.9	5.4	100.0	98.5	89.9	69.4	58.7	39.7	37.3	19.1	14.4	12.8	9.7	7.8	NV	NP	NP
1DCF-9-R	10/1/2015	56,986.4	34,405.4	9,644.3	6	100.0	98.2	90.1	70.3	54.1	37.6	26.9	18.1	12.8	11.0	8.2	6.5	NV	NP	NP
1DCF-10-R	10/1/2015	54,430.4	35,734.2	9,705.2	3.9	100.0	98.0	88.4	69.9	60.3	41.0	30.0	21.5	16.5	14.7	11.2	7.8	NV	NP	NP
1DCF-11-R	10/2/2015	56,603.9	34,197.9	9,766.3	3.7	100	97.9	87	65.5	57.4	40.8	29	20.6	15.5	13.7	10.1	7.8	NV	NP	NP

Note:
 Grey text reflects tests not performed within the 9,450 to 9,550 elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N1	10/04/14	N 54,256.58 E 34,646.38	8	INFO Only	113.9	13.6	112.5	95	99	Pass
1N2	10/04/14	N 54,336.90 E 34,649.99	8	INFO Only	113.9	13.6	110.1	95	97	Pass
1N3	10/04/14	N 54,432.85 E 34,752.30	8	INFO Only	113.9	13.6	118.2	95	100+	Pass
1N4	10/08/14	N 54,318.58 E 34,564.06	10	1SLF-1-R	113.9	13.6	113.8	95	100	Pass
1N5	10/08/14	N 54,345.40 E 34,671.96	10	1SLF-1-R	113.9	13.6	113.9	95	100	Pass
1N6	10/18/14	N 54,426.22 E 34,689.34	10	1SLF-1-R	113.9	13.6	108.9	95	96	Pass
1N7	10/18/14	N 54,420.08 E 34,739.58	10	1SLF-1-R	113.9	13.6	113.1	95	99	Pass
1N8	10/18/14	N 54,493.05 E 34,725.23	10	1SLF-1-R	113.9	13.6	112.8	95	99	Pass
1N9	10/20/14	N 54,322.55 E 34,762.85	10	1SLF-1-R	113.9	13.6	109.8	95	96	Pass
1N10	10/20/14	N 54,364.88 E 34,828.70	10	1SLF-1-R	113.9	13.6	113.1	95	99	Pass
1N11	10/23/14	N 54,430.61 E 34,892.13	10	1SLF-1-R	113.9	13.6	113.1	95	99	Pass
1N12	10/23/14	N 54,582.14 E 34,834.20	10	1SLF-1-R	113.9	13.6	113.2	95	99	Pass
1N13	10/23/14	N 54,520.45 E 34,910.68	10	1SLF-1-R	113.9	13.6	113.1	95	99	Pass
1N14	10/24/14	N 54,559.15 E 34,951.49	10	1SLF-1-R	113.9	13.6	113.1	95	99	Pass
1N15	10/24/14	N 54,560.69 E 35,014.05	10	1SLF-1-R	113.9	13.6	113.3	95	99	Pass
1N16	10/24/14	N 54,584.70 E 35,106.87	10	1SLF-1-R	113.9	13.6	113.3	95	99	Pass
1N17	10/24/14	N 54,654.62 E 35,030.87	10	1SLF-1-R	113.9	13.6	112.8	95	99	Pass
1N18	10/24/14	N 54,641.39 E 35,121.86	10	1SLF-1-R	113.9	13.6	113.9	95	100	Pass
1N19	10/24/14	N 54,708.64 E 35,087.78	10	1SLF-1-R	113.9	13.6	113.6	95	100	Pass
1N20	10/24/14	N 54,769.29 E 35,080.98	10	1SLF-1-R	113.9	13.6	113.8	95	100	Pass
1N21	10/27/14	N 54,718.28 E 35,218.19	10	1SLF-1-R	113.9	13.6	113.8	95	100	Pass
1N22	10/27/14	N 54,820.37 E 35,192.50	10	1SLF-1-R	113.9	13.6	113.6	95	100	Pass
1N23	10/27/14	N 54,797.29 E 35,115.12	10	1SLF-1-R	113.9	13.6	113.9	95	100	Pass
1N24	10/27/14	N 54,870.36 E 35,127.27	10	1SLF-1-R	113.9	13.6	113.8	95	100	Pass
1N25	10/28/14	N 54,935.91 E 35,202.57	10	1SLF-1-R	113.9	13.6	113.8	95	100	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N26	10/28/14	N 54,913.00 E 35,153.92	10	1SLF-1-R	113.9	13.6	113.9	95	100	Pass
1N27	10/29/14	N 55,072.00 E 35,192.23	10	1SLF-1-R	113.9	13.6	113.9	95	100	Pass
1N28	10/29/14	N 55,011.14 E 35,240.68	10	1SLF-1-R	113.9	13.6	113.9	95	100	Pass
1N29	10/29/14	N 54,951.15 E 35,393.71	10	1SLF-1-R	113.9	13.6	112.2	95	99	Pass
1N30	10/29/14	N 55,021.69 E 35,394.95	10	1SLF-1-R	113.9	13.6	111.8	95	98	Pass
1N31	10/30/14	N 55,112.59 E 35,313.85	10	1SLF-2-R	115.8	13.8	113.2	95	98	Pass
1N32	10/30/14	N 55,021.30 E 35,457.18	10	1SLF-1-R	113.9	13.6	113.6	95	100	Pass
1N33	10/30/14	N 55,069.79 E 35,486.97	10	1SLF-1-R	113.9	13.6	112.8	95	99	Pass
1N34	10/30/14	N 55,116.38 E 35,407.36	10	1SLF-1-R	113.9	13.6	113.2	95	99	Pass
1N35	10/30/14	N 55,173.12 E 35,385.48	10	1SLF-1-R	113.9	13.6	113.9	95	100	Pass
1N36	10/30/14	N 55,238.24 E 35,418.53	10	1SLF-3-R	115.7	13.7	110.9	95	96	Pass
1N37	10/30/14	N 55,167.33 E 35,487.75	10	1SLF-1-R	113.9	13.6	112.7	95	99	Pass
1N38	10/31/14	N 55,268.04 E 35,412.30	10	1SLF-1-R	113.9	13.6	113.6	95	100	Pass
1N39	10/31/14	N 55,267.49 E 35,533.72	10	1SLF-1-R	113.9	13.6	113.1	95	99	Pass
1N40	10/31/14	N 55,208.21 E 35,506.64	10	1SLF-1-R	113.9	13.6	113.2	95	99	Pass
1N41	11/01/14	N 55,214.72 E 35,551.42	10	1SLF-2-R	115.8	13.8	114.6	95	99	Pass
1N42	11/01/14	N 55,265.93 E 35,640.36	10	1SLF-2-R	115.8	13.8	115.2	95	99	Pass
1N43	11/01/14	N 55,404.91 E 35,585.86	10	1SLF-2-R	115.8	13.8	114.8	95	99	Pass
1N44	11/01/14	N 54,336.69 E 34,434.27	10	1SLF-2-R	115.8	13.8	110.6	95	96	Pass
1N45	05/31/15	N 55,146.10 E 34,149.47	10	1SLF-5-R	115.5	12.7	114.9	95	99	Pass
1N46	05/31/15	N 55,090.73 E 34,120.06	10	1SLF-5-R	115.5	12.7	115.1	95	100	Pass
1N47	05/31/15	N 55,226.84 E 34,048.22	10	1SLF-5-R	115.5	12.7	115.4	95	100	Pass
1N48	05/31/15	N 55,234.24 E 34,095.13	10	1SLF-5-R	115.5	12.7	113.8	95	99	Pass
1N49	05/31/15	N 55,216.62 E 34,199.56	10	1SLF-5-R	115.5	12.7	114.3	95	99	Pass
1N50	06/02/15	N 55,255.10 E 34,272.06	10	1SLF-4-R	115.4	13.3	115.1	95	100	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N51	06/02/15	N 55,261.79 E 34,186.86	10	1SLF-4-R	115.4	13.3	115.3	95	100	Pass
1N52	06/02/15	N 55,370.98 E 34,142.21	10	1SLF-4-R	115.4	13.3	114.9	95	100	Pass
1N53	06/02/15	N 55,442.53 E 34,134.86	10	1SLF-4-R	115.4	13.3	115.2	95	100	Pass
1N54	06/03/15	N 55,375.78 E 34,294.11	10	1SLF-4-R	115.4	13.3	115.1	95	100	Pass
1N55	06/03/15	N 55,479.95 E 34,268.68	10	1SLF-4-R	115.4	13.3	113.1	95	98	Pass
1N56	06/04/15	N 55,438.35 E 34,346.67	10	1SLF-4-R	115.4	13.3	115.1	95	100	Pass
1N57	06/04/15	N 55,492.80 E 34,328.15	10	1SLF-4-R	115.4	13.3	113.6	95	98	Pass
1N58	06/04/15	N 55,537.02 E 34,303.33	10	1SLF-4-R	115.4	13.3	114.7	95	99	Pass
1N59	06/04/15	N 55,585.81 E 34,238.85	10	1SLF-4-R	115.4	13.3	113.6	95	98	Pass
1N60	06/04/15	N 55,592.89 E 34,183.24	10	1SLF-4-R	115.4	13.3	113.3	95	98	Pass
1N61	06/05/15	N 55,510.43 E 34,364.38	10	1SLF-4-R	115.4	13.3	116.3	95	100+	Pass
1N62	06/05/15	N 55,613.54 E 34,319.62	10	1SLF-4-R	115.4	13.3	115.1	95	100	Pass
1N63	06/05/15	N 55,593.56 E 34,377.32	10	1SLF-4-R	115.4	13.3	114.6	95	99	Pass
1N64	06/05/15	N 55,511.63 E 34,449.83	10	1SLF-4-R	115.4	13.3	114.4	95	99	Pass
1N65	06/06/15	N 55,582.18 E 34,479.28	10	1SLF-4-R	115.4	13.3	114.3	95	99	Pass
1N66	06/06/15	N 55,664.12 E 34,483.16	10	1SLF-4-R	115.4	13.3	114.3	95	99	Pass
1N67	06/06/15	N 55,658.68 E 34,436.33	10	1SLF-4-R	115.4	13.3	114.8	95	99	Pass
1N68	06/06/15	N 55,690.64 E 34,396.42	10	1SLF-4-R	115.4	13.3	114.7	95	99	Pass
1N69	06/06/15	N 55,738.10 E 34,499.08	10	1SLF-4-R	115.4	13.3	113.3	95	98	Pass
1N70	06/06/15	N 55,655.05 E 34,564.35	10	1SLF-4-R	115.4	13.3	113.6	95	98	Pass
1N71	06/08/15	N 55,253.23 E 33,929.34	10	1SLF-6-R	115.5	15.1	114.5	95	99	Pass
1N72	06/08/15	N 55,317.56 E 33,925.15	10	1SLF-6-R	115.5	15.1	115.3	95	100	Pass
1N73	06/08/15	N 55,376.35 E 33,924.11	10	1SLF-6-R	115.5	15.1	115.2	95	100	Pass
1N74	06/08/15	N 55,492.66 E 34,078.89	10	1SLF-6-R	115.5	15.1	113.6	95	98	Pass
1N75	06/08/15	N 55,473.49 E 34,014.37	10	1SLF-6-R	115.5	15.1	113.2	95	98	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N76	06/08/15	N 55,441.18 E 33,970.51	10	1SLF-6-R	115.5	15.1	114.7	95	99	Pass
1N77	06/09/15	N 55,532.52 E 34,088.13	10	1SLF-6-R	115.5	15.1	114.3	95	99	Pass
1N78	06/09/15	N 55,582.28 E 34,042.37	10	1SLF-6-R	115.5	15.1	114.3	95	99	Pass
1N79	06/09/15	N 55,628.86 E 34,009.25	10	1SLF-6-R	115.5	15.1	114.7	95	99	Pass
1N80	06/09/15	N 55,628.63 E 34,118.35	10	1SLF-6-R	115.5	15.1	114.7	95	99	Pass
1N81	06/10/15	N 55,364.73 E 35,454.36	10	1SLF-8-R	120.5	11.7	117.5	95	98	Pass
1N82	06/10/15	N 55,454.36 E 35,525.21	10	1SLF-6-R	115.5	15.1	115.1	95	100	Pass
1N83	06/10/15	N 55,828.96 E 34,011.14	10	1SLF-9-R	113.9	15.3	112.0	95	98	Pass
1N84	06/10/15	N 55,765.46 E 34,035.51	10	1SLF-9-R	113.9	15.3	109.1	95	96	Pass
1N85	06/10/15	N 55,699.12 E 34,076.77	10	1SLF-8-R	120.5	15.3	119.8	95	99	Pass
1N86	06/10/15	N 55,723.15 E 34,156.79	10	1SLF-6-R	115.5	15.3	114.9	95	99	Pass
1N87	06/11/15	N 55,970.91 E 34,118.25	10	1SLF-8-R	120.5	15.3	114.5	95	95	Pass
1N88	06/11/15	N 55,914.02 E 34,178.30	10	1SLF-8-R	120.5	15.3	119.5	95	99	Pass
1N89	06/11/15	N 55,852.67 E 34,213.38	10	1SLF-8-R	120.5	15.3	114.9	95	95	Pass
1N90	06/11/15	N 55,925.80 E 34,237.29	10	1SLF-8-R	120.5	15.3	118.7	95	99	Pass
1N91	06/19/15	N 55,816.21 E 34,359.61	10	1SLF-10-R	113.0	14.6	115.6	95	100+	Pass
1N92	06/19/15	N 55,884.07 E 34,359.21	10	1SLF-10-R	113.0	14.6	113.9	95	100+	Pass
1N93	06/19/15	N 55,636.51 E 34,607.94	10	1SLF-10-R	113.0	14.6	116.5	95	100+	Pass
1N94	06/19/15	N 55,706.54 E 34,672.73	10	1SLF-10-R	113.0	14.6	114.3	95	100+	Pass
1N95	06/19/15	N 55,743.85 E 34,592.99	10	1SLF-10-R	113.0	14.6	114.6	95	100+	Pass
1N96	06/19/15	N 55,847.20 E 34,563.55	10	1SLF-10-R	113.0	14.6	113.7	95	100+	Pass
1N97	06/20/15	N 55,795.43 E 34,777.23	10	1SLF-9-R	113.9	15.3	112.2	95	99	Pass
1N98	06/20/15	N 55,945.89 E 55,847.17	10	1SLF-9-R	113.9	15.3	111.1	95	98	Pass
1N99	06/20/15	N 55,973.00 E 34,742.19	10	1SLF-9-R	113.9	15.3	109.0	95	96	Pass
1N100	06/20/15	N 55,833.21 E 34,694.87	10	1SLF-9-R	113.9	15.3	110.0	95	97	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N101	06/20/15	N 55,873.90 E 34,675.97	10	1SLF-9-R	113.9	15.3	109.4	95	96	Pass
1N102	06/20/15	N 55,889.99 E 34,647.94	10	1SLF-9-R	113.9	15.3	110.5	95	97	Pass
1N103	06/20/15	N 55,963.58 E 34,670.70	10	1SLF-9-R	113.9	15.3	109.3	95	96	Pass
1N104	06/21/15	N 55,889.38 E 34,825.93	10	1SLF-9-R	113.9	15.3	114.3	95	100+	Pass
1N105	06/21/15	N 55,997.73 E 34,799.48	10	1SLF-9-R	113.9	15.3	114.5	95	100+	Pass
1N106	06/21/15	N 55,860.90 E 34,732.42	10	1SLF-9-R	113.9	15.3	133.5	95	100+	Pass
1N107	06/21/15	N 55,945.89 E 34,744.00	10	1SLF-9-R	113.9	15.3	114.1	95	100+	Pass
1N108	06/21/15	N 55,973.08 E 34,675.32	10	1SLF-9-R	113.9	15.3	108.2	95	95	Pass
1N109	06/21/15	N 56,004.05 E 34,716.45	10	1SLF-9-R	113.9	15.3	109.1	95	96	Pass
1N110	06/22/15	N 55,997.73 E 34,762.56	10	1SLF-9-R	113.9	15.3	114.6	95	100+	Pass
1N111	06/22/15	N 55,997.73 E 34,742.56	10	1SLF-9-R	113.9	15.3	113.8	95	100	Pass
1N112	06/22/15	N 56,067.45 E 34,824.93	10	1SLF-9-R	113.9	15.3	113.3	95	99	Pass
1N113	06/22/15	N 56,114.06 E 34,764.85	10	1SLF-9-R	113.9	15.3	113.1	95	99	Pass
1N114	06/22/15	N 55,997.36 E 34,779.68	10	1SLF-13-R	113.8	13.7	111.0	95	98	Pass
1N115	06/23/15	N 56,139.30 E 34,797.83	10	1SLF-13-R	113.8	13.7	114.3	95	100+	Pass
1N116	06/23/15	N 56,161.36 E 34,845.57	10	1SLF-13-R	113.8	13.7	109.7	95	96	Pass
1N117	06/23/15	N 56,183.85 E 34,905.91	10	1SLF-13-R	113.8	13.7	108.4	95	95	Pass
1N118	06/23/15	N 56,057.56 E 34,886.43	10	1SLF-13-R	113.8	13.7	110.7	95	97	Pass
1N119	06/23/15	N 56,082.19 E 34,942.09	10	1SLF-13-R	113.8	13.7	108.3	95	95	Pass
1N119A	06/24/15	Retest	10	1SLF-13-R	113.8	13.7	110.3	95	97	Pass
1N120	06/23/15	N 53,116.98 E 34,991.64	10	1SLF-13-R	113.8	13.7	109.4	95	96	Pass
1N121	06/24/15	N 56,178.31 E 34,987.29	10	1SLF-13-R	113.8	13.7	109.5	95	96	Pass
1N122	06/24/15	N 56,221.02 E 34,983.26	10	1SLF-13-R	113.8	13.7	110.4	95	97	Pass
1N123	06/24/15	N 56,320.15 E 35,025.79	10	1SLF-13-R	113.8	13.7	117.5	95	100+	Pass
1N124	06/24/15	N 56,143.03 E 35,063.08	10	1SLF-13-R	113.8	13.7	110.2	95	97	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N125	06/24/15	N 56,153.86 E 35,110.51	10	1SLF-13-R	113.8	13.7	108.3	95	95	Pass
1N126	06/24/15	N 56,163.86 E 35,183.41	10	1SLF-13-R	113.8	13.7	107.9	95	95	Pass
1N127	06/24/15	N 55,870.12 E 34,411.41	10	1SLF-13-R	113.8	13.7	108.8	95	96	Pass
1N128	06/24/15	N 55,928.16 E 34,428.29	10	1SLF-13-R	113.8	13.7	112.2	95	99	Pass
1N129	06/24/15	N 56,005.91 E 34,428.36	10	1SLF-13-R	113.8	13.7	109.2	95	96	Pass
1N130	06/26/15	N 56,093.53 E 35,220.17	10	1SLF-13-R	113.8	13.7	117.0	95	100+	Pass
1N131	06/26/15	N 56,076.68 E 35,292.58	10	1SLF-13-R	113.8	13.7	110.5	95	97	Pass
1N132	06/26/15	N 55,900.10 E 35,425.04	10	1SLF-14-R	114.1	14.2	111.8	95	98	Pass
1N133	06/27/15	N 56,030.74 E 34,512.40	10	1SLF-12-R	115.6	14.2	111.2	95	96	Pass
1N134	06/27/15	N 56,073.22 E 34,574.72	10	1SLF-12-R	115.6	14.2	111.2	95	96	Pass
1N135	06/27/15	N 56,130.95 E 34,684.98	10	1SLF-12-R	115.6	14.2	115.3	95	100	Pass
1N136	06/29/15	N 56,333.00 E 34,672.22	10	1SLF-15-R	116.6	12.1	120.1	95	100+	Pass
1N137	06/29/15	N 56,231.36 E 34,649.58	10	1SLF-15-R	116.6	12.1	119.6	95	100+	Pass
1N138	06/29/15	N 55,828.14 E 35,460.16	10	1SLF-14-R	114.4	14.2	111.5	95	97	Pass
1N139	06/29/15	N 55,766.05 E 35,581.00	10	1SLF-14-R	114.4	14.2	110.5	95	97	Pass
1N140	06/30/15	N 56,380.97 E 34,787.22	10	1SLF-15-R	116.6	12.1	115.1	95	99	Pass
1N141	06/30/15	N 56,413.92 E 34,699.08	10	1SLF-15-R	116.6	12.1	120.8	95	100+	Pass
1N142	06/30/15	N 56,366.91 E 34,974.39	10	1SLF-15-R	116.6	12.1	114.3	95	98	Pass
1N143	06/30/15	N 56,368.09 E 34,872.70	10	1SLF-15-R	116.6	12.1	114.6	95	98	Pass
1N144	07/01/15	N 56,417.41 E 34,931.93	10	1SLF-12-R	115.6	14.2	112.7	95	97	Pass
1N145	07/01/15	N 56,472.78 E 34,833.70	10	1SLF-12-R	115.6	14.2	112.0	95	97	Pass
1N146	07/01/15	N 56,488.54 E 34,701.28	10	1SLF-12-R	115.6	14.2	114.0	95	99	Pass
1N147	07/02/15	N 55,175.29 E 35,730.64	10	1SLF-7-R	120.5	12.1	118.9	95	99	Pass
1N148	07/11/15	N 56,507.53 E 34,597.57	10	1SLF-12-R	115.6	14.2	112.5	95	97	Pass
1N149	07/11/15	N 56,587.98 E 34,751.06	10	1SLF-12-R	115.6	14.2	113.4	95	98	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N150	07/11/15	N 56,626.01 E 34,644.38	10	1SLF-15-R	116.6	12.1	113.0	95	97	Pass
1N151	07/11/15	N 56,646.60 E 34,556.33	10	1SLF-15-R	116.6	12.1	113.9	95	98	Pass
1N152	07/11/15	N 56,694.96 E 34,557.81	10	1SLF-15-R	116.6	12.1	117.4	95	100+	Pass
1N153	07/11/15	N 56,725.74 E 34,647.98	10	1SLF-15-R	116.6	12.1	114.0	95	98	Pass
1N154	07/11/15	N 56,765.38 E 34,573.26	10	1SLF-15-R	116.6	12.1	113.6	95	97	Pass
1N155	07/11/15	N 54,212.35 E 34,824.18	10	1SLF-15-R	116.6	12.1	113.6	95	97	Pass
1N156	07/13/15	N 54,226.00 E 35,045.26	10	1SLF-9-R	113.9	15.3	109.6	95	96	Pass
1N157	07/13/15	N 54,282.51 E 35,035.75	10	1SLF-8-R	120.5	11.7	118.4	95	98	Pass
1N158	07/13/15	N 54,374.76 E 35,013.83	10	1SLF-8-R	120.5	11.7	118.8	95	99	Pass
1N159	07/14/15	N 54,311.91 E 34,904.04	10	1SLF-6-R	115.2	15.1	115.7	95	100+	Pass
1N160	07/14/15	N 54,222.39 E 34,892.06	10	1SLF-6-R	115.2	15.1	115.3	95	100+	Pass
1N161	07/14/15	N 54,255.76 E 35,114.52	10	1SLF-8-R	120.5	11.7	118.3	95	98	Pass
1N162	07/14/15	N 54,362.73 E 35,099.31	10	1SLF-8-R	120.5	11.7	118.8	95	99	Pass
1N163	07/14/15	N 54,444.66 E 35,075.51	10	1SLF-8-R	120.5	11.7	118.3	95	98	Pass
1N164	07/14/15	N 54,533.68 E 35,084.00	10	1SLF-8-R	120.5	11.7	119.7	95	99	Pass
1N165	07/14/15	N 54,543.20 E 35,209.89	10	1SLF-8-R	120.5	11.7	118.1	95	98	Pass
1N166	07/14/15	N 54,353.80 E 35,227.53	10	1SLF-8-R	120.5	11.7	119.6	95	99	Pass
1N167	07/15/15	N 56,824.87 E 34,524.44	10	1SLF-15-R	116.6	12.1	116.3	95	100	Pass
1N168	07/15/15	N 56,837.19 E 34,457.59	10	1SLF-15-R	116.6	12.1	116.5	95	100	Pass
1N169	07/15/15	N 56,917.12 E 34,382.64	10	1SLF-15-R	116.6	12.1	116.1	95	100	Pass
1N170	07/15/15	N 54,620.62 E 35,227.85	10	1SLF-9-R	113.9	15.3	113.6	95	100	Pass
1N171	07/15/15	N 54,585.55 E 35,311.33	10	1SLF-7-R	120.5	12.1	121.9	95	100+	Pass
1N172	07/15/15	N 54,579.89 E 35,439.34	10	1SLF-7-R	120.5	12.1	121.1	95	100+	Pass
1N173	07/15/15	N 54,719.82 E 35,353.24	10	1SLF-15-R	116.6	12.1	115.4	95	99	Pass
1N174	07/17/15	N 54,778.86 E 35,339.30	10	1SLF-7-R	120.5	13.4	115.2	95	96	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N175	07/17/15	N 54,751.87 E 35,450.20	10	1SLF-7-R	120.5	13.4	117.9	95	98	Pass
1N176	07/17/15	N 54,641.21 E 35,551.06	10	1SLF-7-R	120.5	13.4	116.0	95	96	Pass
1N177	07/17/15	N 54,919.38 E 35,636.58	10	1SLF-7-R	120.5	13.4	116.0	95	96	Pass
1N178	07/17/15	N 54,934.53 E 35,512.36	10	1SLF-17-R	115.9	13.4	117.1	95	100+	Pass
1N179	07/19/15	N 55,013.81 E 35,584.45	10	1SLF-7-R	120.5	12.1	119.5	95	99	Pass
1N180	07/19/15	N 54,843.81 E 35,753.72	10	1SLF-7-R	120.5	12.1	121.3	95	100+	Pass
1N181	07/19/15	N 54,945.43 E 35,782.28	10	1SLF-7-R	120.5	12.1	121.2	95	100+	Pass
1N182	07/19/15	N 55,083.86 E 35,719.62	10	1SLF-7-R	120.5	12.1	119.9	95	100	Pass
1N183	07/19/15	N 54,991.50 E 35,444.96	10	1SLF-17-R	115.9	13.4	116.2	95	100+	Pass
1N184	07/20/15	N 55,000.72 E 35,879.13	10	1SLF-17-R	115.9	13.4	115.0	95	99	Pass
1N185	07/22/15	N 55,125.71 E 35,865.24	10	1SLF-17-R	115.9	13.4	114.0	95	98	Pass
1N186	07/22/15	N 55,226.94 E 35,888.37	10	1SLF-17-R	115.9	13.4	110.7	95	96	Pass
1N187	07/23/15	N 55,386.85 E 35,713.99	10	1SLF-7-R	120.5	12.1	117.9	95	98	Pass
1N188	07/23/15	N 55,449.99 E 35,698.18	10	1SLF-12-R	115.6	14.2	114.3	95	99	Pass
1N189	07/23/15	N 55,532.92 E 35,631.75	10	1SLF-12-R	115.6	14.2	111.3	95	96	Pass
1N190	07/23/15	N 55,568.87 E 35,524.34	10	1SLF-12-R	115.6	14.2	112.6	95	97	Pass
1N191	07/24/15	N 55,558.01 E 35,837.76	10	1SLF-11-R	114.6	14.1	110.1	95	96	Pass
1N192	07/24/15	N 55,638.52 E 35,826.14	10	1SLF-11-R	114.6	14.1	115.6	95	100+	Pass
1N193	07/24/15	N 55,720.77 E 35,733.15	10	1SLF-16-R	112.9	14.4	108.8	95	96	Pass
1N194	07/24/15	N 55,718.37 E 35,644.77	10	1SLF-11-R	114.6	14.1	114.2	95	100	Pass
1N195	07/27/15	N 55,840.64 E 35,630.33	10	1SLF-19-R	116.8	13.9	112.8	95	97	Pass
1N196	07/27/15	N 55,877.37 E 35,717.53	10	1SLF-19-R	116.8	13.9	119.2	95	100+	Pass
1N197	07/27/15	N 55,762.04 E 33,958.65	10	1SLF-20-R	115.2	14.1	115.0	95	100	Pass
1N198	07/27/15	N 55,870.07 E 33,974.31	10	1SLF-20-R	115.2	14.1	109.9	95	95	Pass
1N199	07/27/15	N 55,956.20 E 33,993.52	10	1SLF-20-R	115.2	14.1	112.2	95	97	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N200	07/27/15	N 55,810.63 E 35,857.76	10	1SLF-19-R	116.8	13.9	118.0	95	100+	Pass
1N201	07/28/15	N 55,834.01 E 35,961.50	10	1SLF-19-R	116.8	13.9	111.3	95	95	Pass
1N202	07/28/15	N 55,922.14 E 35,931.24	10	1SLF-19-R	116.8	13.9	116.9	95	100+	Pass
1N203	07/28/15	N 55,898.57 E 35,724.40	10	1SLF-19-R	116.8	13.9	120.1	95	100+	Pass
1N204	07/28/15	N 55,983.69 E 35,874.77	10	1SLF-19-R	116.8	13.9	114.7	95	98	Pass
1N205	07/28/15	N 55,935.22 E 35,808.48	10	1SLF-19-R	116.8	13.9	116.2	95	99	Pass
1N206	07/29/15	N 55,985.55 E 35,789.10	10	1SLF-7-R	120.5	12.1	115.2	95	96	Pass
1N207	07/29/15	N 55,999.33 E 35,722.63	10	1SLF-7-R	120.5	12.1	116.7	95	97	Pass
1N208	07/29/15	N 55,960.14 E 35,667.42	10	1SLF-7-R	120.5	12.1	119.0	95	99	Pass
1N209	07/29/15	N 56,193.41 E 34,010.61	10	1SLF-20-R	115.2	14.1	113.7	95	99	Pass
1N210	07/29/15	N 56,126.94 E 33,987.31	10	1SLF-20-R	115.2	14.1	113.1	95	98	Pass
1N211	07/29/15	N 56,060.65 E 34,046.36	10	1SLF-19-R	116.8	13.9	118.2	95	100+	Pass
1N212	07/30/15	N 56,270.71 E 34,065.75	10	1SLF-19-R	116.8	13.9	115.1	95	99	Pass
1N213	07/30/15	N 56,210.02 E 34,073.56	10	1SLF-22-R	111.3	13.3	110.0	95	99	Pass
1N214	07/30/15	N 56,078.30 E 34,090.58	10	1SLF-22-R	111.3	13.3	114.9	95	100+	Pass
1N215	07/30/15	N 56,137.05 E 34,140.08	10	1SLF-23-R	112.3	15.5	112.0	95	100	Pass
1N216	07/31/15	N 56,279.90 E 34,165.17	10	1SLF-24-R	117.1	14.0	113.9	95	97	Pass
1N217	07/31/15	N 56,196.64 E 34,216.90	10	1SLF-24-R	117.1	14.0	119.4	95	100+	Pass
1N218	07/31/15	N 56,100.87 E 34,231.40	10	1SLF-24-R	117.1	14.0	117.4	95	100+	Pass
1N219	07/31/15	N 56,305.38 E 34,284.31	10	1SLF-24-R	117.1	14.0	113.2	95	97	Pass
1N220	07/31/15	N 56,243.10 E 34,343.34	10	1SLF-24-R	117.1	14.0	111.8	95	95	Pass
1N221	07/31/15	N 56,183.69 E 34,310.56	10	1SLF-24-R	117.1	14.0	111.7	95	95	Pass
1N222	07/31/15	N 56,051.54 E 34,328.49	10	1SLF-23-R	112.3	15.5	107.6	95	96	Pass
1N223	08/01/15	N 56,207.84 E 34,360.62	10	1SLF-24-R	117.1	14.0	112.2	95	96	Pass
1N224	08/01/15	N 56,111.13 E 34,365.39	10	1SLF-21-R	118.0	13.5	117.0	95	99	Pass

Note:

Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N225	08/01/15	N 56,162.44 E 34,404.32	10	1SLF-21-R	118.0	13.5	117.5	95	100	Pass
1N226	08/03/15	N 56,199.83 E 34,433.32	10	1SLF-24-R	117.1	14.0	114.1	95	97	Pass
1N227	08/03/15	N 56,277.88 E 34,402.74	10	1SLF-24-R	117.1	14.0	111.6	95	95	Pass
1N228	08/03/15	N 56,138.18 E 34,470.92	10	1SLF-24-R	117.1	14.0	116.7	95	100	Pass
1N229	08/03/15	N 56,326.59 E 34,351.34	10	1SLF-23-R	112.3	15.5	117.6	95	100+	Pass
1N230	08/03/15	N 54,202.74 E 35,132.07	10	1SLF-24-R	117.1	14.0	118.6	95	100+	Pass
1N231	08/03/15	N 54,211.39 E 35,199.50	10	1SLF-26-R	111.8	15.0	111.8	95	100	Pass
1N232	08/03/15	N 54,266.83 E 35,269.83	10	1SLF-24-R	117.1	14.0	117.3	95	100+	Pass
1N233	08/03/15	N 56,325.77 E 34,420.33	10	1SLF-24-R	117.1	14.0	112.1	95	96	Pass
1N234	08/03/15	N 56,338.97 E 34,484.83	10	1SLF-24-R	117.1	14.0	114.6	95	98	Pass
1N235	08/03/15	N 54,284.63 E 35,361.95	10	1SLF-25-R	114.1	13.0	115.6	95	100+	Pass
1N236	08/03/15	N 54,326.18 E 35,445.40	10	1SLF-30-R	117.8	13.1	120.1	95	100+	Pass
1N237	08/03/15	N 54,321.11 E 35,559.37	10	1SLF-30-R	117.8	13.1	117.0	95	99	Pass
1N238	08/03/15	N 54,402.07 E 35,616.53	10	1SLF-30-R	117.8	13.1	118.5	95	100+	Pass
1N239	08/04/15	N 54,422.56 E 35,534.32	10	1SLF-26-R	111.8	15.0	117.4	95	100+	Pass
1N240	08/04/15	N 54,496.33 E 35,610.48	10	1SLF-30-R	117.8	13.1	117.6	95	100	Pass
1N241	08/04/15	N 56,357.04 E 34,592.52	10	1SLF-26-R	111.8	15.0	106.5	95	95	Pass
1N242	08/04/15	N 56,414.15 E 34,563.74	10	1SLF-23-R	112.3	15.5	106.8	95	95	Pass
1N243	08/04/15	N 56,401.41 E 34,501.49	10	1SLF-21-R	118.0	13.0	118.9	95	100+	Pass
1N244	08/04/15	N 56,388.46 E 34,379.40	10	1SLF-23-R	112.3	15.5	109.3	95	97	Pass
1N245	08/05/15	N 56,455.09 E 34,326.77	10	1SLF-24-R	117.1	14.0	111.8	95	95	Pass
1N246	08/05/15	N 56,456.40 E 34,423.01	10	1SLF-21-R	118.0	13.5	117.1	95	99	Pass
1N247	08/05/15	N 56,512.83 E 34,513.97	10	1SLF-24-R	117.1	14.0	114.5	95	98	Pass
1N248	08/05/15	N 56,252.54 E 34,538.24	10	1SLF-24-R	117.1	14.0	113.1	95	97	Pass
1N249	08/05/15	N 56,627.31 E 34,505.22	10	1SLF-22-R	111.3	13.3	109.4	95	98	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N250	08/05/15	N 56,565.58 E 34,436.65	10	1SLF-24-R	117.1	14.0	116.3	95	99	Pass
1N251	08/05/15	N 56,565.66 E 34,299.20	10	1SLF-22-R	111.3	13.3	111.0	95	100	Pass
1N252	08/06/15	N 54,714.16 E 35,733.81	10	1SLF-30-R	117.8	13.1	115.6	95	98	Pass
1N253	08/06/15	N 54,607.11 E 35,735.10	10	1SLF-30-R	117.8	13.1	116.3	95	99	Pass
1N254	08/06/15	N 54,560.73 E 35,622.47	10	1SLF-30-R	117.8	13.1	114.3	95	97	Pass
1N255	08/06/15	N 54,455.23 E 35,758.77	10	1SLF-27-R	111.0	16.1	114.0	95	100+	Pass
1N256	08/06/15	N 54,503.91 E 35,855.36	10	1SLF-30-R	117.8	13.1	120.4	95	100+	Pass
1N257	08/07/15	N 54,581.20 E 35,963.19	10	1SLF-30-R	117.8	13.1	119.5	95	100+	Pass
1N258	08/07/15	N 54,588.76 E 35,854.70	10	1SLF-30-R	117.8	13.1	118.4	95	100+	Pass
1N259	08/07/15	N 54,734.32 E 35,766.13	10	1SLF-30-R	117.8	13.1	117.2	95	99	Pass
1N260	08/07/15	N 54,749.13 E 35,850.63	10	1SLF-30-R	117.8	13.1	121.0	95	100+	Pass
1N261	08/07/15	N 56,767.28 E 34,214.40	10	1SLF-16-R	112.9	14.4	119.1	95	100+	Pass
1N262	08/07/15	N 56,664.22 E 34,241.42	10	1SLF-18-R	112.1	15.6	114.2	95	100+	Pass
1N263	08/07/15	N 56,647.74 E 34,322.32	10	1SLF-21-R	118.0	13.5	118.1	95	100+	Pass
1N264	08/07/15	N 56,681.91 E 34,494.73	10	1SLF-16-R	112.9	14.4	109.6	95	97	Pass
1N265	08/07/15	N 56,640.82 E 34,452.31	10	1SLF-16-R	112.9	14.4	110.1	95	98	Pass
1N266	08/08/15	N 56,793.27 E 34,418.74	10	1SLF-16-R	112.9	14.4	110.4	95	98	Pass
1N267	08/08/15	N 56,732.47 E 34,358.95	10	1SLF-21-R	118.0	13.5	117.3	95	99	Pass
1N268	08/08/15	N 56,712.83 E 34,281.99	10	1SLF-21-R	118.0	13.5	116.7	95	99	Pass
1N269	08/08/15	N 56,714.53 E 34,201.95	10	1SLF-16-R	112.9	14.4	112.5	95	100	Pass
1N270	08/08/15	N 56,783.02 E 34,299.78	10	1SLF-21-R	118.0	13.5	117.7	95	100	Pass
1N271	08/08/15	N 56,855.90 E 34,321.97	10	1SLF-18-R	112.1	15.6	111.6	95	100	Pass
1N272	08/10/15	N 56,895.43 E 34,300.92	10	1SLF-30-R	117.8	13.1	114.3	95	97	Pass
1N273	08/10/15	N 56,817.06 E 34,267.48	10	1SLF-30-R	117.8	13.1	113.6	95	96	Pass
1N274	08/10/15	N 56,790.44 E 34,166.34	10	1SLF-30-R	117.8	13.1	113.6	95	96	Pass

Note:

Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N275	08/12/15	N 54,733.93 E 35,910.43	10	1SLF-30-R	117.8	13.1	116.0	95	98	Pass
1N276	08/12/15	N 54,806.06 E 35,855.35	10	1SLF-30-R	117.8	13.1	112.0	95	95	Pass
1N277	08/12/15	N 54,591.29 E 36,064.11	10	1SLF-30-R	117.8	13.1	116.6	95	99	Pass
1N278	08/20/15	N 56,344.05 E 35,201.47	10	1SLF-30-R	117.8	13.1	117.7	95	100	Pass
1N279	08/20/15	N 56,297.71 E 35,254.62	10	1SLF-30-R	117.8	13.1	116.5	95	99	Pass
1N280	08/20/15	N 56,237.92 E 35,292.25	10	1SLF-30-R	117.8	13.1	117.2	95	99	Pass
1N281	08/20/15	N 56,213.19 E 35,340.03	10	1SLF-30-R	117.8	13.1	114.3	95	97	Pass
1N282	08/20/15	N 55,968.99 E 35,640.64	10	1SLF-30-R	117.8	13.1	117.2	95	99	Pass
1N283	08/20/15	N 56,066.06 E 35,632.76	10	1SLF-30-R	117.8	13.1	116.3	95	99	Pass
1N284	08/20/15	N 56,092.57 E 35,537.71	10	1SLF-30-R	117.8	13.1	115.3	95	98	Pass
1N285	08/21/15	N 56,147.54 E 35,413.16	10	1SLF-30-R	117.8	13.1	117.5	95	100	Pass
1N286	08/21/15	N 55,296.83 E 35,774.14	10	1SLF-30-R	117.8	13.1	116.9	95	99	Pass
1N287	08/21/15	N 55,308.57 E 35,831.73	10	1SLF-30-R	117.8	13.1	117.5	95	100	Pass
1N288	08/21/15	N 55,323.13 E 35,884.07	10	1SLF-30-R	117.8	13.1	117.6	95	100	Pass
1N289	08/21/15	N 55,345.55 E 35,945.63	10	1SLF-30-R	117.8	13.1	117.3	95	100	Pass
1N290	08/21/15	N 55,389.84 E 36,001.21	10	1SLF-30-R	117.8	13.1	112.3	95	95	Pass
1N291	08/21/15	N 55,439.59 E 35,897.28	10	1SLF-30-R	117.8	13.1	112.6	95	96	Pass
1N292	08/23/15	N 55,459.98 E 35,873.19	10	1SLF-28-R	116.9	12.1	111.3	95	95	Pass
1N293	08/23/15	N 55,479.12 E 35,940.15	10	1SLF-30-R	117.8	13.1	116.4	95	99	Pass
1N294	08/23/15	N 55,486.77 E 35,979.74	10	1SLF-30-R	117.8	13.1	116.2	95	99	Pass
1N295	08/23/15	N 55,504.67 E 36,028.29	10	1SLF-30-R	117.8	13.1	116.9	95	99	Pass
1N296	08/23/15	N 55,318.45 E 36,003.52	10	1SLF-31-R	115.2	15.1	114.8	95	100	Pass
1N297	08/23/15	N 55,540.21 E 36,068.51	10	1SLF-28-R	116.9	12.1	112.2	95	96	Pass
1N298	08/23/15	N 55,626.41 E 36,009.22	10	1SLF-28-R	116.9	12.1	111.9	95	96	Pass
1N299	08/23/15	N 55,693.19 E 35,976.09	10	1SLF-28-R	116.9	12.1	114.9	95	98	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N300	08/24/15	N 55,736.70 E 35,980.29	10	1SLF-28-R	116.9	12.1	115.3	95	99	Pass
1N301	08/24/15	N 55,735.05 E 36,043.61	10	1SLF-28-R	116.9	12.1	116.8	95	100	Pass
1N302	08/24/15	N 55,735.96 E 36,109.73	10	1SLF-28-R	116.9	12.1	110.3	95	95	Pass
1N303	08/24/15	N 55,821.41 E 36,024.89	10	1SLF-28-R	116.9	12.1	116.6	95	100	Pass
1N304	08/24/15	N 55,806.43 E 36,084.57	10	1SLF-28-R	116.9	12.1	115.6	95	99	Pass
1N305	08/24/15	N 55,804.72 E 36,140.91	10	1SLF-28-R	116.9	12.1	115.5	95	99	Pass
1N306	08/25/15	N 55,928.18 E 36,036.34	10	1SLF-28-R	116.9	12.1	115.7	95	99	Pass
1N307	08/25/15	N 55,919.76 E 36,099.47	10	1SLF-28-R	116.9	12.1	114.4	95	98	Pass
1N308	08/25/15	N 55,914.68 E 36,164.47	10	1SLF-28-R	116.9	12.1	113.3	95	97	Pass
1N309	08/25/15	N 55,916.56 E 36,226.12	10	1SLF-28-R	116.9	12.1	115.2	95	99	Pass
1N310	08/25/15	N 55,911.88 E 36,275.82	10	1SLF-28-R	116.9	12.1	114.3	95	98	Pass
1N311	08/25/15	N 55,995.82 E 36,174.94	10	1SLF-28-R	116.9	12.1	114.2	95	98	Pass
1N312	08/25/15	N 56,443.74 E 33,990.18	10	1SLF-33-R	117.0	13.5	117.8	95	100+	Pass
1N313	08/25/15	N 56,384.43 E 34,054.98	10	1SLF-33-R	117.0	13.5	117.3	95	100+	Pass
1N314	08/25/15	N 56,359.97 E 34,126.07	10	1SLF-33-R	117.0	13.5	117.2	95	100+	Pass
1N315	08/25/15	N 56,408.19 E 34,097.16	10	1SLF-33-R	117.0	13.5	117.4	95	100+	Pass
1N316	08/25/15	N 55,966.65 E 36,192.02	10	1SLF-28-R	116.9	12.1	116.2	95	99	Pass
1N317	08/25/15	N 56,021.75 E 36,189.91	10	1SLF-28-R	116.9	12.1	117.5	95	100+	Pass
1N318	08/25/15	N 56,017.33 E 36,308.47	10	1SLF-28-R	116.9	12.1	114.7	95	98	Pass
1N319	08/25/15	N 56,074.08 E 36,401.53	10	1SLF-28-R	116.9	12.1	115.9	95	99	Pass
1N320	08/26/15	N 56,398.31 E 34,292.64	10	1SLF-35-R	118.2	13.5	122.8	95	100+	Pass
1N321	08/26/15	N 56,436.68 E 34,227.42	10	1SLF-35-R	118.2	13.5	123.1	95	100+	Pass
1N322	08/26/15	N 56,496.59 E 34,154.77	10	1SLF-35-R	118.2	13.5	119.6	95	100+	Pass
1N323	08/26/15	N 56,524.49 E 34,074.46	10	1SLF-35-R	118.2	13.5	115.8	95	98	Pass
1N324	08/26/15	N 56,592.02 E 34,177.76	10	1SLF-35-R	118.2	13.5	113.3	95	96	Pass

Note:

Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N325	08/27/15	N 56,654.58 E 34,101.91	10	1SLF-35-R	118.2	13.5	118.3	95	100+	Pass
1N326	08/27/15	N 56,581.13 E 34,043.66	10	1SLF-35-R	118.2	13.5	118.8	95	100+	Pass
1N327	08/27/15	N 56,661.33 E 34,070.44	10	1SLF-35-R	118.2	13.5	120.3	95	100+	Pass
1N328	08/28/15	N 57,106.96 E 34,424.18	10	1SLF-38-R	114.7	14.6	125.4	95	100+	Pass
1N329	08/28/15	N 57,245.33 E 34,440.73	10	1SLF-29-R	116.1	13.4	110.6	95	95	Pass
1N330	08/28/15	N 57,133.88 E 34,502.82	10	1SLF-29-R	116.1	13.4	124.2	95	100+	Pass
1N331	08/28/15	N 57,220.51 E 34,557.90	10	1SLF-29-R	116.1	13.4	115.4	95	99	Pass
1N332	08/28/15	N 57,299.96 E 34,634.49	10	1SLF-29-R	116.1	13.4	116.9	95	100+	Pass
1N333	08/28/15	N 57,282.51 E 34,762.40	10	1SLF-29-R	116.1	13.4	112.7	95	97	Pass
1N334	08/28/15	N 57,180.87 E 34,784.52	10	1SLF-29-R	116.1	13.4	114.9	95	99	Pass
1N335	08/28/15	N 57,108.35 E 34,707.03	10	1SLF-29-R	116.1	13.4	119.7	95	100+	Pass
1N336	08/31/15	N 57,118.59 E 34,857.14	10	1SLF-29-R	116.1	13.4	112.3	95	97	Pass
1N337	08/31/15	N 57,043.14 E 34,843.31	10	1SLF-37-R	115.6	13.8	115.3	95	100	Pass
1N338	08/31/15	N 56,891.90 E 34,763.53	10	1SLF-37-R	115.6	13.8	118.1	95	100+	Pass
1N339	08/31/15	N 57,005.15 E 34,442.51	10	1SLF-38-R	114.7	14.6	118.9	95	100+	Pass
1N340	09/01/15	N 56,137.21 E 36,373.38	10	1SLF-28-R	116.9	12.1	116.3	95	99	Pass
1N341	09/01/15	N 56,098.72 E 36,254.47	10	1SLF-28-R	116.9	12.1	116.7	95	100	Pass
1N342	09/01/15	N 56,030.67 E 36,143.90	10	1SLF-28-R	116.9	12.1	122.8	95	100+	Pass
1N343	09/01/15	N 56,156.71 E 36,214.06	10	1SLF-28-R	116.9	12.1	116.6	95	100	Pass
1N344	09/01/15	N 56,204.01 E 36,315.81	10	1SLF-28-R	116.9	12.1	117.4	95	100+	Pass
1N345	09/02/15	N 56,150.13 E 36,149.41	10	1SLF-28-R	116.9	12.1	115.9	95	99	Pass
1N346	09/02/15	N 56,216.99 E 36,120.12	10	1SLF-28-R	116.9	12.1	111.9	95	96	Pass
1N347	09/02/15	N 56,103.81 E 36,083.79	10	1SLF-39-R	113.9	14.1	113.2	95	99	Pass
1N348	09/02/15	N 56,159.58 E 36,043.55	10	1SLF-39-R	113.9	14.1	115.6	95	100+	Pass
1N349	09/02/15	N 56,099.46 E 36,045.68	10	1SLF-36-R	113.9	14.1	110.9	95	97	Pass

Note:
 Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N350	09/02/15	N 56,029.38 E 36,013.66	10	1SLF-36-R	113.9	14.1	108.9	95	96	Pass
1N351	09/03/15	N 56,065.26 E 35,975.63	10	1SLF-36-R	113.9	14.1	115.4	95	100+	Pass
1N352	09/03/15	N 56,142.11 E 35,952.18	10	1SLF-36-R	113.9	14.1	113.0	95	99	Pass
1N353	09/08/15	N 56,214.08 E 35,909.57	10	1SLF-36-R	113.9	14.1	116.4	95	100+	Pass
1N354	09/08/15	N 56,149.26 E 35,846.04	10	1SLF-36-R	113.9	14.1	118.0	95	100+	Pass
1N355	09/09/15	N 56,046.82 E 35,858.60	10	1SLF-36-R	113.9	14.1	113.8	95	100	Pass
1N356	09/09/15	N 56,128.87 E 35,800.75	10	1SLF-36-R	113.9	14.1	117.5	95	100+	Pass
1N357	09/09/15	N 56,236.02 E 35,777.06	10	1SLF-36-R	113.9	14.1	117.2	95	100+	Pass
1N358	09/09/15	N 56,224.32 E 35,705.19	10	1SLF-36-R	113.9	14.1	117.0	95	100+	Pass
1N359	09/09/15	N 56,302.27 E 35,651.17	10	1SLF-36-R	113.9	14.1	110.1	95	97	Pass
1N360	09/09/15	N 56,193.72 E 35,589.24	10	1SLF-36-R	113.9	14.1	114.5	95	100+	Pass
1N361	09/10/15	N 56,246.70 E 35,576.41	10	1SLF-36-R	113.9	14.1	118.9	95	100+	Pass
1N362	09/10/15	N 56,217.85 E 35,482.82	10	1SLF-36-R	113.9	14.1	113.6	95	100	Pass
1N363	09/10/15	N 56,318.38 E 35,547.82	10	1SLF-36-R	113.9	14.1	115.9	95	100+	Pass
1N364	09/10/15	N 56,392.89 E 35,475.62	10	1SLF-36-R	113.9	14.1	112.9	95	99	Pass
1N365	09/10/15	N 56,321.45 E 35,470.14	10	1SLF-36-R	113.9	14.1	115.8	95	100+	Pass
1N366	09/10/15	N 56,278.72 E 35,387.76	10	1SLF-36-R	113.9	14.1	116.0	95	100+	Pass
1N367	09/11/15	N 56,342.79 E 35,376.24	10	1SLF-36-R	113.9	14.1	116.7	95	100+	Pass
1N368	09/11/15	N 56,443.94 E 35,379.30	10	1SLF-36-R	113.9	14.1	113.9	95	100	Pass
1N369	09/11/15	N 56,513.86 E 35,331.90	10	1SLF-36-R	113.9	14.1	116.1	95	100+	Pass
1N370	09/11/15	N 56,506.17 E 35,251.31	10	1SLF-36-R	113.9	14.1	115.0	95	100+	Pass
1N371	09/11/15	N 56,429.34 E 35,299.43	10	1SLF-36-R	113.9	14.1	116.4	95	100+	Pass
1N372	09/11/15	N 56,346.68 E 35,303.09	10	1SLF-36-R	113.9	14.1	113.9	95	100	Pass
1N373	09/11/15	N 56,414.51 E 35,201.53	10	1SLF-36-R	113.9	14.1	114.9	95	100+	Pass
1N374	09/12/15	N 55,893.20 E 35,556.40	10	1SLF-36-R	113.9	14.1	115.0	95	100+	Pass

Note:

Grey text reflects test locations not within the 9,450' to 9,550' elevation bench footprint.

Table 11
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)



Nuclear Gauge Moisture-Density Testing Summary-Soil Liner Fill

TEST NUMBER	DATE TESTED	LOCATION	DEPTH (inches)	LABORATORY			FIELD			PASS/FAIL
				SAMPLE NUMBER	MAX. DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	DRY DENSITY (pcf)	SPECIFIED COMPACTION (%)	COMPACTION (%)	
1N375	09/12/15	N 55,974.21 E 35,526.45	10	1SLF-36-R	113.9	14.1	114.2	95	100+	Pass
1N376	09/12/15	N 55,992.46 E 35,435.46	10	1SLF-36-R	113.9	14.1	113.8	95	100	Pass
1N377	09/12/15	N 56,137.24 E 35,328.63	10	1SLF-36-R	113.9	14.1	113.8	95	100	Pass
1N378	09/12/15	N 56,299.21 E 35,160.36	10	1SLF-36-R	113.9	14.1	112.3	95	99	Pass
1N379	09/14/15	N 56,480.93 E 35,157.46	10	1SLF-36-R	113.9	14.1	117.0	95	100+	Pass
1N380	09/14/15	N 56,460.09 E 35,188.16	10	1SLF-36-R	113.9	14.1	116.5	95	100+	Pass
1N381	09/14/15	N 56,557.96 E 35,185.31	10	1SLF-36-R	113.9	14.1	114.9	95	100+	Pass
1N382	09/14/15	N 56,641.06 E 35,182.89	10	1SLF-36-R	113.9	14.1	117.0	95	100+	Pass
1N383	09/14/15	N 56,428.17 E 35,107.89	10	1SLF-36-R	113.9	14.1	115.7	95	100+	Pass

Table 12
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
Soil Liner Fill Depth Verification Summary



DATE	SAMPLE NUMBER	DEPTH (inches)	NORTHING	EASTING	ELEVATION (feet)	PASS/FAIL
10/8/2014	1D1	13	54,357.19	34,554.94	9,465.18	PASS
10/8/2014	1D2	13	54,368.98	34,601.22	9,473.40	PASS
10/8/2014	1D3	13	54,395.54	34,642.81	9,474.20	PASS
10/8/2014	1D4	13	54,279.69	34,676.48	9,530.26	PASS
10/8/2014	1D5	14	54,256.12	34,646.18	9,531.24	PASS
10/20/2014	1D6	15	54,355.73	34,775.41	9,527.33	PASS
10/20/2014	1D7	14	54,379.75	34,799.40	9,524.35	PASS
10/20/2014	1D8	14	54,417.15	34,801.79	9,509.88	PASS
10/20/2014	1D9	14	54,371.18	34,846.86	9,541.35	PASS
10/23/2014	1D10	14	54,550.09	34,844.40	9,477.08	PASS
10/23/2014	1D11	14	54,587.95	34,896.94	9,482.65	PASS
10/24/2014	1D12	14	54,677.37	34,993.69	9,487.87	PASS
10/24/2014	1D13	14	54,613.65	34,928.20	9,485.14	PASS
10/24/2014	1D14	14	54,665.79	34,936.81	9,473.82	PASS
10/24/2014	1D15	13	54,727.51	34,957.48	9,463.89	PASS
10/24/2014	1D16	13	54,695.58	35,097.97	9,514.82	PASS
10/24/2014	1D17	14	54,718.80	35,136.28	9,520.33	PASS
10/27/2014	1D18	14	54,763.63	35,150.84	9,513.04	PASS
10/27/2014	1D19	13	54,787.70	35,195.01	9,520.32	PASS
10/28/2014	1D20	13	54,817.72	35,267.17	9,535.03	PASS
10/28/2014	1D21	14	54,861.52	35,229.96	9,512.42	PASS
10/29/2014	1D22	13	54,904.26	35,278.23	9,516.24	PASS
10/29/2014	1D23	14	54,865.31	35,319.20	9,539.11	PASS
10/29/2014	1D24	13	54,962.19	35,317.17	9,514.07	PASS
10/30/2015	1D25	13	54,999.90	35,389.38	9,527.13	PASS
10/30/2014	1D26	13	55,095.54	35,410.38	9,510.16	PASS
10/30/2014	1D27	14	55,122.62	35,519.60	9,538.04	PASS
10/30/2014	1D28	14	55,129.05	35,478.74	9,523.54	PASS
10/30/2014	1D29	13	55,140.46	35,456.37	9,513.60	PASS
10/31/2014	1D30	12	55,308.33	35,371.62	9,450.06	PASS
10/31/2014	1D31	13	55,272.42	35,459.19	9,482.34	PASS
10/31/2014	1D32	13	55,324.47	35,484.04	9,477.83	PASS
11/1/2014	1D33	16	55,344.42	35,603.84	9,511.74	PASS
5/31/2015	1D34	15	55,231.17	34,050.79	9,518.27	PASS
5/31/2015	1D35	13	55,203.61	34,192.07	9,463.35	PASS
5/31/2015	1D36	14	55,153.57	34,169.13	9,462.16	PASS
6/2/2015	1D37	14	55,255.84	34,272.54	9,450.17	PASS
6/2/2015	1D38	15	55,303.51	34,209.53	9,479.70	PASS

Note:
 Grey text reflects test locations not within the 9,450 to 9,550' elevation bench footprint.

Table 12
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
Soil Liner Fill Depth Verification Summary



DATE	SAMPLE NUMBER	DEPTH (inches)	NORTHING	EASTING	ELEVATION (feet)	PASS/FAIL
6/2/2015	1D39	15	55,406.01	34,213.91	9,500.17	PASS
6/3/2015	1D40	13	55,374.25	34,289.47	9,467.59	PASS
6/3/2015	1D41	15.5	55,336.78	34,296.66	9,457.27	PASS
6/3/2015	1D42	13.5	55,345.97	34,285.84	9,462.70	PASS
6/4/2015	1D43	13	55,529.42	34,300.89	9,496.67	PASS
6/4/2015	1D44	14	55,587.12	34,183.32	9,547.29	PASS
6/5/2015	1D45	13	55,536.51	34,360.51	9,483.43	PASS
6/5/2015	1D46	14	55,612.18	34,315.20	9,518.92	PASS
6/6/2015	1D47	14	55,664.98	34,488.20	9,494.02	PASS
6/6/2015	1D48	14	55,691.66	34,399.03	9,523.79	PASS
6/6/2015	1D49	14	55,703.03	34,529.48	9,496.34	PASS
6/8/2015	1D50	14	55,323.60	33,928.35	9,578.46	PASS
6/8/2015	1D51	15	55,392.61	33,934.15	9,590.82	PASS
6/8/2015	1D52	13	55,480.95	34,066.62	9,562.74	PASS
6/8/2015	1D53	13	55,468.39	34,010.42	9,582.35	PASS
6/9/2015	1D54	13	55,554.22	34,087.37	9,572.11	PASS
6/9/2015	1D55	14	55,565.70	34,045.72	9,592.60	PASS
6/10/2015	1D56	13	55,364.48	35,422.37	9,450.21	PASS
6/10/2015	1D57	12	55,757.63	34,033.16	9,627.14	PASS
6/10/2015	1D58	12	55,728.91	34,159.61	9,577.00	PASS
6/11/2015	1D59	14	55,968.48	34,122.69	9,635.44	PASS
6/11/2015	1D60	13	55,847.66	34,206.56	9,592.92	PASS
6/19/2015	1D61	14	55,799.71	34,413.39	9,550.31	PASS
6/19/2015	1D62	14	55,875.66	34,357.68	9,596.18	PASS
6/19/2015	1D63	13	55,703.67	34,670.35	9,462.67	PASS
6/19/2015	1D64	14	55,837.27	34,555.45	9,533.01	PASS
6/20/2015	1D65	13	55,791.03	34,775.49	9,465.52	PASS
6/20/2015	1D66	14	55,888.10	34,738.88	9,501.65	PASS
6/20/2015	1D67	14	55,872.26	34,674.59	9,515.80	PASS
6/20/2015	1D68	14	55,958.59	34,668.66	9,541.25	PASS
6/21/2015	1D69	14	55,880.57	34,794.15	9,482.47	PASS
6/21/2015	1D70	13.5	55,971.31	34,675.22	9,542.11	PASS
6/22/2015	1D71	13	55,992.32	34,904.29	9,466.69	PASS
6/22/2015	1D72	14	56,062.46	34,823.73	9,509.07	PASS
6/23/2015	1D73	14	56,155.20	34,842.34	9,520.89	PASS
6/23/2015	1D74	14	56,052.32	34,884.00	9,485.94	PASS
6/24/2015	1D75	14	56,176.12	34,987.99	9,479.58	PASS
6/24/2015	1D76	15+	56,323.54	35,024.14	9,533.91	PASS

Note:
 Grey text reflects test locations not within the 9,450 to 9,550' elevation bench footprint.

Table 12
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
Soil Liner Fill Depth Verification Summary



DATE	SAMPLE NUMBER	DEPTH (inches)	NORTHING	EASTING	ELEVATION (feet)	PASS/FAIL
6/25/2015	1D77	14	56,145.79	35,062.23	9,460.68	PASS
6/25/2015	1D78	14	56,158.47	35,179.66	9,503.73	PASS
6/25/2015	1D79	13	55,872.94	34,417.02	9,577.33	PASS
6/26/2015	1D80	14	55,931.37	34,429.48	9,596.98	PASS
6/26/2015	1D81	14	56,073.25	35,303.24	9,504.82	PASS
6/27/2015	1D82	12	56,098.37	34,607.97	9,593.14	PASS
6/29/2015	1D83	13	56,333.78	34,671.36	9,625.52	PASS
6/29/2015	1D84	14	55,799.88	35,530.04	9,461.44	PASS
7/1/2015	1D85	12.5	56,427.45	34,837.06	9,571.13	PASS
7/11/2015	1D86	12	56,706.41	34,591.40	9,617.37	PASS
7/11/2015	1D87	13	56,709.98	34,664.50	9,602.32	PASS
7/14/2015	1D88	13	54,264.47	34,821.22	9,565.47	PASS
7/14/2015	1D89	13	54,388.19	35,214.74	9,622.64	PASS
7/15/2015	1D90	12.5	54,327.43	35,172.40	9,632.75	PASS
7/15/2015	1D91	13	54,689.03	35,278.50	9,566.31	PASS
7/17/2015	1D92	14	54,772.23	35,347.07	9,567.47	PASS
7/17/2015	1D93	14	54,640.34	35,539.44	9,625.98	PASS
7/17/2015	1D94	13	54,926.11	35,634.88	9,602.22	PASS
7/19/2015	1D95	14	55,067.74	35,529.20	9,550.58	PASS
7/19/2015	1D96	12	54,845.84	35,741.80	9,637.84	PASS
7/19/2015	1D97	15	55,088.96	35,704.22	9,582.87	PASS
7/19/2015	1D98	14	55,966.15	35,671.23	9,495.92	PASS
7/23/2015	1D99	13	55,452.47	35,700.36	9,517.64	PASS
7/24/2015	1D100	12	55,741.07	35,620.10	9,465.23	PASS
7/27/2015	1D101	12.5	55,840.68	35,628.10	9,474.28	PASS
7/27/2015	1D102	12	55,887.25	35,713.87	9,476.75	PASS
7/27/2015	1D103	14	55,804.31	33,971.44	9,654.46	PASS
7/28/2015	1D104	12.5	55,832.61	35,929.37	9,532.04	PASS
7/28/2015	1D105	12	55,906.36	35,868.17	9,503.43	PASS
7/31/2015	1D106	13	56,279.08	34,169.67	9,735.93	PASS
7/31/2015	1D107	13	56,196.05	34,208.50	9,705.00	PASS
7/31/2015	1D108	14	56,105.01	34,224.80	9,670.67	PASS
7/31/2015	1D109	13	56,303.67	34,281.64	9,744.26	PASS
7/31/2015	1D110	13	56,247.36	34,345.21	9,732.66	PASS
7/31/2015	1D111	14	56,181.07	34,306.08	9,708.09	PASS
7/31/2015	1D112	13	56,050.60	34,323.42	9,660.11	PASS
8/1/2015	1D113	14	56,216.82	34,356.04	9,724.88	PASS
8/1/2015	1D114	13	56,112.51	34,370.46	9,679.74	PASS

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Table 12
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
Soil Liner Fill Depth Verification Summary



DATE	SAMPLE NUMBER	DEPTH (inches)	NORTHING	EASTING	ELEVATION (feet)	PASS/FAIL
8/1/2015	1D115	12.5	56,164.72	34,408.37	9,689.26	PASS
8/3/2015	1D116	14	56,134.07	34,468.00	9,655.92	PASS
8/3/2015	1D117	13	56,209.68	34,440.15	9,686.38	PASS
8/3/2015	1D118	13	56,271.20	34,406.94	9,716.30	PASS
8/3/2015	1D119	14	56,326.95	34,356.73	9,743.91	PASS
8/3/2015	1D120	12.5	54,205.67	35,135.36	9,650.16	PASS
8/3/2015	1D121	13	54,215.55	35,201.87	9,660.66	PASS
8/3/2015	1D122	14	54,270.29	35,268.58	9,657.92	PASS
8/3/2015	1D123	13	56,328.39	34,423.60	9,723.22	PASS
8/3/2015	1D124	14	56,341.26	34,489.48	9,697.75	PASS
8/3/2015	1D125	13	54,284.57	35,364.76	9,672.53	PASS
8/3/2015	1D126	14	54,327.54	35,440.47	9,668.97	PASS
8/3/2015	1D127	13	54,326.29	35,556.76	9,684.21	PASS
8/4/2015	1D128	13	54,410.49	35,622.17	9,678.43	PASS
8/4/2015	1D129	14	54,426.70	35,536.81	9,658.17	PASS
8/4/2015	1D130	13	54,492.45	35,605.68	9,661.09	PASS
8/4/2015	1D131	13	56,361.06	34,594.87	9,657.33	PASS
8/4/2015	1D132	13	56,418.31	34,562.17	9,667.90	PASS
8/5/2015	1D133	14	56,420.15	34,522.62	9,680.88	PASS
8/5/2015	1D134	13	56,407.96	34,439.19	9,712.50	PASS
8/5/2015	1D135	13	56,443.74	34,333.87	9,739.81	PASS
8/5/2015	1D136	14	56,445.13	34,426.03	9,712.41	PASS
8/5/2015	1D137	14	56,496.53	34,525.05	9,668.53	PASS
8/5/2015	1D138	13.5	56,563.97	34,482.07	9,677.25	PASS
8/5/2015	1D139	14	56,566.15	34,427.73	9,696.61	PASS
8/5/2015	1D140	14	56,567.85	34,340.07	9,726.40	PASS
8/6/2015	1D141	13	54,629.27	35,678.71	9,605.33	PASS
8/6/2015	1D142	13	54,682.90	35,790.90	9,608.04	PASS
8/6/2015	1D143	12	54,619.06	35,836.07	9,648.53	PASS
8/6/2015	1D144	14	54,528.26	35,723.15	9,651.75	PASS
8/7/2015	1D145	14	54,586.35	35,966.72	9,727.61	PASS
8/7/2015	1D146	13	54,586.59	35,849.85	9,704.41	PASS
8/7/2015	1D147	14	54,728.38	35,763.28	9,663.56	PASS
8/7/2015	1D148	12	54,745.24	35,847.95	9,676.54	PASS
8/8/2015	1D149	13	56,618.69	34,355.14	9,712.08	PASS
8/8/2015	1D150	12	56,701.71	34,440.59	9,670.04	PASS
8/8/2015	1D151	12	56,772.49	34,457.75	9,650.06	PASS
8/8/2015	1D152	12	56,764.10	34,360.99	9,685.61	PASS
8/8/2015	1D153	14	56,664.89	34,240.76	9,738.62	PASS
8/8/2015	1D154	14	56,692.11	34,363.65	9,670.00	PASS

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Table 12
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
Soil Liner Fill Depth Verification Summary



DATE	SAMPLE NUMBER	DEPTH (inches)	NORTHING	EASTING	ELEVATION (feet)	PASS/FAIL
8/8/2015	1D155	14	56,792.68	34,410.30	9,662.22	PASS
8/8/2015	1D156	13	56,704.28	34,288.73	9,717.93	PASS
8/8/2015	1D157	13	56,705.30	34,204.12	9,739.62	PASS
8/8/2015	1D158	14	56,774.07	34,303.85	9,701.30	PASS
8/8/2015	1D159	13	56,846.81	34,326.22	9,676.80	PASS
8/9/2015	1D160	12	55,991.68	35,778.45	9,521.26	PASS
8/9/2015	1D161	12.5	55,997.69	35,732.60	9,519.23	PASS
8/9/2015	1D162	12	56,193.59	34,014.07	9,717.52	PASS
8/9/2015	1D163	13	56,127.33	33,994.20	9,697.04	PASS
8/9/2015	1D164	13.5	56,056.83	34,039.25	9,663.57	PASS
8/9/2015	1D165	13	56,264.42	34,063.94	9,737.80	PASS
8/9/2015	1D166	13	56,207.03	34,069.79	9,714.41	PASS
8/9/2015	1D167	13.5	56,085.56	34,097.58	9,664.23	PASS
8/9/2015	1D168	13	56,137.32	34,134.10	9,682.93	PASS
8/10/2015	1D169	14	56,897.63	34,306.15	9,667.13	PASS
8/10/2015	1D170	13	56,822.60	34,260.48	9,704.82	PASS
8/10/2015	1D171	14	56,790.53	34,174.09	9,728.88	PASS
8/12/2015	1D172	14	54,734.71	35,916.77	9,689.64	PASS
8/12/2015	1D173	13	54,813.44	35,858.61	9,665.40	PASS
8/12/2015	1D174	14	54,593.59	36,061.12	9,739.45	PASS
8/20/2015	1D175	14	56,345.52	35,198.03	9,544.62	PASS
8/20/2015	1D176	14	56,209.05	35,341.85	9,536.13	PASS
8/21/2015	1D177	14	56,141.91	35,412.09	9,526.13	PASS
8/21/2015	1D178	14	55,300.08	35,778.49	9,554.53	PASS
8/21/2015	1D179	13	55,317.60	35,877.22	9,589.29	PASS
8/21/2015	1D180	14	55,385.15	35,992.58	9,630.11	PASS
8/23/2015	1D181	14	55,473.61	35,938.84	9,592.17	PASS
8/23/2015	1D182	14	55,504.12	36,023.71	9,626.86	PASS
8/23/2015	1D183	14	55,621.32	36,004.95	9,595.52	PASS
8/23/2015	1D184	14	55,689.13	35,972.90	9,567.67	PASS
8/24/2015	1D185	14	55,820.06	36,020.53	9,562.26	PASS
8/24/2015	1D186	14	55,802.52	36,136.31	9,617.66	PASS
8/25/2015	1D187	14	55,933.86	36,029.41	9,550.71	PASS
8/25/2015	1D188	14	55,919.09	36,160.49	9,593.91	PASS
8/25/2015	1D189	14	55,912.05	36,268.65	9,636.35	PASS
8/25/2015	1D190	14	56,445.14	33,995.78	9,813.69	PASS
8/25/2015	1D191	13	56,367.87	34,134.86	9,771.74	PASS
8/25/2015	1D192	14	56,022.21	36,191.09	9,588.05	PASS
8/25/2015	1D193	13	56,023.94	36,310.24	9,620.01	PASS
8/25/2015	1D194	14	56,074.97	36,394.55	9,640.18	PASS

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Table 12
Cripple Creek & Victor Mining Company
Squaw Gulch Valley Leach Facility-Phase 1
(9,450' to 9,550' Bench)
Soil Liner Fill Depth Verification Summary



DATE	SAMPLE NUMBER	DEPTH (inches)	NORTHING	EASTING	ELEVATION (feet)	PASS/FAIL
8/26/2015	1D195	14	56,404.03	34,290.89	9,754.13	PASS
8/26/2015	1D196	12.5	56,438.60	34,219.67	9,776.53	PASS
8/26/2015	1D197	4	56,492.12	34,152.72	9,792.53	PASS
8/26/2015	1D198	13	56,528.79	34,077.97	9,804.47	PASS
8/26/2015	1D199	14	56,592.31	34,171.44	9,773.99	PASS
8/27/2015	1D200	14	56,653.99	34,107.30	9,772.89	PASS
8/27/2015	1D201	13	56,584.24	34,046.73	9,799.26	PASS
8/27/2015	1D202	14	56,657.33	34,063.00	9,775.77	PASS
8/28/2015	1D203	14	57,109.76	34,427.85	9,632.88	PASS
8/28/2015	1D204	14	57,246.77	34,446.66	9,643.98	PASS
8/28/2015	1D205	13	57,134.72	34,506.72	9,625.58	PASS
8/28/2015	1D206	12	57,219.32	34,563.44	9,635.22	PASS
8/28/2015	1D207	13	57,298.27	34,639.53	9,644.47	PASS
8/28/2015	1D208	12	57,279.74	34,760.33	9,641.19	PASS
8/28/2015	1D209	14	57,181.31	34,779.07	9,632.25	PASS
8/28/2015	1D210	13	57,114.78	34,704.34	9,616.01	PASS
8/31/2015	1D211	14	57,119.93	34,848.84	9,638.37	PASS
8/31/2015	1D212	13	57,042.49	34,835.10	9,622.63	PASS
8/31/2015	1D213	13	56,895.39	34,760.37	9,587.35	PASS
9/1/2015	1D214	14	56,141.71	36,374.93	9,631.46	PASS
9/1/2015	1D215	13	56,094.17	36,254.11	9,605.03	PASS
9/1/2015	1D216	14	56,035.94	36,140.46	9,579.80	PASS
9/1/2015	1D217	13	56,176.42	36,263.34	9,625.46	PASS
9/2/2015	1D218	13	56,147.61	36,139.06	9,612.90	PASS
9/2/2015	1D219	14	56,208.12	36,114.01	9,639.35	PASS
9/2/2015	1D220	13	56,105.55	36,086.67	9,591.66	PASS
9/3/2015	1D221	13	56,062.71	36,024.04	9,571.71	PASS
9/3/2015	1D222	14	56,128.52	36,035.83	9,600.77	PASS
9/3/2015	1D223	14	56,184.56	36,005.29	9,624.42	PASS
9/3/2015	1D224	13	56,118.04	35,988.56	9,591.80	PASS
9/3/2015	1D225	13	56,026.32	35,965.23	9,550.84	PASS
9/8/2015	1D226	14	56,219.74	35,899.09	9,634.30	PASS
9/8/2015	1D227	13	56,182.74	35,858.53	9,613.63	PASS
9/9/2015	1D228	14	56,092.10	35,805.29	9,565.17	PASS
9/9/2015	1D229	13	56,163.78	35,800.76	9,598.93	PASS
9/9/2015	1D230	13	56,281.34	35,746.65	9,565.32	PASS
9/9/2015	1D231	14	56,302.90	35,645.24	9,639.74	PASS
9/9/2015	1D232	13	56,191.55	35,584.60	9,578.73	PASS
9/9/2015	1D233	13	56,245.23	35,579.66	9,601.53	PASS
9/10/2015	1D234	14	56,198.97	35,469.89	9,557.35	PASS

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Cripple Creek & Victor Mining Company
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DATE	SAMPLE NUMBER	DEPTH (inches)	NORTHING	EASTING	ELEVATION (feet)	PASS/FAIL
9/10/2015	1D235	12	56,312.85	35,547.74	9,623.83	PASS
9/10/2015	1D236	14	56,389.66	35,475.96	9,638.24	PASS
9/10/2015	1D237	14	56,325.20	35,463.69	9,608.63	PASS
9/10/2015	1D238	13	56,279.12	35,385.93	9,569.35	PASS
9/11/2015	1D239	13	56,339.28	35,375.55	9,590.34	PASS
9/11/2015	1D240	14	56,444.70	35,377.21	9,631.12	PASS
9/11/2015	1D241	12.5	56,516.81	35,327.76	9,641.06	PASS
9/11/2015	1D242	14	56,428.82	35,292.38	9,598.43	PASS
9/11/2015	1D243	13	56,399.77	35,199.96	9,557.88	PASS
9/12/2015	1D244	12	55,936.10	35,590.12	9,485.93	PASS
9/12/2015	1D245	14	55,955.95	35,512.82	9,491.11	PASS
9/12/2015	1D246	13	56,060.52	35,394.63	9,506.93	PASS
9/12/2015	1D247	14	56,201.27	35,256.34	9,525.92	PASS
9/15/2015	1D248	14	56,392.49	35,109.45	9,548.49	PASS
9/15/2015	1D249	13	56,525.47	35,146.15	9,578.45	PASS
9/15/2015	1D250	13	56,610.36	35,205.00	9,625.00	PASS
9/15/2015	1D251	13	56,729.61	35,154.64	9,640.84	PASS
9/15/2015	1D252	12	56,670.35	35,120.70	9,609.21	PASS
9/15/2015	1D253	14	56,586.06	35,016.81	9,564.61	PASS

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