

Appendix J

Secondary (100-mil LLDPE SSMS) Geomembrane Installation Observations

Appendix J.1 – Secondary Geomembrane Panel Deployment Summary

Appendix J.2 - Secondary Geomembrane Fusion & Extrusion Trial Seam Summary

Appendix J.3 - Secondary Geomembrane Fusion & Extrusion Welding Summary

Appendix J.4 - Secondary Geomembrane Defect/Repair Summary

Appendix J.5 - Secondary Geomembrane Fusion & Extrusion Destructive Testing Summary

Appendix J.6 - Secondary Geomembrane Non-Destructive Testing Summary

Appendix J.7 - Secondary Geomembrane Acceptance Notifications

Appendix J.1
Secondary Geomembrane
Deployment Summary

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Panel Deployment Summary**



PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-1	75055	6/9/2014	63	100	BM	X		6	318	22.5	6,390	6,390
S-2	77083	6/10/2014	60	100	DB	X		6	317	22.5	6,294	12,684
S-3	77087	6/10/2014	60	105	DB	X		6	317	22.5	6,210	18,894
S-4	77085	6/10/2014	62	100	DB	X		6	317	22.5	6,389	25,284
S-5	77082	6/10/2014	63	104	DB	X		6	317	22.5	6,382	31,666
S-6	76080	6/10/2014	63	100	DB	X		6	318	22.5	6,488	38,154
S-7	74051	6/10/2014	64	104	DB	X		6	318	22.5	6,362	44,516
S-8	74044	6/10/2014	60	103	BM	X		6	315	22.5	6,543	51,059
S-9	77090	6/10/2014	67	101	BM	X		6	315	22.5	6,489	57,548
S-10	74045	6/10/2014	67	100	BM	X		6	318	22.5	6,338	63,886
S-11	74053	6/10/2014	67	101	BM	X		6	322	22.5	6,188	70,074
S-12	75064	6/12/2014	58	100	AF	X		6	71	22.5	1,433	71,507
S-13	75064	6/12/2014	58	100	AF	X		6	71	22.5	1,493	73,001
S-14	75064	6/12/2014	58	100	AF	X		6	77	22.5	1,594	74,594
S-15	75064	6/12/2014	58	100	AF	X		6	57	22.5	1,152	75,747
S-16	77086	6/12/2014	59	100	AF	X		6	22.5	22.5	516	76,263
S-17	77086	6/12/2014	59	100	AF	X		6	85	22.5	1,823	78,086
S-18	77086	6/12/2014	59	100	AF	X		6	68.5	22.5	1,335	79,421
S-19	77086	6/12/2014	59	100	AF	X		6	38	22.5	366	79,787
S-20	77086	6/12/2014	60	100	AF	X		6	92.5	22.5	1,560	81,347
S-21	77086	6/12/2014	60	100	AF	X		6	37.5	22.5	372	81,719
S-22	72016	6/12/2014	60	100	AF	X		6	75	22.5	1,527	83,245
S-23	72016	6/13/2014	51	100	AF	X		6	74	22.5	1,527	84,772
S-24	72016	6/13/2014	54	100	AF	X		6	74	22.5	1,499	86,271
S-25	72016	6/13/2014	55	100	AF	X		6	75	22.5	1,479	87,751
S-26	72015	6/13/2014	62	101	AF	X		6	73	22.5	1,484	89,235
S-27	72015	6/13/2014	63	101	AF	X		6	72	22.5	1,508	90,742
S-28	72015	6/13/2014	64	100	AF	X		6	72	22.5	1,502	92,244
S-29	72015	6/13/2014	65	100	AF	X		6	37.5	22.5	726	92,970

Notes:
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								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-30	72014	6/13/2014	73	100	AF	X		6	72	22.5	1,427	94,397
S-31	72014	6/13/2014	73	102	AF	X		6	72	22.5	1,416	95,812
S-32	72014	6/13/2014	72	101	AF	X		6	31	22.5	609	96,422
S-33	72014	6/13/2014	73	100	AF	X		6	34	21	668	97,090
S-34	72014	6/13/2014	73	100	AF	X		6	34	21.5	697	97,787
S-35	72014	6/13/2014	73	100	AF	X		6	33.5	21	689	98,476
S-36	71011	6/13/2014	72	100	AF	X		6	187	22	670	99,146
S-37	71011	6/13/2014	73	101	AF	X		6	32.5	21	592	99,738
S-38	72015	6/13/2014	73	100	AF	X		6	31.5	22	635	100,373
S-39	71011	6/13/2014	73	101	AF	X		6	71	22.5	1,489	101,862
S-40	61008	6/14/2014	72	100	AF	X		6	291	22.5	5,682	107,544
S-41	74054	6/14/2014	73	103	AF	X		6	327	22.5	4,815	112,359
S-42	61007	6/16/2014	57	101	CS	X		6	177	22.5	3,603	115,962
S-43	61007	6/16/2014	60	102	CS	X		6	125	22.5	2,385	118,346
S-44	74054	6/16/2014	62	103	CS	X		6	71	22.5	1,130	119,476
S-45	74054	6/16/2014	63	101	CS	X		6	34.5	22.5	269	119,745
S-46	66087	6/16/2014	63	100	CS	X		6	106	22.5	2,475	122,220
S-47	66087	6/16/2014	64	105	CS	X		6	135	22.5	2,832	125,052
S-48	66087	6/16/2014	64	108	CS	X		6	54	22.5	532	125,584
S-49	72027	6/16/2014	64	106	CS	X		6	216.5	22.5	5,223	130,806
S-50	72027	6/16/2014	66	105	CS	X		6	39	22.5	906	131,712
S-51	74054	6/16/2014	66	104	CS	X		6	22	22.5	516	132,228
S-52	66087	6/16/2014	66	102	CS	X		6	40	22.5	783	133,011
S-53	72023	6/16/2014	66	105	CS	X		6	29	22.5	607	133,618
S-54	71011	6/16/2014	67	106	CS	X		6	143	22.5	3,110	136,729
S-55	72023	6/16/2014	67	108	CS	X		6	280	22.5	6,033	142,761
S-56	72022	6/16/2014	67	105	CS	X		6	297	22.5	6,267	149,028
S-57	72017	6/16/2014	67	102	CS	X		6	317	22.5	7,442	156,470
S-58	81012	6/16/2014	67	101	CS	X		6	319	22.5	6,940	163,410

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								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-59	82016	6/16/2014	67	100	CS	X		6	319	22.5	6,775	170,185
S-60	72027	6/16/2014	67	100	CS	X		6	43	21.5	495	170,679
S-61	81010	6/18/2014	62	105	CS	X		6	309	22.5	6,139	176,818
S-62	81011	6/18/2014	62	103	CS	X		6	253.5	22.5	5,640	182,458
S-63	82015	6/18/2014	62	108	CS	X		6	64.3	22.5	1,541	183,999
S-64	81011	6/18/2014	62	105	CS	X		6	50	22.5	1,130	185,128
S-65	81001	6/18/2014	62	103	CS	X		6	226.5	22.5	4,619	189,747
S-66	81001	6/18/2014	62	104	CS	X		6	153	22.5	1,508	191,256
S-67	81009	6/18/2014	62	101	CS	X		6	226	22.5	4,456	195,711
S-68	81009	6/18/2014	62	103	CS	X		6	152	22.5	1,457	197,169
S-69	82017	6/18/2014	62	102	CS	X		6	302	22.5	6,877	204,045
S-70	77095	6/18/2014	62	105	CS	X		6	323	22.5	6,726	210,771
S-71	82018	6/18/2014	72	100	CS	X		6	308	22.5	6,506	217,278
S-72	82020	6/18/2014	73	100	CS	X		6	321.5	22.5	4,735	222,012
S-73	82020	6/19/2014	56	106	AF	X		6	78	22.5	1,298	223,311
S-74	81002	6/19/2014	56	108	AF	X		6	283.5	22.5	5,781	229,092
S-75	77094	6/19/2014	58	104	AF	X		6	229	22.5	4,281	233,373
S-76	77094	6/19/2014	58	100	AF	X		6	93	22.5	802	234,175
S-77	81003	6/19/2014	63	100	AF	X		6	198.5	22.5	4,187	238,362
S-78	81003	6/19/2014	63	102	AF	X		6	51	22.5	2,458	240,820
S-79	82015	6/19/2014	63	104	AF	X		6	121	22.5	1,124	241,944
S-80	82015	6/19/2014	63	108	AF	X		6	147	22.5	3,139	245,083
S-81	77093	6/19/2014	64	108	AF	X		6	37.5	22.5	760	245,843
S-82	77093	6/19/2014	64	108	AF	X		6	84.5	22.5	1,811	247,654
S-83	77094	6/19/2014	64	106	AF	X		6	46	22.5	1,039	248,693
S-84	77093	6/19/2014	65	106	AF	X		6	45	22.5	994	249,687
S-85	77093	6/19/2014	65	104	AF	X		6	61	22.5	1,473	251,160
S-86	81002	6/19/2014	65	106	AF	X		6	28.5	22.5	653	251,813
S-87	77813	6/19/2014	66	108	AF	X		6	11.5	22.5	238	252,051

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								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-88	77093	6/19/2014	66	106	AF	X		6	68	22.5	1,416	253,466
S-89	76072	6/19/2014	66	105	AF	X		6	74.5	22.5	1,574	255,040
S-90	76072	6/19/2014	66	104	AF	X		6	94.5	22.5	1,416	256,456
S-91	76072	6/20/2014	59	108	AF	X		6	126.25	22.5	2,303	258,759
S-92	81006	6/20/2014	59	104	AF	X		6	152.25	22.5	3,047	261,806
S-93	81006	6/20/2014	60	106	AF	X		6	13.25	22.5	138	261,944
S-94	81006	6/20/2014	61	102	AF	X		6	146	22.5	2,991	264,935
S-95	81008	6/20/2014	62	106	AF	X		6	33	22.5	606	265,541
S-96	81008	6/20/2014	68	103	AF	X		6	201.5	22.5	4,246	269,786
S-97	81005	6/20/2014	68	104	AF	X		6	228.5	22.5	4,738	274,524
S-98	81005	6/20/2014	68	106	AF	X		6	15	22.5	273	274,797
S-99	81007	6/20/2014	69	108	AF	X		6	240	22.5	4,843	279,640
S-100	76071	6/20/2014	69	102	DB	X		6	292.87	22.5	5,857	285,497
S-101	76071	6/20/2014	69	102	DB	X		6	23	22.5	510	286,006
S-102	76079	6/20/2014	70	103	DB	X		6	289.8	22.5	5,922	291,929
S-103	77089	6/20/2014	70	105	DB	X		6	318.96	22.5	6,532	298,461
S-104	71009	6/20/2014	70	104	DB	X		6	316	22.5	6,350	304,811
S-105	72019	6/20/2014	70	101	DB	X		6	316	22.5	6,528	311,339
S-106	71010	6/21/2014	63	106	AF	X		6	310.5	22.5	6,004	317,342
S-107	66081	6/21/2014	63	104	AF	X		6	293	22.5	5,522	322,865
S-108	66081	6/21/2014	63	104	AF	X		6	10	22.5	327	323,191
S-109	73031	6/21/2014	65	100	AF	X		6	255.5	22.5	5,506	328,697
S-110	73029	6/21/2014	66	102	AF	X		6	218	22.5	4,492	333,189
S-111	66079	6/21/2014	66	100	AF	X		6	178.5	22.5	3,614	336,803
S-112	71013	6/21/2014	66	100	AF	X		6	138	22.5	2,880	339,683
S-113	71013	6/21/2014	68	104	AF	X		6	100.5	22.5	2,051	341,733
S-114	66085	6/21/2014	68	102	AF	X		6	66.5	22.5	1,345	343,078
S-115	71013	6/21/2014	69	100	AF	X		6	25.5	22.5	659	343,737
S-116	66085	6/21/2014	69	100	AF	X		6	2.25	3.5	6	343,743

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Squaw Gulch VLF Process Solution Storage Area
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								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-117	66085	6/21/2014	70	100	AF	X		6	10	16.5	144	343,887
S-118	66085	6/21/2014	69	100	AF	X		6	30	22.5	637	344,524
S-119	66085	6/23/2014	55	100	CS	X		6	55.5	22.5	1,149	345,673
S-120	66085	6/23/2014	55	100	CS	X		6	80	22.5	1,649	347,323
S-121	81013	6/23/2014	57	100	CS	X		6	106.5	22.5	2,178	349,501
S-122	81013	6/23/2014	57	100	CS	X		6	135	22.5	2,752	352,253
S-123	82014	6/23/2014	57	100	CS	X		6	161	22.5	2,178	354,431
S-124	82026	6/23/2014	61	100	CS	X		6	185	22.5	3,745	358,176
S-125	82019	6/23/2014	61	100	CS	X		6	214.5	22.5	4,308	362,484
S-126	72621	6/23/2014	61	100	CS	X		6	239.5	22.5	4,844	367,328
S-127	72020	6/23/2014	61	100	CS	X		6	261.5	22.5	5,433	372,761
S-128	76070	6/23/2014	61	100	CS	X		6	286	22.5	5,569	378,330
S-129	76078	6/23/2014	61	100	CS	X		6	307.5	22.5	6,301	384,631
S-130	76069	6/23/2014	61	100	CS	X		6	318	22.5	6,157	390,788
S-131	74046	6/25/2014	65	100	CS	X		6	319	22.5	6,531	397,319
S-132	61009	6/25/2014	66	100	CS	X		6	320	22.5	6,564	403,883
S-133	74050	6/25/2014	68	100	CS	X		6	319	22.5	6,402	410,286
S-134	76077	6/25/2014	66	100	CS	X		6	235	22.5	4,865	415,151
S-135	76077	6/25/2014	66	100	CS	X		6	76.5	22.5	1,440	416,591
S-136	70673	6/25/2014	70	100	CS	X		6	320	22.5	6,584	423,175
S-137	75061	6/25/2014	70	100	CS	X		6	320.5	22.5	6,422	429,598
S-138	75063	6/25/2014	74	100	CS	X		6	250	22.5	4,646	434,243
S-139	75063	6/26/2014	77	100	AF	X		6	76	22.5	1,381	435,625
S-140	81004	6/26/2014	77	100	AF	X		6	318.5	22.5	6,550	442,175
S-141	77092	6/26/2014	77	100	AF	X		6	318.5	22.5	6,396	448,571
S-142	75062	6/26/2014	77	100	AF	X		6	319	22.5	6,517	455,087
S-143	74047	6/26/2014	76	100	AF	X		6	317.5	22.5	6,480	461,568
S-144	75065	6/26/2014	76	100	AF	X		6	317.5	22.5	6,458	468,026
S-145	74048	6/26/2014	76	100	AF	X		6	317	22.5	6,340	474,366

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								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-146	82023	6/27/2014	56	100	CS	X		6	301	22.5	6,281	480,647
S-147	76075	6/27/2014	56	100	CS	X		6	317	22.5	6,462	487,109
S-148	82027	6/27/2014	56	100	CS	X		6	316	22.5	6,602	493,712
S-149	76076	6/27/2014	58	100	CS	X		6	315	22.5	6,502	500,214
S-150	83029	6/27/2014	58	100	CS	X		6	317	22.5	6,463	506,677
S-151	81005	6/27/2014	63	100	CS	X		6	24	22.5	551	507,228
S-152	66080	6/27/2014	63	100	CS	X		6	149	22.5	3,212	510,440
S-153	66080	6/27/2014	63	100	CS	X		6	160	22.5	3,512	513,952
S-154	66079	6/27/2014	64	100	CS	X		6	119	22.5	2,490	516,442
S-155	81005	6/27/2014	64	100	CS	X		6	36	22.5	710	517,152
S-156	82019	6/27/2014	69	100	CS	X		6	71	22.5	1,523	518,675
S-157	82017	6/27/2014	69	100	CS	X		6	24	22.5	506	519,181
S-158	66080	6/27/2014	69	100	CS	X		6	18	22.5	360	519,541
S-159	82023	6/27/2014	68	100	CS	X		6	7.5	15.5	114	519,655
S-160	81007	6/27/2014	68	100	CS	X		6	32	22.5	595	520,249
S-161	81007	6/27/2014	68	100	CS	X		6	25	22.5	540	520,789
S-162	73029	6/27/2014	68	100	CS	X		6	18	7.5	118	520,907
S-163	82023	6/27/2014	68	100	CS	X		6	4.5	5.5	27	520,934
S-164	75059	6/28/2014	52	100	CS	X		6	317	22.5	6,527	527,461
S-165	75058	6/28/2014	52	100	CS	X		6	317.5	22.5	6,458	533,920
S-166	75060	6/28/2014	57	100	CS	X		6	316.5	22.5	6,452	540,371
S-167	75056	6/28/2014	57	100	CS	X		6	317	22.5	6,653	547,025
S-168	74049	6/28/2014	59	100	CS	X		6	317.5	22.5	6,439	553,463
S-169	75067	6/28/2014	59	100	CS	X		6	317.5	22.5	6,448	559,911
S-170	71001	6/28/2014	59	100	CS	X		6	319	22.5	6,510	566,422
S-171	67104	6/28/2014	59	100	CS	X		6	321	22.5	6,526	572,948
S-172	75066	6/30/2014	68	100	AF	X		6	317	22.5	6,488	579,436
S-173	67102	6/30/2014	68	100	AF	X		6	318	22.5	6,562	585,998
S-174	71002	6/30/2014	68	100	AF	X		6	318	22.5	6,397	592,394

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Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Panel Deployment Summary**



PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-175	82021	6/30/2014	68	100	AF	X		6	321	22.5	7,246	599,641
S-176	82014	6/30/2014	68	100	AF	X		6	141.5	22.5	3,133	602,774
S-177	82026	6/30/2014	68	100	AF	X		6	122.5	22.5	2,718	605,492
S-178	81013	6/30/2014	70	100	AF	X		6	39	22.5	877	606,368
S-179	72020	6/30/2014	70	100	AF	X		6	42	22.5	965	607,333
S-180	72021	6/30/2014	70	100	AF	X		6	16.75	22.5	449	607,783
S-181	72021	6/30/2014	70	100	AF	X		6	8.5	22.5	84	607,867
S-182	83030	6/30/2014	70	100	AF	X		6	323	22.5	7,091	614,958
S-183	81008	6/30/2014	70	100	AF	X		6	29.5	22.5	1,701	616,660
S-184	73029	7/2/2014	70	100	AF	X		6	50	22.5	1,733	618,393
S-185	76074	7/2/2014	70	100	AF	X		6	320	22.5	7,260	625,653
S-186	83028	7/2/2014	70	100	AF	X		6	317	22.5	6,452	632,104
S-187	82022	7/2/2014	70	100	AF	X		6	317	22.5	6,540	638,644
S-188	82024	7/2/2014	70	100	AF	X		6	317.5	22.5	6,478	645,122
S-189	67095	7/2/2014	70	100	AF	X		6	317.5	22.5	6,463	651,585
S-190	67099	7/2/2014	70	100	AF	X		6	317.5	22.5	6,557	658,142
S-191	73037	7/2/2014	70	100	AF	X		6	317	22.5	6,730	664,872
S-192	74041	7/2/2014	70	100	AF	X		6	317.5	22.5	6,620	671,491
S-193	73039	7/2/2014	70	100	AF	X		6	318	22.5	6,323	677,814
S-194	74052	7/2/2014	70	100	AF	X		6	102.5	22.5	2,225	680,040
S-195	74052	7/2/2014	70	100	AF	X		6	106	22.5	2,301	682,341
S-196	67105	7/2/2014	70	100	AF	X		6	319.5	22.5	6,589	688,930
S-197	67103	7/2/2014	70	102	AF	X		6	318	22.5	6,584	695,514
S-198	75057	7/2/2014	70	100	AF	X		6	315	22.5	6,484	701,998
S-199	73035	7/2/2014	70	102	AF	X		6	313	22.5	6,455	708,453
S-200	74042	7/3/2014	70	100	AF	X		6	58	22.5	1,143	709,596
S-201	74042	7/3/2014	70	100	AF	X		6	101	22.5	2,250	711,846
S-202	74042	7/3/2014	70	102	AF	X		6	129	22.5	2,933	714,779
S-203	72021	7/3/2014	70	100	AF	X		6	40	22.5	879	715,658

Notes:
* Liner Panel was deployed in intervals

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Panel Deployment Summary**



PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-204	75068	7/3/2014	70	100	AF	X		6	150	22.5	3,490	719,148
S-205	82025	7/10/2014	70	100	CS	X		6	318.5	22.5	6,606	725,754
S-206	72024	7/10/2014	68	100	CS	X		6	317.5	22.5	6,565	732,320
S-207	71012	7/10/2014	70	100	CS	X		6	317	22.5	6,632	738,952
S-208	77088	7/10/2014	68	100	CS	X		6	318	22.5	6,613	745,565
S-209	77084	7/10/2014	68	100	CS	X		6	317.5	22.5	6,421	751,985
S-210	77091	7/10/2014	68	100	CS	X		6	319.5	22.5	6,635	758,620
S-211	76081	7/10/2014	70	100	CS	X		6	315.5	22.5	6,555	765,175
S-212*	66086	7/10/2014	70	100	CS	X		6	318	22.5	6,648	771,822
S-212*	66086	8/16/2014	74	102	AT	X		6	13	22.5		
S-213	71007	7/11/2014	68	100	CS	X		6	299	22.5	6,219	778,041
S-214	71008	7/11/2014	68	100	CS	X		6	295	22.5	6,274	784,315
S-215*	73030	7/11/2014	71	100	CS	X		6	59	22.5	6,624	790,940
S-215*	73030	8/18/2014	70	100	AT	X		6	28.5	22.5		
S-216	73028	7/11/2014	71	100	CS	X		6	282.5	22.5	5,939	796,878
S-217*	72025	7/11/2014	71	100	CS	X		6	276	22.5	6,740	803,618
S-217*	72025	8/18/2014	70	100	AT	X		6	43.5	22.5		
S-218	66083	7/11/2014	71	100	CS	X		6	266.5	22.5	5,657	809,275
S-219*	66082	7/11/2014	71	100	CS	X		6	266	22.5	6,510	815,785
S-219*	66082	8/18/2014	71	101	AT	X		6	60	22.5		
S-220	73032	7/22/2014	78	100	AT	X		6	108	22.5	2,421	818,206
S-221	73032	7/22/2014	79	100	AT	X		6	111	22.5	2,495	820,701
S-222	73032	7/22/2014	80	100	AT	X		6	89	22.5	2,007	822,708
S-223	67101	7/22/2014	80	100	AT	X		6	26	22.5	574	823,282
S-224	67101	7/22/2014	80	100	AT	X		6	118	22.5	2,707	825,989
S-225	67101	7/24/2014	63	100	AT	X		6	127	22.5	2,707	828,696
S-226	75068	7/24/2014	63	100	AT	X		6	128	22.5	2,658	831,355
S-227	73036	7/24/2014	65	100	AT	X		6	131	22.5	2,817	834,172
S-228	73036	7/24/2014	65	100	AT	X		6	136	22.5	2,889	837,061

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**Cripple Creek & Victor Gold Mining Company
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Secondary Geomembrane Panel Deployment Summary**



PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-229	73036	7/24/2014	68	100	AT	X		6	57	22.5	1,206	838,267
S-230	67101	7/24/2014	68	100	AT	X		6	51	22.5	911	839,178
S-231	73031	7/24/2014	74	100	AT	X		6	40	22.5	846	840,024
S-232	76079	7/24/2014	74	100	AT	X		6	18	22.5	304	840,328
S-233*	76079	7/24/2014	76	100	AT	X		6	8	22.5	439	840,767
S-233*	76079	8/16/2014	76	100	AT	X		6	17	22.5		
S-234	61003	7/26/2014	82	100	DB	X		6	235	22.5	4,396	845,163
S-235	61003	7/26/2014	78	100	DB	X		6	153	21	1,514	846,677
S-236	57082	7/26/2014	78	100	DB	X		6	317	22.5	6,621	853,298
S-237	57087	7/26/2014	76	100	DB	X		6	317	22.5	6,547	859,845
S-238	61001	7/26/2014	76	100	DB	X		6	319	22.5	6,618	866,464
S-239	76079	7/26/2014	75	100	DB	X		6	43.5	12.75	484	866,947
S-240	67098	7/27/2014	67	100	DB	X		6	315	22.5	6,480	873,427
S-241	67093	7/27/2014	67	100	DB	X		6	316	22.5	6,617	880,044
S-242	73034	7/27/2014	71	100	DB	X		6	317	22.5	6,469	886,514
S-243	71003	7/27/2014	71	100	DB	X		6	307.5	22.5	6,397	892,911
S-244*	57083	7/27/2014	72	100	DB	X		6	193	22.5	5,297	898,208
S-244*	57083	8/13/2014	77	100	AF	X		6	61	22.5		
S-245*	57086	7/27/2014	72	100	DB	X		6	191.5	22.5	6,518	904,726
S-245*	57086	8/13/2014	77	100	AF	X		6	60	22.5		
S-245*	57086	8/19/2014	76	100	AF	X		6	65	22.5		
S-246*	57085	7/27/2014	74	100	DB	X		6	179	22.5	6,767	911,494
S-246*	57085	8/13/2014	77	100	AF	X		6	59.5	22.5		
S-246*	57085	8/19/2014	76	101	AF	X		6	82.5	22.5		
S-247*	72026	7/27/2014	74	100	DB	X		6	170.5	22.5	5,379	916,873
S-247*	72026	8/13/2014	76	100	AF	X		6	58.5	22.5		
S-247*	72026	8/19/2014	76	100	AF	X		6	24	22.5		
S-248	66090	8/9/2014	71	102	AF	X		6	281.5	22.5	5,751	922,624
S-249	57088	8/9/2014	71	101	AF	X		6	254	22.5	5,341	927,965

Notes:

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Panel Deployment Summary**



PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER- LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-250	67092	8/9/2014	74	100	AF	X		6	225	22.5	4,659	932,624
S-251	61002	8/9/2014	74	101	AF	X		6	197	22.5	4,052	936,676
S-252	74043	8/9/2014	76	102	AF	X		6	170	22.5	3,538	940,214
S-253	74043	8/9/2014	74	102	AF	X		6	141	22.5	3,005	943,219
S-254	61002	8/9/2014	74	101	AF	X		6	114	22.5	2,391	945,610
S-255	67092	8/9/2014	70	100	AF	X		6	87	22.5	1,838	947,448
S-256	57088	8/9/2014	70	101	AF	X		6	58	22.5	1,225	948,673
S-257	66090	8/9/2014	69	102	AF	X		6	42	22.5	438	949,110
S-258	67096	8/9/2014	69	103	AF	X		6	22	22.5	164	949,275
S-259	67096	8/9/2014	65	103	AF	X		6	38	22.5	774	950,049
S-260	67096	8/9/2014	65	103	AF	X		6	60	22.5	1,285	951,334
S-261	67096	8/9/2014	64	103	AF	X		6	80	22.5	1,664	952,998
S-262	67096	8/9/2014	64	103	AF	X		6	81	22.5	1,642	954,640
S-263	66091	8/9/2014	64	103	AF	X		6	20	22.5	377	955,017
S-264	66091	8/10/2014	63	102	AF	X		6	106	22.5	2,488	957,504
S-265	66091	8/10/2014	63	102	AF	X		6	139.5	22.5	2,980	960,484
S-266	67097	8/10/2014	64	101	AF	X		6	139.5	22.5	2,795	963,279
S-267	66091	8/10/2014	64	102	AF	X		6	19	22.5	365	963,644
S-268	67097	8/10/2014	64	100	AF	X		6	169	22.5	3,583	967,227

Notes:
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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Panel Deployment Summary**



PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-269	73038	8/10/2014	65	101	AF	X		6	10.5	22.5	218	967,445
S-270	73038	8/10/2014	65	103	AF	X		6	200	22.5	4,166	971,611
S-271	73038	8/10/2014	65	100	AF	X		6	100.5	22.5	2,071	973,682
S-272	71004	8/10/2014	66	101	AF	X		6	122.5	22.5	2,658	976,340
S-273	56072	8/10/2014	71	100	AF	X		6	221	22.5	4,545	980,885
S-274	71004	8/10/2014	72	103	AF	X		6	21.5	22.5	473	981,357
S-275	57080	8/10/2014	65	104	AF	X		6	258	22.5	5,386	986,743
S-276*	66084	8/13/2014	76	100	AF	X		6	224.5	22.5	6,764	993,507
S-276*	66084	8/19/2014	70	100	AF	X		6	95.5	22.5		
S-277*	57077	8/13/2014	77	100	AF	X		6	219.5	22.5	4,595	998,101
S-277*	57077	8/19/2014	70	100	AF	X		6	103	22.5		
S-278*	57081	8/13/2014	77	101	AF	X		6	214.5	22.5	6,582	1,004,684
S-278*	57081	8/19/2014	70	100	AF	X		6	103	22.5		
S-279*	66088	8/13/2014	77	100	AF	X		6	210	22.5	6,401	1,011,084
S-279*	66088	8/21/2014	63	100	CS	X		6	98	22.5		
S-280*	67094	8/13/2014	78	101	AF	X		6	204	22.5	6,628	1,017,713
S-280*	67094	8/21/2014	63	100	CS	X		6	116	22.5		
S-281*	73033	8/13/2014	78	100	AF	X		6	198	22.5	5,699	1,023,412
S-281*	73033	8/21/2014	65	100	CS	X		6	77	22.5		
S-282*	66089	8/13/2014	77	100	AF	X		6	193	22.5	6,685	1,030,097
S-282*	66089	8/21/2014	65	100	CS	X		6	133	22.5		
S-283*	61006	8/13/2014	76	100	AF	X		6	187.5	22.5	5,628	1,035,725
S-283*	61006	8/21/2014	65	100	CS	X		6	81.5	22.5		
S-284*	57094	8/14/2014	75	100	CS	X		6	179.5	22.5	6,787	1,042,512
S-284*	57094	8/21/2014	65	100	CS	X		6	142.5	22.5		
S-285*	71005	8/14/2014	75	100	CS	X		6	174	22.5	6,120	1,048,632
S-285*	71005	8/21/2014	66	100	CS	X		6	117.5	22.5		
S-286*	55053	8/14/2014	75	102	CS	X		6	169	22.5	6,738	1,055,370
S-286*	55053	8/21/2014	67	100	CS	X		6	152.5	22.5		

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Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Panel Deployment Summary**



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								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-287*	57078	8/14/2014	72	100	CS	X		6	159	22.5	5,824	1,061,194
S-287*	57078	8/21/2014	67	100	CS	X		6	118	22.5		
S-288*	55055	8/14/2014	72	100	CS	X		6	154	22.5	6,781	1,067,974
S-288*	55055	8/21/2014	68	100	CS	X		6	175	22.5		
S-289*	56075	8/14/2014	72	100	CS	X		6	149	22.5	6,375	1,074,349
S-289*	56075	8/21/2014	68	100	CS	X		6	175.5	22.5		
S-290*	56074	8/14/2014	69	101	CS	X		6	142.5	22.5	6,717	1,081,066
S-290*	56074	8/21/2014	69	100	CS	X		6	177	22.5		
S-291*	56070	8/14/2014	69	100	CS	X		6	137	22.5	6,283	1,087,349
S-291*	56070	8/21/2014	71	100	CS	X		6	167	22.5		
S-292*	57076	8/14/2014	69	100	CS	X		6	130	22.5	6,576	1,093,925
S-292*	57076	8/24/2014	54	102	AT	X		6	187	22.5		
S-293*	56073	8/14/2014	69	103	CS	X		6	121.5	22.5	6,439	1,100,364
S-293*	56073	8/24/2014	54	102	AT	X		6	185.5	22.5		
S-294*	54048	8/14/2014	68	100	CS	X		6	115	22.5	6,577	1,106,941
S-294*	54048	8/24/2014	58	103	AT	X		6	204	22.5		
S-295*	55056	8/14/2014	68	100	CS	X		6	109.5	22.5	6,457	1,113,398
S-295*	55056	8/27/2014	58	100	CS	X		6	194	22.5		
S-296*	55052	8/14/2014	67	100	CS	X		6	103.5	22.5	6,708	1,120,106
S-296*	55052	8/27/2014	61	100	CS	X		6	216.5	22.5		
S-297*	54046	8/14/2014	67	102	CS	X		6	98	22.5	6,502	1,126,608
S-297*	54046	8/27/2014	61	100	CS	X		6	209.5	22.5		
S-298*	71004	8/14/2014	66	100	CS	X		6	92.5	22.5	3,581	1,130,188
S-298*	71004	8/27/2014	66	100	CS	X		6	78	22.5		
S-299*	56067	8/14/2014	66	100	CS	X		6	207.5	22.5	6,184	1,136,372
S-299*	56067	8/27/2014	66	100	CS	X		6	177	22.5		
S-300	56072	8/14/2014	65	100	CS	X		6	81	22.5	1,855	1,138,227
S-301*	73040	8/14/2014	65	100	CS	X		6	38.5	19	4,445	1,142,672
S-301*	73040	8/27/2014	65	100	CS	X		6	193	22.5		

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PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-302	56071	8/16/2014	72	101	AT	X		6	127	22.5	2,712	1,145,384
S-303	76079	8/16/2014	72	101	AT	X		6	123	22.5	2,553	1,147,937
S-304	56071	8/16/2014	72	102	AT	X		6	149	22.5	3,342	1,151,279
S-305	65005	8/16/2014	73	101	AT	X		6	156.5	22.5	3,295	1,154,574
S-306	65005	8/16/2014	73	100	AT	X		6	165	22.5	3,320	1,157,894
S-307	57079	8/18/2014	68	101	AT	X		6	162	22.5	3,478	1,161,371
S-308	71008	8/18/2014	68	102	AT	X		6	12	22.5	264	1,161,636
S-309	67100	8/18/2014	68	101	AT	X		6	182	22.5	4,000	1,165,636
S-310	67100	8/18/2014	69	101	AT	X		6	135.5	22.5	2,937	1,168,573
S-311	73028	8/18/2014	69	100	AT	X		6	27.5	22.5	621	1,169,194
S-312	71006	8/18/2014	70	102	AT	X		6	203.5	22.5	4,412	1,173,606
S-313	71006	8/18/2014	70	102	AT	X		6	115	22.5	2,537	1,176,143
S-314	55049	8/18/2014	70	100	AT	X		6	54	22.5	1,177	1,177,320
S-315	55049	8/18/2014	72	100	AT	X		6	220.5	22.5	4,847	1,182,167
S-316	55049	8/18/2014	72	101	AT	X		6	42	22.5	956	1,183,122
S-317	66083	8/18/2014	72	102	AT	X		6	44	22.5	971	1,184,093
S-318	55050	8/18/2014	72	100	AT	X		6	85	22.5	1,776	1,185,869
S-319	55050	8/19/2014	63	100	AF	X		6	241.5	22.5	4,962	1,190,830
S-320	57086	8/19/2014	65	100	AF	X		6	10.5	22.5	202	1,191,032
S-321	55057	8/19/2014	65	101	AF	X		6	188.5	22.5	4,106	1,195,138
S-322	55057	8/19/2014	68	101	AF	X		6	124	22.5	2,749	1,197,887
S-323	72026	8/19/2014	70	100	AF	X		6	60	22.5	1,343	1,199,230
S-324	55054	8/19/2014	70	100	AF	X		6	251	22.5	5,361	1,204,591
S-325	55054	8/19/2014	70	100	AF	X		6	66.5	22.5	1,485	1,206,075
S-326	55065	8/19/2014	71	102	AF	X		6	116.5	22.5	2,471	1,208,546
S-327	55065	8/19/2014	71	102	AF	X		6	209	22.5	4,273	1,212,819
S-328	57077	8/19/2014	71	100	AF	X		6	72	22.5	1,568	1,214,387
S-329	54047	8/19/2014	69	100	AF	X		6	184	22.5	3,537	1,217,924
S-330	57083	8/21/2014	57	100	CS	X		6	30	22.5	627	1,218,551

Notes:
* Liner Panel was deployed in intervals

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Panel Deployment Summary**



PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-331	54047	8/21/2014	57	100	CS	X		6	149	22.5	3,081	1,221,631
S-332	54041	8/21/2014	59	100	CS	X		6	163.5	22.5	3,459	1,225,090
S-333	73033	8/21/2014	61	100	CS	X		6	45.5	22.5	984	1,226,074
S-334	54041	8/21/2014	66	100	CS	X		6	158	22.5	3,295	1,229,369
S-335	54042	8/21/2014	66	100	CS	X		6	125	22.5	2,682	1,232,052
S-336	57083	8/21/2014	65	100	CS	X		6	25	22.5	539	1,232,591
S-337	54042	8/21/2014	67	100	CS	X		6	194.5	22.5	4,125	1,236,716
S-338	55059	8/21/2014	69	100	CS	X		6	103	22.5	2,212	1,238,928
S-339	61006	8/21/2014	69	100	CS	X		6	30	22.5	679	1,239,606
S-340	55059	8/21/2014	70	100	CS	X		6	158.5	22.5	3,367	1,242,973
S-341	55059	8/21/2014	70	100	CS	X		6	58	22.5	1,228	1,244,201
S-342	71005	8/21/2014	68	100	CS	X		6	27.5	22.5	604	1,244,806
S-343	56069	8/21/2014	68	100	CS	X		6	39.5	22.5	857	1,245,663
S-344	56069	8/21/2014	67	100	CS	X		6	162	22.5	3,428	1,249,091
S-345	56069	8/21/2014	67	100	CS	X		6	119	22.5	2,563	1,251,654
S-346	57078	8/21/2014	66	100	CS	X		6	40	22.5	877	1,252,531
S-347	55060	8/21/2014	66	100	CS	X		6	78	22.5	1,876	1,254,407
S-348	55060	8/21/2014	63	100	CS	X		6	116.5	22.5	2,514	1,256,922
S-349	53034	8/21/2014	63	100	CS	X		6	21	22.5	504	1,257,426
S-350	55060	8/21/2014	63	100	CS	X		6	96	22.5	2,265	1,259,691
S-351	53034	8/24/2014	54	101	AT	X		6	118.5	22.5	2,429	1,262,120
S-352	53034	8/24/2014	54	101	AT	X		6	130.5	21	2,617	1,264,737
S-353	53034	8/24/2014	54	101	AT	X		6	38	22.5	961	1,265,698
S-354	56068	8/24/2014	55	100	AT	X		6	80.5	22.5	1,598	1,267,296
S-355	56068	8/24/2014	56	100	AT	X		6	235	22.5	4,702	1,271,998
S-356	55051	8/24/2014	58	101	AT	X		6	42.5	21	849	1,272,848
S-357	55051	8/24/2014	59	101	AT	X		6	281.5	22.5	5,761	1,278,609
S-358	56066	8/24/2014	59	102	AT	X		6	14	22.5	279	1,278,887
S-359	56066	8/24/2014	59	102	AT	X		6	298	22.5	6,136	1,285,024

Notes:
* Liner Panel was deployed in intervals

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Panel Deployment Summary**



PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-360	56063	8/24/2014	59	100	AT	X		6	16	22.5	367	1,285,391
S-361	56063	8/27/2014	61	100	CS	X		6	83	22.5	1,903	1,287,294
S-362	56063	8/27/2014	61	100	CS	X		6	47	22.5	920	1,288,214
S-363	56063	8/27/2014	63	100	CS	X		6	36.5	22.5	757	1,288,972
S-364	56063	8/27/2014	63	100	CS	X		6	123.5	22.5	2,426	1,291,397
S-365	55061	8/27/2014	63	100	CS	X		6	314	22.5	6,503	1,297,901
S-366	54036	8/27/2014	64	100	CS	X		6	287.5	22.5	6,054	1,303,955
S-367	56364	8/27/2014	64	100	CS	X		6	268.5	22.5	5,469	1,309,424
S-368	54040	8/27/2014	64	100	CS	X		6	243.5	22.5	5,013	1,314,437
S-369	54040	8/27/2014	64	100	CS	X		6	23.5	22.5	568	1,315,006
S-370	56064	8/27/2014	66	100	CS	X		6	23	22.5	205	1,315,210
S-371	56062	8/27/2014	63	100	CS	X		6	207	22.5	3,947	1,319,157
S-372	56067	8/27/2014	63	100	CS	X		6	18	22.5	363	1,319,520
S-373	54044	8/27/2014	62	100	CS	X		6	175	22.5	3,653	1,323,173
S-374	55058	8/27/2014	62	100	CS	X		6	193	22.5	4,237	1,327,411
S-375	55058	8/28/2014	66	100	CS	X		6	27	22.5	224	1,327,634
S-376	55058	8/28/2014	66	100	CS	X		6	100.5	22.5	2,009	1,329,643
S-377	56062	8/28/2014	65	100	CS	X		6	52.5	22.5	1,090	1,330,734
S-378	54037	8/28/2014	65	100	CS	X		6	140.5	22.5	2,879	1,333,612
S-379	54037	8/28/2014	65	100	CS	X		6	33	22.5	306	1,333,918
S-380	54037	8/28/2014	68	100	CS	X		6	112	22.5	1,885	1,335,803
S-381	54037	8/28/2014	68	100	CS	X		6	31	22.5	313	1,336,116
S-382	54035	8/28/2014	68	100	CS	X		6	67.5	22.5	1,487	1,337,603
S-383	54037	8/28/2014	68	100	CS	X		6	45.5	22.5	449	1,338,051
S-384	56062	8/28/2014	68	100	CS	X		6	30.5	22.5	613	1,338,664
S-385	54035	8/28/2014	62	100	CS	X		6	30	22.5	524	1,339,189
S-386	54035	8/28/2014	62	100	CS	X		6	155	22.5	3,206	1,342,395
S-387	54035	8/28/2014	62	100	CS	X		6	19	22.5	200	1,342,594
S-388	54035	8/28/2014	62	100	CS	X		6	125	22.5	2,570	1,345,165

Notes:
* Liner Panel was deployed in intervals

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Panel Deployment Summary**



PANEL NUMBER	ROLL NUMBER	DEPLOYMENT DATE	AMBIENT AIR TEMPERATURE (°F)	AVERAGE SHEET THICKNESS (mils)	QA MONITOR	VISUAL OBSERVATION	REMARKS	APPROXIMATE DEPLOYMENT			DEPLOYMENT QUANTITIES	
								OVER-LAP (Inch)	LENGTH (Feet)	WIDTH (Feet)	AREA (by survey) (Feet ²)	CUMULATIVE QUANTITY (Feet ²)
S-389	54043	8/28/2014	62	100	CS	X		6	114	22.5	2,412	1,347,576
S-390	54043	8/28/2014	62	100	CS	X		6	15	22.5	154	1,347,731
S-391	54039	8/28/2014	61	100	CS	X		6	87	22.5	1,746	1,349,477
S-392	54039	8/28/2014	61	100	CS	X		6	76	22.5	1,584	1,351,061
S-393	54039	8/28/2014	61	100	CS	X		6	18	22.5	148	1,351,209
S-394	54039	8/28/2014	60	100	CS	X		6	49.5	22.5	1,030	1,352,239
S-395	73040	8/28/2014	60	100	CS	X		6	36.5	22.5	767	1,353,005
S-396	54035	8/28/2014	60	100	CS	X		6	15.5	22.5	130	1,353,135
S-397	73040	8/28/2014	60	100	CS	X		6	7	22.5	24	1,353,159
S-398	54044	9/28/2014	53	100	BM	X		6	146	22.5	3,041	1,356,200
S-399	54039	9/28/2014	55	100	BM	X		6	78	22.5	1,664	1,357,864
S-400	54038	9/28/2014	55	100	BM	X		6	35	22.5	610	1,358,474
S-401	54038	9/28/2014	58	100	BM	X		6	80	22.5	1,727	1,360,201
S-402	54038	9/28/2014	58	101	BM	X		6	65	22.5	672	1,360,872
S-403	54038	9/28/2014	59	100	BM	X		6	23	11	132	1,361,004
S-404	54038	9/28/2014	59	100	BM	X		6	40	10	277	1,361,281
S-405	54038	9/28/2014	60	101	BM	X		6	20	16	118	1,361,398
S-406	54038	9/28/2014	60	100	BM	X		6	38	22	644	1,362,042
S-407	54038	9/28/2014	66	100	BM	X		6	22	4	83	1,362,125
S-408	54038	9/28/2014	66	100	BM	X		6	22	4	83	1,362,208
S-409	54038	9/30/2014	50	100	BM	X		6	36	20	646	1,362,854

Notes:
* Liner Panel was deployed in intervals

Appendix J.2

**Secondary Geomembrane
Fusion & Extrusion Trial Seam Summary**

Fusion Welds

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTCH	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
06/10/14	TF-1	6:45 AM	94	JT	50	850	11.5	172 186	SE1 SE1	193 186	SE1 SE1	223	BRK	PASS	BM	Smooth on Smooth
06/10/14	TF-2	6:45 AM	93	JD	50	830	12.0	172 178	SE1 SE1	193 183	SE1 SE1	216	BRK	PASS	BM	Smooth on Smooth
06/10/14	TF-3	9:55 AM	93	JD	67	850	10.5	144 151	SE1 SE1	152 163	SE1 SE1	185	SE1	PASS	DB	Smooth on Smooth
06/10/14	TF-4	1:00 PM	93	JD	75	850	11.0	141 144	SE1 SE1	156 155	SE1 SE1	171	SE1	PASS	DB	Smooth on Smooth
06/10/14	TF-5	1:10 PM	94	JT	76	850	12.0	137 135	SE1 SE1	148 147	SE1 SE1	178	SE1	PASS	DB	Smooth on Smooth
06/11/14	TF-6	7:35 AM	93	JD	62	850	11.0	198 185	SE1 SE1	176 201	SE1 SE1	214	BRK	PASS	BM	Smooth on Smooth
06/11/14	TF-7	8:20 AM	94	JT	64	850	11.5	147 157	SE1 SE1	150 155	SE1 SE1	164	BRK	PASS	BM	Smooth on Smooth
06/12/14	TF-8	2:05 PM	94	JT	63	800	10.0	172 181	SE1 SE1	181 184	SE1 SE1	186	SE1	PASS	DB	Smooth on Smooth
06/12/14	TF-9	2:05 PM	94	JT	63	800	11.0	180 183	SE1 SE1	186 179	SE1 SE1	177	SE1	PASS	DB	Smooth on Smooth
06/12/14	TF-10	4:10 PM	94	JT	60	850	9.0	175 181	SE1 SE1	179 186	SE1 SE1	196	SE1	PASS	TB	Smooth on Textured
06/13/14	TF-11	6:10 AM	94	JT	52	850	9.0	204 227	SE1 SE1	207 219	SE1 SE1	263	SE1	PASS	DB	Smooth on Smooth
06/13/14	TF-12	6:25 AM	94	JT	52	850	9.0	196 194	SE1 SE1	203 209	SE1 SE1	239	SE1	PASS	DB	Smooth on Textured
06/13/14	TF-13	7:35 AM	94	JT	62	850	9.0	172 158	SE1 SE1	177 172	SE1 SE1	209	SE1	PASS	DB	Smooth on Textured
06/13/14	TF-14	1:40 PM	94	JT	70	850	10.0	145 142	SE1 SE1	146 129	SE1 SE1	192	SE1	PASS	DB	Smooth on Smooth
06/13/14	TF-15	1:40 PM	94	JT	70	850	10.0	121 120	SE1 SE1	144 154	SE1 SE1	183	SE1	PASS	DB	Smooth on Textured
06/14/14	TF-16	10:30 AM	93	JT	68	850	12.0	171 167	SE1 SE1	167 172	SE1 SE1	208	SE1	PASS	AF	Smooth on Smooth
06/14/14	TF-17	10:37 AM	93	JT	68	850	12.5	177 184	SE1 SE1	184 192	SE1 SE1	218	SE1	PASS	AF	Smooth on Smooth

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTech	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
06/14/14	TF-18	8:15 AM	94	JT	62	850	10.0	174 169	SE1 SE1	187 163	SE1 SE1	219	SE1	PASS	DB	Smooth on Smooth
06/14/14	TF-19	8:15 AM	94	JT	62	850	11.0	161 163	SE1 SE1	179 161	SE1 SE1	213	SE1	PASS	DB	Smooth on Smooth
06/14/14	TF-20	8:32 AM	92	LD	62	850	10.0	128 161	SE1 SE1	174 147	SE1 SE1	231	SE1	PASS	DB	Smooth on Smooth
06/14/14	TF-21	8:33 AM	92	LD	62	850	11.0	169 149	SE1 SE1	166 191	SE1 SE1	223	SE1	PASS	DB	Smooth on Smooth
06/16/14	TF-22	6:32 AM	92	JD	50	850	11.0	225 215	SE1 SE1	215 198	SE1 SE1	252	SE1	PASS	DB	Smooth on Smooth
06/16/14	TF-23	6:35 AM	94	JT	50	850	11.0	208 223	SE1 SE1	208 216	SE1 SE1	263	SE1	PASS	DB	Smooth on Smooth
06/16/14	TF-24	6:34 AM	92	JD	51	850	10.0	201 223	SE1 SE1	209 226	SE1 SE1	252	SE1	PASS	DB	Smooth on Smooth
06/16/14	TF-25	6:39 AM	94	JT	51	850	10.0	179 235	SE1 SE1	210 232	SE1 SE1	249	SE1	PASS	DB	Smooth on Smooth
06/16/14	TF-26	7:35 AM	94	JT	53	850	10.0	177 184	SE1 SE1	181 175	SE1 SE1	220	SE1	PASS	TB	Smooth on Textured
06/16/14	TF-27	1:08 PM	92	JD	73	850	12.0	179 181	SE1 SE1	191 198	SE1 SE1	211	SE1	PASS	DB	Smooth on Smooth
06/16/14	TF-28	1:06 PM	92	JD	73	850	11.5	172 184	SE1 SE1	188 181	SE1 SE1	206	SE1	PASS	BD	Smooth on Smooth
06/16/14	TF-29	1:15 PM	94	JT	73	850	11.0	197 182	SE1 SE1	202 192	SE1 SE1	226	SE1	PASS	DB	Smooth on Textured
06/18/14	TF-30	6:15 AM	92	JD	50	850	10.0	201 208	SE1 SE1	195 209	SE1 SE1	251	SE1	PASS	DB	Smooth on Smooth
06/18/14	TF-31	6:20 AM	92	JD	50	850	11.0	219 211	SE1 SE1	203 223	SE1 SE1	252	SE1	PASS	DB	Textured/Textured
06/18/14	TF-32	7:20 AM	94	JT	58	850	10.0	171 182	SE1 SE1	186 192	SE1 SE1	222	SE1	PASS	DB	Smooth on Smooth
06/18/14	TF-33	7:30 AM	92	JD	59	850	10.0	184 175	SE1 SE1	179 181	SE1 SE1	199	SE1	PASS	DB	Smooth on Textured
06/18/14	TF-34	1:25 PM	94	JT	72	850	10.0	174 175	SE1 SE1	182 172	SE1 SE1	182	SE1	PASS	DB	Smooth on Smooth

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTech	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
06/18/14	TF-35	1:30 PM	92	JD	72	850	10.0	174 169	SE1 SE1	179 188	SE1 SE1	184	SE1	PASS	DB	Smooth on Textured
06/18/14	TF-36	1:30 PM	92	JD	72	850	10.0	137 135	SE1 SE1	149 147	SE1 SE1	196	SE1	PASS	DB	Smooth on Smooth
06/19/14	TF-37	6:30 AM	92	JD	40	850	10.0	210 218	SE1 SE1	199 216	SE1 SE1	256	SE1	PASS	DB	Smooth on Textured
06/19/14	TF-38	6:34 AM	94	JT	40	850	10.0	211 222	SE1 SE1	227 235	SE1 SE1	266	SE1	PASS	DB	Smooth on Smooth
06/19/14	TF-39	6:30 AM	94	JT	41	850	10.0	210 215	SE1 SE1	200 221	SE1 SE1	255	SE1	PASS	DB	Smooth on Textured
06/19/14	TF-40	6:35 AM	92	JD	42	850	10.0	202 196	SE1 SE1	192 196	SE1 SE1	207	SE1	PASS	DB	Smooth on Smooth
06/19/14	TF-41	11:30 AM	94	JT	69	850	10.0	165 175	SE1 SE1	162 172	SE1 SE1	180	SE1	PASS	DB	Smooth on Smooth
06/19/14	TF-42	11:35 AM	94	JT	69	850	10.0	188 167	SE1 SE1	195 179	SE1 SE1	196	SE1	PASS	DB	Smooth on Textured
06/19/14	TF-43	1:10 PM	92	JD	69	850	10.0	167 161	SE1 SE1	161 163	SE1 SE1	184	SE1	PASS	DB	Smooth on Smooth
06/19/14	TF-44	1:15 PM	92	JD	70	850	10.0	201 188	SE1 SE1	181 201	SE1 SE1	195	SE1	PASS	DB	Smooth on Textured
06/19/14	TF-45	3:00 PM	92	JD	70	850	10.0	153 169	SE1 SE1	156 164	SE1 SE1	183	SE1	PASS	DB	Smooth on Smooth
06/19/14	TF-46	3:05 PM	92	JD	71	850	10.0	175 187	SE1 SE1	174 184	SE1 SE1	197	SE1	PASS	DB	Smooth on Textured
06/20/14	TF-47	6:40 AM	92	JD	54	850	10.0	172 175	SE1 SE1	167 189	SE1 SE1	210	BRK	PASS	DB	Smooth on Smooth
06/20/14	TF-48	6:40 AM	94	JT	54	850	10.0	193 208	SE1 SE1	206 215	SE1 SE1	232	BRK	PASS	DB	Smooth on Smooth
06/20/14	TF-49	6:45 AM	94	JT	54	850	10.0	208 213	SE1 SE1	215 219	SE1 SE1	225	BRK	PASS	DB	Smooth on Textured
06/20/14	TF-50	6:45 AM	92	JD	54	850	10.0	201 193	SE1 SE1	189 187	SE1 SE1	199	BRK	PASS	DB	Smooth on Textured
06/20/14	TF-51	1:20 PM	92	JD	78	850	10.0	103 145	SE1 SE1	147 148	SE1 SE1	161	BRK	PASS	DB	Smooth on Smooth

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTCH	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/ FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
06/20/14	TF-52	1:25 PM	92	JD	78	850	10.0	159 166	SE1 SE1	114 159	SE1 SE1	169	BRK	PASS	DB	Smooth on Textured
06/21/14	TF-53	6:20 AM	92	JD	56	850	10	189 178	SE1 SE1	187 202	SE1 SE1	206	SE1	PASS	CS	Smooth on Textured
06/21/14	TF-54	6:25 AM	92	JD	56	850	10	146 178	SE1 SE1	192 191	SE1 SE1	204	SE1	PASS	CS	Smooth on Smooth
06/21/14	TF-55	6:50 AM	94	JT	56	850	10	200 220	SE1 SE1	209 206	SE1 SE1	213	SE1	PASS	CS	Smooth on Smooth
06/21/14	TF-56	7:00 AM	94	JT	56	850	10	190 182	SE1 SE1	193 192	SE1 SE1	210	SE1	PASS	CS	Smooth on Textured
06/21/14	TF-57	11:45 AM	93	JT	65	850	10.5	129 119	SE1 SE1	148 136	SE1 SE1	163	SE1	PASS	CS	Smooth on Smooth
06/21/14	TF-58	11:50 AM	93	JT	65	850	10	160 165	SE1 SE1	145 129	SE1 SE1	187	SE1	PASS	CS	Smooth on Smooth
06/21/14	TF-59	12:00 PM	92	JD	75	850	10	114 129	SE1 SE1	141 149	SE1 SE1	180	SE1	PASS	CS	Smooth on Smooth
06/23/14	TF-60	6:30 AM	92	JD	47	850	10.0	170 176	SE1 SE1	216 209	SE1 SE1	212	BRK	PASS	DB	Smooth on Smooth
06/23/14	TF-61	6:35 AM	92	JD	50	850	10.0	209 206	SE1 SE1	207 208	SE1 SE1	206	BRK	PASS	DB	Smooth on Textured
06/23/14	TF-62	7:10 AM	93	JT	58	850	10.5	196 202	SE1 SE1	194 202	SE1 SE1	218	BRK	PASS	DB	Smooth on Smooth
06/23/14	TF-63	7:15 AM	93	JT	58	850	10.5	201 201	SE1 SE1	196 201	SE1 SE1	235	BRK	PASS	DB	Smooth on Textured
06/25/14	TF-64	7:00 AM	92	JD	54	850	10.0	152 189	SE1 SE1	201 216	SE1 SE1	210	BRK	PASS	DB	Smooth on Textured
06/25/14	TF-65	7:05 AM	92	JD	54	850	10.0	140 155	SE1 SE1	179 192	SE1 SE1	243	BRK	PASS	DB	Smooth on Smooth
06/25/14	TF-66	7:25 AM	93	JT	56	850	10.5	158 184	SE1 SE1	122 141	SE1 SE1	235	BRK	PASS	DB	Smooth on Smooth
06/25/14	TF-67	7:43 AM	92	JD	58	850	10.0	186 188	SE1 SE1	190 180	SE1 SE1	223	BRK	PASS	DB	Smooth on Smooth
06/26/14	TF-68	12:05 PM	92	JD	81	850	10.0	163 162	SE1 SE1	166 157	SE1 SE1	170	SE1	PASS	DB	Smooth on Smooth

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTech	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
06/26/14	TF-69	12:05 PM	93	JT	81	850	10.5	127 130	SE1 SE1	128 127	SE1 SE1	152	SE1	PASS	DB	Smooth on Textured
06/26/14	TF-70	12:10 PM	93	JT	80	850	10.5	140 149	SE1 SE1	129 134	SE1 SE1	155	SE1	PASS	DB	Smooth on Smooth
06/26/14	TF-71	12:10 PM	92	JD	80	850	10.0	164 168	SE1 SE1	166 165	SE1 SE1	159	SE1	PASS	DB	Smooth on Textured
06/27/14	TF-72	6:40 AM	92	JD	58	850	10.0	220 211	SE1 SE1	201 203	SE1 SE1	242	BRK	PASS	DB	Smooth on Smooth
06/27/14	TF-73	6:40 AM	93	JT	58	850	10.5	211 202	SE1 SE1	191 208	SE1 SE1	212	BRK	PASS	DB	Smooth on Smooth
06/27/14	TF-74	6:45 AM	92	JD	60	850	10.0	154 201	SE1 SE1	183 182	SE1 SE1	199	BRK	PASS	DB	Smooth on Textured
06/27/14	TF-75	6:45 AM	93	JT	61	850	10.5	192 202	SE1 SE1	205 156	SE1 SE1	207	BRK	PASS	DB	Smooth on Textured
06/27/14	TF-76	11:10 AM	92	JD	70	850	10.0	165 166	SE1 SE1	163 174	SE1 SE1	222	BRK	PASS	DB	Smooth on Smooth
06/27/14	TF-77	11:30 AM	93	JT	70	850	10.0	163 122	SE1 SE1	163 164	SE1 SE1	199	BRK	PASS	DB	Smooth on Smooth
06/27/14	TF-78	11:30 AM	92	JD	70	850	10.0	175 182	SE1 SE1	180 183	SE1 SE1	194	BRK	PASS	DB	Smooth on Textured
06/27/14	TF-79	11:40 AM	93	JT	70	850	10.0	185 198	SE1 SE1	192 193	SE1 SE1	195	BRK	PASS	DB	Smooth on Textured
06/28/14	TF-80	6:30 AM	92	JD	45	850	10.0	202 209	SE1 SE1	158 222	SE1 SE1	229	BRK	PASS	CS	Smooth on Smooth
06/28/14	TF-81	6:40 AM	93	JT	45	850	10.0	181 204	SE1 SE1	213 215	SE1 SE1	224	BRK	PASS	CS	Smooth on Smooth
06/30/14	TF-82	6:40 AM	93	JT	58	850	10.0	173 177	SE1 SE1	125 136	SE1 SE1	214	BRK	PASS	CS	Smooth on Smooth
06/30/14	TF-83	6:45 AM	94	JD	58	850	10.0	180 144	SE1 SE1	178 190	SE1 SE1	226	BRK	PASS	CS	Smooth on Smooth
06/30/14	TF-84	10:35 AM	94	JD	80	850	11.0	131 136	SE1 SE1	135 132	SE1 SE1	177	BRK	PASS	CS	Smooth on Textured
06/30/14	TF-85	10:40 AM	93	JT	80	850	10.0	133 136	SE1 SE1	132 137	SE1 SE1	163	BRK	PASS	CS	Smooth on Textured

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTech	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
07/02/14	TF-86	6:30 AM	93	JT	49	850	10.0	161 162	SE1 SE1	130 184	SE1 SE1	241	BRK	PASS	DB	Smooth on Smooth
07/02/14	TF-87	6:40 AM	93	JT	49	850	10.0	138 151	SE1 SE1	168 177	SE1 SE1	230	BRK	PASS	DB	Smooth on Textured
07/02/14	TF-88	7:30 AM	94	JD	49	850	10.0	182 190	SE1 SE1	203 220	SE1 SE1	239	BRK	PASS	CS	Smooth on Smooth
07/02/14	TF-89	1:25 PM	93	JT	65	850	10.0	130 139	SE1 SE1	114 127	SE1 SE1	153	BRK	PASS	DB	Smooth on Smooth
07/02/14	TF-90	1:30 PM	93	JT	65	850	10.0	145 137	SE1 SE1	133 154	SE1 SE1	160	BRK	PASS	DB	Smooth on Textured
07/02/14	TF-91	2:35 PM	94	JD	69	850	10.0	152 150	SE1 SE1	141 156	SE1 SE1	187	BRK	PASS	BM	Smooth on Smooth
07/03/14	TF-92	7:01 AM	94	JD	55	850	10.0	136 138	SE1 SE1	175 183	SE1 SE1	199	BRK	PASS	AF	Smooth on Smooth
07/03/14	TF-93	7:15 AM	94	JD	56	850	10.0	154 144	SE1 SE1	170 147	SE1 SE1	200	BRK	PASS	AF	Smooth on Textured
07/10/14	TF-94	8:00 AM	94	JD	69	850	10.0	169 182	SE1 SE1	165 162	SE1 SE1	204	BRK	PASS	DB	Smooth on Smooth
07/10/14	TF-95	8:00 AM	93	JT	69	850	10.0	151 185	SE1 SE1	162 177	SE1 SE1	200	BRK	PASS	DB	Smooth on Smooth
07/10/14	TF-96	1:00 PM	94	JD	73	850	10.0	134 136	SE1 SE1	149 125	SE1 SE1	169	BRK	PASS	DB	Smooth on Smooth
07/10/14	TF-97	1:05 PM	93	JT	73	850	10.0	119 126	SE1 SE1	142 126	SE1 SE1	153	BRK	PASS	DB	Smooth on Smooth
07/11/14	TF-98	7:30 AM	92	JD	68	850	10.0	165 170	SE1 SE1	168 190	SE1 SE1	188	BRK	PASS	CS	Smooth on Smooth
07/11/14	TF-99	7:45 AM	93	JT	68	850	10.0	192 201	SE1 SE1	186 192	SE1 SE1	207	BRK	PASS	DB	Smooth on Smooth
07/22/14	TF-100	10:40 AM	93	JT	78	850	10.0	118 122	SE1 SE1	124 132	SE1 SE1	136	BRK	PASS	AT	Smooth on Smooth
07/22/14	TF-101	10:40 AM	92	JD	78	850	10.5	136 139	SE1 SE1	130 134	SE1 SE1	135	BRK	PASS	AT	Smooth on Smooth
07/22/14	TF-102	10:40 AM	92	JD	78	850	10.5	122 129	SE1 SE1	132 139	SE1 SE1	138	BRK	PASS	AT	Smooth on Textured

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTech	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
07/22/14	TF-103	10:40 AM	93	JT	78	850	10.0	137 130	SE1 SE1	127 125	SE1 SE1	173	BRK	PASS	AT	Smooth on Textured
07/24/14	TF-104	8:50 AM	92	JD	74	850	10.5	162 168	SE1 SE1	152 164	SE1 SE1	174	BRK	PASS	AT	Smooth on Smooth
07/24/14	TF-105	8:55 AM	93	JT	74	850	10.0	159 160	SE1 SE1	163 172	SE1 SE1	178	BRK	PASS	AT	Smooth on Smooth
07/24/14	TF-106	9:00 AM	93	JT	74	850	10.0	159 163	SE1 SE1	144 154	SE1 SE1	174	BRK	PASS	AT	Smooth on Textured
07/24/14	TF-107	8:55 AM	92	JD	74	850	10.5	150 170	SE1 SE1	147 152	SE1 SE1	169	BRK	PASS	AT	Smooth on Textured
07/24/14	TF-108	1:00 PM	92	JD	81	850	10.5	125 135	SE1 SE1	149 139	SE1 SE1	170	BRK	PASS	AT	Smooth on Smooth
07/24/14	TF-109	1:05 PM	92	JD	81	850	10.5	135 138	SE1 SE1	141 139	SE1 SE1	163	BRK	PASS	AT	Smooth on Textured
07/26/14	TF-110	10:20 AM	92	JD	80	850	10.5	126 121	SE1 SE1	137 130	SE1 SE1	151	BRK	PASS	DB	Smooth on Smooth
07/26/14	TF-111	10:30 AM	93	JT	80	850	10.0	143 126	SE1 SE1	159 120	SE1 SE1	149	BRK	PASS	DB	Smooth on Textured
07/26/14	TF-112	10:35 AM	93	JT	80	850	10.0	150 146	SE1 SE1	158 141	SE1 SE1	152	BRK	PASS	DB	Smooth on Smooth
07/26/14	TF-113	10:25 AM	92	JD	80	850	10.5	136 129	SE1 SE1	139 136	SE1 SE1	140	BRK	PASS	DB	Smooth on Textured
07/27/14	TF-114	8:20 AM	92	JD	65	850	10.5	152 149	SE1 SE1	173 150	SE1 SE1	168	BRK	PASS	DB	Smooth on Smooth
07/27/14	TF-115	8:20 AM	93	JT	65	850	10.0	171 164	SE1 SE1	173 161	SE1 SE1	174	BRK	PASS	DB	Smooth on Smooth
07/27/14	TF-116	1:30 PM	92	JD	72	850	10.5	148 144	SE1 SE1	142 138	SE1 SE1	135	BRK	PASS	DB	Smooth on Smooth
07/27/14	TF-117	1:35 PM	93	JT	72	850	10.0	149 144	SE1 SE1	158 146	SE1 SE1	174	BRK	PASS	DB	Smooth on Smooth
08/09/14	TF-118	9:30 AM	92	JD	72	850	10.0	160 147	SE1 SE1	162 153	SE1 SE1	168	BRK	PASS	CS	Smooth on Smooth
08/09/14	TF-119	9:40 AM	93	JT	72	850	10.5	146 137	SE1 SE1	151 128	SE1 SE1	144	BRK	PASS	CS	Smooth on Smooth

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTech	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
08/09/14	TF-120	12:30 PM	92	JD	73	850	10.0	143 140	SE1 SE1	138 135	SE1 SE1	145	BRK	PASS	CS	Smooth on Smooth
08/09/14	TF-121	1:10 PM	93	JT	73	850	11.0	138 128	SE1 SE1	147 141	SE1 SE1	159	BRK	PASS	CS	Smooth on Smooth
08/09/14	TF-122	2:20 PM	92	JD	73	850	10.0	165 167	SE1 SE1	158 169	SE1 SE1	173	BRK	PASS	CS	Smooth on Textured
08/09/14	TF-123	2:25 PM	93	JT	73	850	10.0	158 152	SE1 SE1	159 160	SE1 SE1	181	BRK	PASS	CS	Smooth on Textured
08/10/14	TF-124	8:50 AM	93	JT	62	850	10.0	152 162	SE1 SE1	155 158	SE1 SE1	151	BRK	PASS	DB	Smooth on Smooth
08/10/14	TF-125	8:55 AM	92	JD	62	850	10.0	163 149	SE1 SE1	158 155	SE1 SE1	175	BRK	PASS	DB	Smooth on Smooth
08/10/14	TF-126	9:00 AM	92	JD	64	850	10.0	161 148	SE1 SE1	156 142	SE1 SE1	177	BRK	PASS	DB	Smooth on Textured
08/10/14	TF-127	1:15 PM	93	JT	64	850	10.5	145 157	SE1 SE1	140 148	SE1 SE1	172	BRK	PASS	DB	Smooth on Smooth
08/10/14	TF-128	1:10 PM	92	JD	64	850	10.0	159 146	SE1 SE1	152 151	SE1 SE1	173	BRK	PASS	DB	Smooth on Textured
08/10/14	TF-129	1:15 PM	92	JD	64	850	10.0	148 160	SE1 SE1	138 150	SE1 SE1	162	BRK	PASS	DB	Smooth on Smooth
08/11/14	TF-130	2:05 PM	92	JD	65	850	10.0	150 158	SE1 SE1	134 150	SE1 SE1	164	BRK	PASS	DB	Smooth on Smooth
08/11/14	TF-131	2:05 PM	93	JT	65	850	10.5	146 134	SE1 SE1	142 149	SE1 SE1	161	BRK	PASS	DB	Smooth on Smooth
08/11/14	TF-132	4:00 PM	92	JD	65	850	10.0	132 143	SE1 SE1	154 155	SE1 SE1	180	BRK	PASS	DB	Smooth on Smooth
08/13/14	TF-133	1:50 PM	94	JD	79	850	10.0	134 148	SE1 SE1	141 155	SE1 SE1	154	BRK	PASS	CS	Smooth on Smooth
08/13/14	TF-134	2:00 PM	93	JT	79	850	11.0	140 145	SE1 SE1	146 152	SE1 SE1	145	BRK	PASS	CS	Smooth on Smooth
08/14/14	TF-135	12:05 PM	94	JD	74	850	10.0	127 125	SE1 SE1	133 128	SE1 SE1	150	BRK	PASS	CS	Smooth on Smooth
08/14/14	TF-136	1:10 PM	93	JT	74	850	11.0	130 123	SE1 SE1	131 133	SE1 SE1	165	BRK	PASS	CS	Smooth on Smooth

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTech	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
08/16/14	TF-137	2:10 PM	93	JT	69	850	11.0	154 141	SE1 SE1	129 156	SE1 SE1	153	BRK	PASS	BM	Smooth on Smooth
08/16/14	TF-138	2:15 PM	94	JD	69	850	10.0	170 158	SE1 SE1	161 163	SE1 SE1	167	BRK	PASS	BM	Smooth on Smooth
08/16/14	TF-139	2:20 PM	94	JD	69	850	10.0	169 169	SE1 SE1	189 16	SE1 SE1	170	BRK	PASS	BM	Smooth on Textured
08/16/14	TF-140	2:20 PM	93	JT	69	850	11.0	159 160	SE1 SE1	156 149	SE1 SE1	163	BRK	PASS	BM	Smooth on Textured
08/18/14	TF-141	10:30 AM	94	JD	68	850	10.0	122 111	SE1 SE1	120 124	SE1 SE1	135	BRK	PASS	AT	Smooth on Smooth
08/18/14	TF-142	10:33 AM	94	JD	68	850	10.0	147 147	SE1 SE1	133 140	SE1 SE1	152	BRK	PASS	AT	Smooth on Textured
08/18/14	TF-143	10:33 AM	93	JT	68	850	10.5	126 129	SE1 SE1	155 144	SE1 SE1	151	BRK	PASS	AT	Smooth on Textured
08/18/14	TF-144	10:35 AM	93	JT	68	850	10.5	127 118	SE1 SE1	134 132	SE1 SE1	149	BRK	PASS	AT	Smooth on Smooth
08/18/14	TF-145	1:10 PM	93	JT	74	850	10.5	136 139	SE1 SE1	162 145	SE1 SE1	139	BRK	PASS	CS	Smooth on Smooth
08/18/14	TF-146	2:30 PM	94	JD	74	850	10.0	153 151	SE1 SE1	159 150	SE1 SE1	173	BRK	PASS	CS	Smooth on Smooth
08/18/14	TF-147	2:30 PM	93	JT	74	850	10.0	170 156	SE1 SE1	172 168	SE1 SE1	174	BRK	PASS	CS	Smooth on Textured
08/19/14	TF-148	7:58 AM	65	JD	65	850	10.0	176 165	SE1 SE1	182 178	SE1 SE1	224	BRK	PASS	CS	Smooth on Smooth
08/19/14	TF-149	8:00 AM	65	JD	65	850	10.0	169 176	SE1 SE1	178 174	SE1 SE1	215	BRK	PASS	CS	Smooth on Textured
08/19/14	TF-150	8:10 AM	65	JT	65	850	10.5	177 182	SE1 SE1	170 178	SE1 SE1	192	BRK	PASS	CS	Smooth on Smooth
08/19/14	TF-151	8:10 AM	65	JT	65	850	10.5	181 191	SE1 SE1	144 151	SE1 SE1	213	BRK	PASS	CS	Smooth on Textured
08/19/14	TF-152	11:15 AM	71	JD	71	850	9.5	158 148	SE1 SE1	154 147	SE1 SE1	139	BRK	PASS	CS	Smooth on Smooth
08/19/14	TF-153	11:15 AM	71	JD	71	850	9.5	128 126	SE1 SE1	144 142	SE1 SE1	136	BRK	PASS	CS	Smooth on Textured

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTech	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
08/19/14	TF-154	11:15 AM	71	JD	71	850	9.5	148 139	SE1 SE1	122 148	SE1 SE1	151	BRK	PASS	CS	Smooth on Textured
08/20/14	TF-155	1:20 PM	69	JT	69	850	10.0	144 147	SE1 SE1	152 141	SE1 SE1	164	BRK	PASS	CS	Smooth on Smooth
08/21/14	TF-156	7:53 AM	94	JD	57	850	10.0	203 193	SE1 SE1	180 200	SE1 SE1	194	BRK	PASS	AF	Smooth on Smooth
08/21/14	TF-157	7:50 AM	94	JD	57	850	10.0	164 164	SE1 SE1	179 166	SE1 SE1	189	BRK	PASS	AF	Smooth on Textured
08/21/14	TF-158	8:00 AM	93	JT	58	850	10.0	167 182	SE1 SE1	161 167	SE1 SE1	195	BRK	PASS	AF	Smooth on Textured
08/21/14	TF-159	8:05 AM	93	JT	58	850	10.0	159 191	SE1 SE1	181 191	SE1 SE1	196	BRK	PASS	AF	Smooth on Smooth
08/21/14	TF-160	12:53 PM	94	JD	71	850	10.0	121 157	SE1 SE1	129 157	SE1 SE1	166	BRK	PASS	AF	Smooth on Smooth
08/21/14	TF-161	12:55 PM	93	JT	71	850	10.0	149 172	SE1 SE1	152 154	SE1 SE1	165	BRK	PASS	AF	Smooth on Textured
08/21/14	TF-162	12:50 PM	93	JT	71	850	10.0	131 144	SE1 SE1	140 134	SE1 SE1	159	BRK	PASS	AF	Smooth on Smooth
08/21/14	TF-163	12:53 PM	94	JD	71	850	10.0	116 129	SE1 SE1	124 127	SE1 SE1	145	BRK	PASS	AF	Smooth on Textured
08/23/14	TF-164	2:00 PM	93	JT	70	850	10.0	168 150	SE1 SE1	163 163	SE1 SE1	170	BRK	PASS	RB	Smooth on Textured
08/24/14	TF-165	8:10 AM	94	JD	58	850	10.0	168 176	SE1 SE1	172 183	SE1 SE1	197	BRK	PASS	AT	Smooth on Smooth
08/24/14	TF-166	8:15 AM	94	JD	58	850	10.0	167 186	SE1 SE1	178 177	SE1 SE1	222	BRK	PASS	AT	Smooth on Textured
08/24/14	TF-167	10:25 AM	93	JT	60	850	10.0	133 137	SE1 SE1	148 154	SE1 SE1	195	BRK	PASS	AT	Smooth on Smooth
08/24/14	TF-168	10:30 AM	93	JT	60	850	10.0	144 188	SE1 SE1	155 155	SE1 SE1	211	BRK	PASS	AT	Smooth on Textured
08/27/14	TF-169	12:15 PM	93	JT	64	850	10	150 155	SE1 SE1	139 146	SE1 SE1	155	BRK	PASS	AF	Smooth on Smooth
08/27/14	TF-170	12:20 PM	93	JT	64	850	10	137 133	SE1 SE1	143 158	SE1 SE1	147	BRK	PASS	AF	Smooth on Textured

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELDTCH	AMBIENT AIR TEMPERATURE (°F)	MACHINE SETTINGS		TEST RESULTS							QA MONITOR	REMARKS
						MACHINE TEMPERATURE (°F)	SPEED SETTING	INSIDE PEEL (Min.=100)		OUTSIDE PEEL (Min.=100)		SHEAR (Min.=130)		PASS/ FAIL		
								STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE ¹	STENGTH (ppi)	MODE			
08/27/14	TF-171	12:30 PM	94	JD	64	850	10	139 155	SE1 SE1	135 138	SE1 SE1	162	BRK	PASS	AF	Smooth on Textured
08/27/14	TF-172	12:35 PM	94	JD	64	850	10	130 144	SE1 SE1	152 132	SE1 SE1	156	BRK	PASS	AF	Smooth on Smooth
08/28/14	TF-173	8:25 AM	94	JD	52	850	10.0	169 176	SE1 SE1	185 172	SE1 SE1	207	BRK	PASS	CS	Smooth on Smooth
08/28/14	TF-174	8:28 AM	94	JD	52	850	10.0	193 167	SE1 SE1	142 155	SE1 SE1	216	BRK	PASS	CS	Smooth on Textured
08/28/14	TF-175	8:20 AM	93	JT	52	850	10.0	203 205	SE1 SE1	185 179	SE1 SE1	216	BRK	PASS	CS	Smooth on Smooth
08/28/14	TF-176	8:25 AM	93	JT	52	850	10.0	187 163	SE1 SE1	165 186	SE1 SE1	229	BRK	PASS	CS	Smooth on Textured
08/29/14	TF-177	8:40 AM	93	JT	50	850	9.5	165 150	SE1 SE1	133 154	SE1 SE1	215	BRK	PASS	CS	Smooth on Smooth

Extrusion Welds

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Extrusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELD TECH.	AMBIENT AIR TEMPERATURE (°F)	PRE-HEAT TEMPERATURE (°F)	EXTRUDER TEMPERATURE (°F)	TEST RESULTS					QA MONITOR	REMARKS
								PEEL		SHEAR		PASS/ FAIL		
								STENGTH (ppi)	MODE	STENGTH (ppi)	MODE			
06/11/14	TX-1	10:40 AM	116	LD	69	550	550	196 190	SE3 SE3	202	BRK	PASS	DB	
06/11/14	TX-2	1:41 PM	67	LD	50	520	550	163 193	SE3 SE3	201	BRK	PASS	DB	
06/12/14	TX-3	1:35 PM	116	LD	60	510	460	155 194	SE3 SE3	198	BRK	PASS	TB	
06/13/14	TX-4	6:20 AM	116	LD	52	520	550	200 201	SE3 SE3	169	BRK	PASS	DB	
06/13/14	TX-5	10:10 AM	120	PL	70	518	550	160 155	SE3 SE3	164	BRK	PASS	DB	
06/14/14	TX-6	11:10 AM	116	LD	70	500	550	193 189	SE3 SE3	189	BRK	PASS	DB	
06/17/14	TX-7	7:00 AM	116	JD	52	500	470	188 190	SE3 SE3	253	BRK	PASS	DB	
06/17/14	TX-8	8:05 AM	120	PL	62	500	470	137 148	SE3 SE3	277	BRK	PASS	CS	
06/19/14	TX-9	11:00 AM	116	LD	69	510	460	185 186	SE3 SE3	206	BRK	PASS	DB	
06/20/14	TX-10	6:16 AM	116	LD	48	520	460	169 175	SE3 SE3	206	BRK	PASS	DB	
06/20/14	TX-11	1:33 PM	116	LD	78	500	460	152 117	SE3 SE3	180	BRK	PASS	DB	
06/21/14	TX-12	6:25 AM	116	LD	56	520	460	150 151	SE3 SE3	213	BRK	PASS	CS	
06/21/14	TX-13	1:00 PM	116	LD	75	500	460	146 154	SE3 SE3	173	BRK	PASS	CS	
06/23/14	TX-14	6:30 AM	116	LD	45	510	460	134 185	SE3 SE3	222	BRK	PASS	DB	
06/23/14	TX-15	12:20 PM	116	LD	68	500	460	172 142	SE3 SE3	199	BRK	PASS	BM	
06/24/14	TX-16	9:08 AM	116	LD	67	510	460	146 155	SE3 SE3	207	BRK	PASS	AF	
06/24/14	TX-17	1:45 PM	120	PL	69	500	460	166 182	SE3 SE3	229	BRK	PASS	DB	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Extrusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELD TECH.	AMBIENT AIR TEMPERATURE (°F)	PRE-HEAT TEMPERATURE (°F)	EXTRUDER TEMPERATURE (°F)	TEST RESULTS					QA MONITOR	REMARKS
								PEEL		SHEAR		PASS/ FAIL		
								STENGTH (ppi)	MODE	STENGTH (ppi)	MODE			
06/24/14	TX-18	2:20 PM	116	LD	74	500	460	114 113	SE3 SE3	133	BRK	PASS	DB	
06/25/14	TX-19	6:20 AM	116	LD	52	510	460	135 170	SE3 SE3	233	BRK	PASS	DB	
06/26/14	TX-20	8:15 AM	120	JD	71	510	460	152 175	SE3 SE3	197	BRK	PASS	DB	
06/26/14	TX-21	8:30 AM	116	LD	72	500	460	117 127	SE3 SE3	172	BRK	PASS	DB	
06/26/14	TX-22	12:00 PM	120	LD	80	500	460	118 118	SE3 SE3	180	BRK	PASS	DB	
06/26/14	TX-23	4:08 PM	120	LD	78	510	460	149 147	SE3 SE3	194	BRK	PASS	DB	
06/27/14	TX-24	7:00 AM	120	LD	58	518	460	188 174	SE3 SE3	205	BRK	PASS	DB	
06/27/14	TX-25	11:00 AM	120	LD	69	500	460	174 119	SE3 SE3	201	BRK	PASS	DB	
06/27/14	TX-26	3:50 PM	108	PL	70	500	460	132 155	SE3 SE3	192	BRK	PASS	CS	
06/27/14	TX-27	6:00 PM	108	PL	65	500	460	115 118	SE3 SE3	202	BRK	PASS	CS	
06/28/14	TX-28	8:00 AM	120	LD	61	518	500	110 119	SE3 SE3	0	BRK	FAIL	DB	
06/28/14	TX-29	8:05 AM	120	LD	61	518	500	128 135	SE3 SE3	201	BRK	PASS	DB	Re-test of TX-28
06/30/14	TX-30	6:30 AM	120	LD	58	518	500	135 168	SE3 SE3	201	BRK	PASS	DB	
06/30/14	TX-31	1:50 PM	108	PL	82	500	460	119 171	SE3 SE3	163	BRK	PASS	CS	
06/30/14	TX-32	1:55 PM	120	LD	82	518	460	180 180	SE3 SE3	171	BRK	PASS	CS	
07/02/14	TX-33	6:30 AM	120	LD	49	518	500	165 130	SE3 SE3	207	BRK	PASS	DB	
07/02/14	TX-34	2:00 PM	120	LD	64	518	500	129 161	SE3 SE3	156	BRK	PASS	DB	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Extrusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELD TECH.	AMBIENT AIR TEMPERATURE (°F)	PRE-HEAT TEMPERATURE (°F)	EXTRUDER TEMPERATURE (°F)	TEST RESULTS					QA MONITOR	REMARKS
								PEEL		SHEAR		PASS/ FAIL		
								STENGTH (ppi)	MODE	STENGTH (ppi)	MODE			
07/03/14	TX-35	6:40 AM	120	LD	54	518	500	151 140	SE3 SE3	228	BRK	PASS	AF	
07/03/14	TX-36	10:30 AM	108	JD	66	475	475	128 148	SE3 SE3	183	BRK	PASS	RM	
07/03/14	TX-37	1:30 PM	120	LD	81	518	500	156 131	SE3 SE3	158	BRK	PASS	DB	
07/10/14	TX-38	8:00 AM	120	LD	68	518	472	164 216	SE3 SE3	227	BRK	PASS	DB	
07/10/14	TX-39	1:25 PM	120	LD	73	518	472	143 168	SE3 SE3	156	BRK	PASS	DB	
07/10/14	TX-40	2:20 PM	108	JD	77	480	480	109 141	SE3 SE3	163	BRK	PASS	DB	
07/11/14	TX-41	7:46 AM	116	LD	68	510	500	178 169	SE3 SE3	185	BRK	PASS	DB	
07/15/14	TX-42	11:45 AM	120	AR	72	482	482	135 134	SE3 SE3	173	BRK	PASS	DB	
07/11/14	TX-43	1:50 PM	116	LD	70	520	460	134 111	SE3 SE3	131	BRK	PASS	DB	
07/21/14	TX-44	10:30 AM	116	JD	71	500	520	155 176	SE3 SE3	173	BRK	PASS	AF	
07/22/14	TX-45	11:30 AM	116	LD	82	500	500	152 162	SE3 SE3	154	BRK	PASS	AT	
07/22/14	TX-46	1:40 PM	120	JD	77	500	482	168 163	SE3 SE3	173	BRK	PASS	AT	
07/22/14	TX-47	2:15 PM	108	LD	77	500	510	177 172	SE3 SE3	195	BRK	PASS	AT	
07/22/14	TX-48	4:20 PM	108	LD	73	500	510	131 146	SE3 SE3	151	BRK	PASS	BM	
07/22/14	TX-49	5:05 PM	120	JD	75	518	518	152 149	SE3 SE3	175	BRK	PASS	BM	
07/23/14	TX-50	1:50 PM	120	PL	76	500	450	139 113	SE3 SE3	160	BRK	PASS	BM	
07/24/14	TX-51	9:20 AM	120	LD	74	520	500	184 190	SE3 SE3	174	BRK	PASS	AT	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Extrusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELD TECH.	AMBIENT AIR TEMPERATURE (°F)	PRE-HEAT TEMPERATURE (°F)	EXTRUDER TEMPERATURE (°F)	TEST RESULTS					QA MONITOR	REMARKS
								PEEL		SHEAR		PASS/ FAIL		
								STENGTH (ppi)	MODE	STENGTH (ppi)	MODE			
07/24/14	TX-52	11:40 AM	108	JT	78	490	485	142 152	SE3 SE3	162	BRK	PASS	AT	
07/24/14	TX-53	1:30 PM	120	LD	81	520	500	139 136	SE3 SE3	160	BRK	PASS	AT	
07/26/14	TX-54	12:13 PM	116	LD	72	500	480	141 128	SE3 SE3	182	BRK	PASS	DB	
07/26/14	TX-55	3:45 PM	120	JD	69	500	520	121 128	SE3 SE3	173	BRK	PASS	DB	
07/26/14	TX-56	3:50 PM	116	LD	69	500	480	156 126	SE3 SE3	177	BRK	PASS	DB	
07/27/14	TX-57	8:30 AM	116	LD	65	500	480	160 131	SE3 SE3	181	BRK	PASS	DB	
07/27/14	TX-58	2:50 PM	120	JD	70	500	520	125 163	SE3 SE3	186	BRK	PASS	DB	
07/28/14	TX-59	9:47 AM	116	OT	65	505	480	142 148	SE3 SE3	171	BRK	PASS	CS	
07/29/14	TX-60	12:35 PM	116	LD	62	510	480	182 187	SE3 SE3	196	BRK	PASS	BM	
08/09/14	TX-61	1:20 PM	120	LD	73	464	500	151 160	SE3 SE3	156	BRK	PASS	BM	
08/10/14	TX-62	9:06 AM	120	LD	62	518	480	149 157	SE3 SE3	206	BRK	PASS	DB	
08/10/14	TX-63	1:20 PM	120	LD	62	518	480	167 134	SE3 SE3	174	BRK	PASS	DB	
08/11/14	TX-64	11:20 AM	120	LD	60	518	480	174 161	SE3 SE3	191	BRK	PASS	DB	
08/12/14	TX-65	9:18 AM	120	LD	68	518	480	160 138	SE3 SE3	196	BRK	PASS	AT	
08/12/14	TX-66	2:57 PM	120	LD	74	518	480	163 164	SE3 SE3	186	BRK	PASS	AT	
08/14/14	TX-67	9:03 AM	120	LD	74	518	480	194 175	SE3 SE3	207	BRK	PASS	CS	
08/18/14	TX-68	1:33 PM	120	LD	74	518	480	135 151	SE3 SE3	159	BRK	PASS	CS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Extrusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELD TECH.	AMBIENT AIR TEMPERATURE (°F)	PRE-HEAT TEMPERATURE (°F)	EXTRUDER TEMPERATURE (°F)	TEST RESULTS					QA MONITOR	REMARKS
								PEEL		SHEAR		PASS/ FAIL		
								STENGTH (ppi)	MODE	STENGTH (ppi)	MODE			
08/19/14	TX-69	8:43 AM	120	LD	65	518	480	158 136	SE3 SE3	173	BRK	PASS	CS	
08/20/14	TX-70	8:13 AM	120	LD	57	518	480	170 184	SE3 SE3	214	BRK	PASS	CS	
08/20/14	TX-71	1:20 PM	120	LD	69	518	480	122 140	SE3 SE3	179	BRK	PASS	CS	
08/20/14	TX-72	4:45 PM	108	PL	73	480	500	160 154	SE3 SE3	173	BRK	PASS	AF	
08/22/14	TX-73	8:15 AM	120	LD	58	518	480	168 174	SE3 SE3	229	BRK	PASS	AF	
08/23/14	TX-74	7:54 AM	116	LD	62	510	500	164 138	SE3 SE3	191	BRK	PASS	AF	
08/23/14	TX-75	3:30 PM	103	AR	63	448	300	152 154	SE3 SE3	172	BRK	PASS	AT	
08/23/14	TX-76	8:10 AM	116	LD	58	515	485	153 129	SE3 SE3	194	BRK	PASS	RB	
08/23/14	TX-77	8:15 AM	120	JD	60	520	510	145 121	SE3 SE3	168	BRK	PASS	RB	
08/23/14	TX-78	1:30 PM	116	LD	66	520	510	152 192	SE3 SE3	200	BRK	PASS	RB	
08/23/14	TX-79	1:40 PM	120	JD	70	500	510	142 145	SE3 SE3	149	BRK	PASS	RB	
08/24/14	TX-80	8:02 AM	116	LD	58	520	500	128 151	SE3 SE3	191	BRK	PASS	AT	
08/24/14	TX-81	1:11 PM	116	LD	60	518	480	130 147	SE3 SE3	179	BRK	PASS	RB	
08/24/14	TX-82	2:30 PM	120	JD	65	518	480	193 198	SE3 SE3	205	BRK	PASS	RB	
08/25/14	TX-83	2:38 PM	116	LD	69	510	500	143 156	SE3 SE3	187	BRK	PASS	AT	
08/29/14	TX-84	8:00 AM	120	LD	50	520	510	192 199	SE3 SE3	235	BRK	PASS	CS	
08/29/14	TX-85	8:10 AM	103	AR	50	510	490	169 146	SE3 SE3	171	BRK	PASS	CS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Process Solution Storage Area
Secondary Geomembrane Extrusion Trial Seam Summary**



DATE	SAMPLE NUMBER	TIME	MACHINE NUMBER	WELD TECH.	AMBIENT AIR TEMPERATURE (°F)	PRE-HEAT TEMPERATURE (°F)	EXTRUDER TEMPERATURE (°F)	TEST RESULTS					QA MONITOR	REMARKS
								PEEL		SHEAR		PASS/ FAIL		
								STENGTH (ppi)	MODE	STENGTH (ppi)	MODE			
08/29/14	TX-86	10:30 AM	108	JT	50	475	500	139 170	SE3 SE3	167	BRK	PASS	CS	
08/29/14	TX-87	12:45 PM	120	LD	65	510	500	172 132	SE3 SE3	143	BRK	PASS	CS	
08/29/14	TX-88	12:55 PM	103	AR	65	510	490	140 170	SE3 SE3	168	BRK	PASS	CS	
09/03/14	TX-89	8:24 AM	120	LD	61	510	480	186 153	SE3 SE3	197	BRK	PASS	AF	
09/03/14	TX-90	1:23 PM	120	LD	77	510	500	144 119	SE3 SE3	164	BRK	PASS	BM	
09/04/14	TX-91	10:42 AM	120	LD	68	510	500	149 158	SE3 SE3	181	BRK	PASS	BM	
09/06/14	TX-92	1:17 PM	120	JD	62	510	500	158 153	SE3 SE3	184	BRK	PASS	BM	
09/28/14	TX-52	3:58 PM	120	LD	67	428	500	127 167	SE3 SE3	186	BRK	PASS	TB	
09/28/14	TX-53	4:00 PM	108	JD	67	500	500	135 129	SE3 SE3	179	BRK	PASS	TB	
09/29/14	TX-54	9:40 AM	108	PL	50	500	480	189 168	SE3 SE3	199	BRK	PASS	BM	
09/30/14	TX-55	3:07 PM	120	LD	55	550	500	134 167	SE3 SE3	230	BRK	PASS	BM	

Appendix J.3

**Secondary Geomembrane
Fusion Welding Summary**

Fusion Welds

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-1/S-2	E EOS / W EOS	6/10/2014	7:22 AM	55	JT	94	11.5	850	850	315	BM		
S-2/S-3	E EOS / W EOS	6/10/2014	9:00 AM	60	JT	94	12.0	830	830	251	DB	DF-1 (1A & 1B)	
S-3/S-4	E EOS / W EOS	6/10/2014	10:06 AM	62	JD	93	10.5	850	851	318	DB		
S-4/S-5	E EOS / W EOS	6/10/2014	10:10 AM	66	JT	94	11.5	850	841	315	BM	DF-2	
S-5/S-6	E EOS / W EOS	6/10/2014	11:37 AM	67	JD	93	10.5	850	851	318	DB	DF-3	
S-6/S-7	E EOS / W EOS	6/10/2014	1:40 PM	73	JD	93	11.0	850	850	316	DB	DF-4	
S-7/S-8	E EOS / W EOS	6/11/2014	7:54 AM	60	JD	93	11.0	850	851	315	DB	DF-7 (7B)	Seam Capped
S-8/S-9	E EOS / W EOS	6/11/2014	8:40 AM	67	JT	94	11.5	850	850	315	BM		
S-9/S-10	E EOS / W EOS	6/11/2014	9:25 AM	67	JT	94	11.5	850	847	318	BM	DF-5	
S-10/S-11	E EOS / W EOS	6/11/2014	10:15 AM	67	JT	94	11.5	850	850	322	BM	DF-6 (6B)	
S-12/S-13	W EOS / E EOS	6/12/2014	2:30 PM	58	JT	94	10	850	850	71	AF		
S-13/S-14	W EOS / E EOS	6/12/2014	2:44 PM	58	JT	94	10.0	850	850	74	AF		
S-14/S-15	W EOS / E EOS	6/12/2014	2:55 PM	58	JT	94	10.0	850	850	73	AF	DF-8 (8A & 8B)	
S-15/S-16	W EOS / E EOS	6/12/2014	3:05 PM	58	JT	94	10.0	850	850	41	AF		
S-14/S-17	N EOS / S EOS	6/12/2014	3:13 PM	59	JT	94	10.0	850	850	7	AF		
S-15/S-17	N EOS / S EOS	6/12/2014	3:14 PM	59	JT	94	10.0	850	850	38	AF		
S-16/S-17	N EOS / S EOS	6/12/2014	3:20 PM	59	JT	94	10.0	850	850	38	AF		
S-17/S-18	S EOS / N EOS	6/12/2014	3:29 PM	59	JT	94	10.0	850	850	94	AF		
S-18/S-19	N EOS / S EOS	6/12/2014	3:45 PM	60	JT	94	10.0	850	850	43	AF		
S-20/S-21	N EOS / S EOS	6/12/2014	4:23 PM	60	JT	94	10.0	850	850	47	AF		
S-18/S-20	E EOS / W EOS	6/12/2014	4:33 PM	60	JT	94	10.0	850	850	49	AF		
S-19/S-20	E EOS / W EOS	6/12/2014	4:41 PM	60	JT	94	10.0	850	850	47	AF		
S-21/S-22	N EOS / S EOS	6/12/2014	4:51 PM	60	JT	94	10.0	850	850	42	AF		
S-20/S-22	N EOS / S EOS	6/12/2014	4:58 PM	60	JT	94	10.0	850	850	33	AF	DF-9	
S-22/S-23	W EOS / E EOS	6/13/2014	6:35 AM	51	JT	94	9.0	850	850	73	AF		
S-23/S-24	W EOS / E EOS	6/13/2014	6:55 AM	55	JT	94	9.0	850	850	75	AF		
S-24/S-25	W EOS / E EOS	6/13/2014	7:40 AM	58	JT	94	9.0	850	850	74	AF	DF-10	
S-25/S-26	W EOS / E EOS	6/13/2014	8:00 AM	61	JT	94	9.0	850	850	73	AF		
S-26/S-27	W EOS / E EOS	6/13/2014	8:35 AM	62	JT	94	9.0	850	850	72	AF		
S-27/S-28	W EOS / E EOS	6/13/2014	8:52 AM	65	JT	94	9.0	850	850	71	AF		
S-28/S-29	W EOS / E EOS	6/13/2014	9:15 AM	64	JT	94	9.0	850	850	75	AF		
S-29/S-30	N EOS / S EOS	6/13/2014	9:38 AM	69	JT	94	9.0	850	851	76	AF	DF-11	
S-30/S-31	W EOS / E EOS	6/13/2014	1:55 PM	73	JT	94	10.0	850	852	72	AF		
S-31/S-32	W EOS / E EOS	6/13/2014	2:30 PM	74	JT	94	10.0	850	855	62	AF		Seam Capped
S-32/S-33	W EOS / E EOS	6/13/2014	2:45 PM	72	JT	94	10.0	850	853	68	AF		
S-33/S-34	S EOS / N EOS	6/13/2014	3:00 PM	73	JT	94	10.0	850	854	68	AF		
S-34/S-35	S EOS / N EOS	6/13/2014	3:20 PM	73	JT	94	10.0	850	852	67	AF		
S-35/S-36	S EOS / N EOS	6/13/2014	3:50 PM	73	JT	94	10.0	850	850	74	AF		
S-36/S-37	S EOS / N EOS	6/13/2014	4:10 PM	73	JT	94	10.0	850	851	65	AF	DF-12 (12B)	
S-37/S-38	S EOS / N EOS	6/13/2014	4:30 PM	72	JT	94	10.0	850	850	63	AF	DF-12A	
S-38/S-39	S EOS / N EOS	6/13/2014	4:44 PM	71	JT	94	10.0	850	852	63	AF		
S-31/S-39	S EOS / N EOS	6/13/2014	5:00 PM	71	JT	94	10.0	850	850	26	AF		

Acronyms:
EOS-End of Seam
N, E, S, W-Cardinal Directions

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-11/S-40	W EOS / 218' E	6/14/2014	9:00 AM	64	JT	94	10.0	850	851	218	AF	DF-13	Note Machine Change
S-11/S-40	218' E / E EOS	6/14/2014	10:40 AM	68	JT	93	12.0	850	852	96	AF		Note Machine Change
S-40/S-41	E EOS / W EOS	6/14/2014	Failed Seam										Re-seamed
S-40/S-41	W EOS / E EOS	6/14/2014	10:55 AM	68	JT	93	12.0	850	850	267	AF	DF-14	
S-41/S-42	W EOS / E EOS	6/16/2014	7:00 AM	57	JD	92	11.0	850	851	204	AF		
S-42/S-43	W EOS / E EOS	6/16/2014	7:05 AM	57	JT	94	10.0	850	851	150	AF		
S-12/S-44	W EOS / E EOS	6/16/2014	7:33 AM	60	JD	92	11.0	850	851	66	CS		
S-44/S-45	W EOS / E EOS	6/16/2014	7:45 AM	61	JD	92	11.0	850	851	26	CS		
S-43/S-44	W EOS / E EOS	6/16/2014	7:50 AM	60	JT	94	10.0	850	850	55	AF		
S-43/S-45	W EOS / E EOS	6/16/2014	7:58 AM	61	JT	94	10.0	850	850	45	AF		
S-39/S-46	N EOS / S EOS	6/16/2014	8:53 AM	65	JD	92	11.0	850	851	77	CS	DF-15	
S-47/S-48	W EOS / E EOS	6/16/2014	9:05 AM	63	JT	94	10.0	850	851	22.5	AF		
S-46/S-47	N EOS / S EOS	6/16/2014	9:10 AM	65	JD	92	11.0	850	850	135	CS		
S-26/S-48	N EOS / S EOS	6/16/2014	9:34 AM	63	JT	94	10.0	850	851	23	AF	DF-16	
S-48/S-49	N EOS / S EOS	6/16/2014	9:35 AM	65	JD	92	11.0	850	850	53	CS		
S-47/S-49	N EOS / S EOS	6/16/2014	9:38 AM	65	JD	92	11.0	850	850	135	CS		
S-27/S-48	N EOS / S EOS	6/16/2014	9:39 AM	63	JT	94	10.0	850	851	23	AF		
S-28/S-46	N EOS / S EOS	6/16/2014	9:46 AM	63	JT	94	10.0	850	851	23	AF		Seam Capped
S-29/S-46	N EOS / S EOS	6/16/2014	9:51 AM	63	JT	94	10.0	850	851	20	AF		
S-30/S-46	N EOS / S EOS	6/16/2014	9:56 AM	64	JT	94	10.0	850	851	20	AF		
S-49/S-50	N EOS / S EOS	6/16/2014	10:03 AM	65	JD	92	11.0	850	850	39	CS		
S-50/S-51	W EOS / E EOS	6/16/2014	10:03 AM	64	JT	94	10.0	850	851	22.5	AF		
S-49/S-51	N EOS / S EOS	6/16/2014	10:05 AM	65	JD	92	11.0	850	850	22	CS	DF-17 (17A)	
S-49/S-52	N EOS / S EOS	6/16/2014	10:07 AM	65	JD	92	11.0	850	850	40	CS	DF-17 (17B)	
S-51/S-52	W EOS / E EOS	6/16/2014	10:07 AM	64	JT	94	10.0	850	851	22.5	AF		
S-49/S-53	N EOS / S EOS	6/16/2014	10:24 AM	65	JD	92	11.0	850	850	29	CS		
S-53/S-54	W EOS / E EOS	6/16/2014	10:25 AM	66	JT	94	10.0	850	850	22.5	AF		
S-49/S-54	N EOS / S EOS	6/16/2014	10:27 AM	65	JD	92	11.0	850	850	143	CS		
S-52/S-53	W EOS / E EOS	6/16/2014	10:30 AM	66	JT	94	10.0	850	851	22.5	AF		
S-22/S-49	N EOS / S EOS	6/16/2014	10:42 AM	66	JT	94	10.0	850	850	22	AF		
S-23/S-49	N EOS / S EOS	6/16/2014	10:45 AM	67	JT	94	10.0	850	850	23	AF		
S-24/S-49	N EOS / S EOS	6/16/2014	10:47 AM	67	JT	94	10.0	850	850	23	AF		
S-25/S-49	N EOS / S EOS	6/16/2014	10:50 AM	67	JT	94	10.0	850	851	14	AF		
S-25/S-48	N EOS / S EOS	6/16/2014	Failed Seam										Seam Capped
S-50/S-55	N EOS / S EOS	6/16/2014	10:54 AM	65	JD	92	11.0	850	850	39	CS		
S-51/S-55	N EOS / S EOS	6/16/2014	10:57 AM	65	JD	92	11.0	850	850	22	CS		
S-52/S-55	N EOS / S EOS	6/16/2014	11:02 AM	65	JD	92	11.0	850	850	40	CS		
S-53/S-55	N EOS / S EOS	6/16/2014	11:04 AM	65	JD	92	11.0	850	850	29	CS		
S-54/S-55	N EOS / S EOS	6/16/2014	11:07 AM	65	JD	92	11.0	850	850	143	CS		
S-55/S-56	N EOS / S EOS	6/16/2014	11:34 AM	65	JD	92	11.0	850	850	280	CS	DF-18	
S-16/S-55	E EOS / W EOS	6/16/2014	11:40 AM	67	JT	94	10.0	850	851	10	AF		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-17/S-55	E EOS / W EOS	6/16/2014	11:41 AM	67	JT	94	10.0	850	851	14	AF		
S-17/S-50	E EOS / W EOS	6/16/2014	11:42 AM	67	JT	94	10.0	850	851	10	AF		
S-20/S-50	E EOS / W EOS	6/16/2014	11:43 AM	67	JT	94	10.0	850	851	11	AF		
S-56/S-57	N EOS / S EOS	6/16/2014	11:50 AM	67	JT	94	10.0	850	850	317	AF	DF-19	
S-57/S-58	N EOS / S EOS	6/16/2014	1:19 PM	68	JD	92	11.0	850	851	319	CS	DF-20	
S-57/S-60	W EOS / E EOS	6/16/2014	1:55 PM	66	JT	94	11.0	850	849	21	BM		
S-58/S-59	N EOS / S EOS	6/16/2014	2:00 PM	68	JD	92	11.0	850	850	319	CS	DF-21	
S-13/S-60	N EOS / S EOS	6/16/2014	2:06 PM	66	JT	94	11.0	850	849	23	BM		
S-14/S-60	N EOS / 10' S	6/16/2014	2:09 PM	66	JT	94	11.0	850	850	10	BM		
S-14/S-60	10' S / S EOS	6/16/2014	Failed Seam										Seam Capped
S-15/S-56	N EOS / S EOS	6/16/2014	2:15 PM	66	JT	94	11.0	850	848	22	BM		
S-16/S-56	N EOS / S EOS	6/16/2014	2:19 PM	66	JT	94	11.0	850	849	23	BM		
S-61/S-62	W EOS / E EOS	6/18/2014	6:50 AM	62	JD	92	10.0	850	850	305	CS		
S-63/S-64	N EOS / S EOS	6/18/2014	7:50 AM	63	JD	92	10.0	850	850	22.5	AF		
S-12/S-63	S EOS / N EOS	6/18/2014	8:00 AM	62	JD	92	10.0	850	850	16	CS		
S-44/S-63	W EOS / 19' E EOS	6/18/2014	8:02 AM	62	JD	92	10.0	850	850	19	CS		
S-44/S-63	19' E / E EOS	6/18/2014	Failed Seam										Seam Capped
S-43/S-63	N EOS / S EOS	6/18/2014	Failed Seam										Seam Capped
S-45/S-63	N EOS / S EOS	6/18/2014	Failed Seam										Seam Capped
S-62/S-64	S EOS / N EOS	6/18/2014	8:18 AM	62	JT	94	10.0	850	850	98	AF		
S-62/S-63	S EOS / N EOS	6/18/2014	8:05 AM	62	JT	94	10.0	850	850	188	AF		
S-60/S-63	N EOS / S EOS	6/18/2014	8:13 AM	62	JD	92	10.0	850	850	5	CS		
S-60/S-62	N EOS / S EOS	6/18/2014	8:15 AM	62	JD	92	10.0	850	850	25	CS		
S-61/S-65	W EOS / E EOS	6/18/2014	8:22 AM	62	JD	92	10.0	850	850	300	CS	DF-22	
S-58/S-61	W EOS / E EOS	6/18/2014	9:10 AM	62	JD	92	10.0	850	850	22	CS		
S-59/S-61	W EOS / E EOS	6/18/2014	9:14 AM	62	JD	92	10.0	850	850	4	CS		
S-65/S-66	S EOS / N EOS	6/18/2014	9:18 AM	62	JT	94	10.0	850	850	153	AF	DF-23	
S-65/S-67	W EOS / E EOS	6/18/2014	9:40 AM	62	JD	92	10.0	850	850	151	CS		
S-66/S-67	W EOS / E EOS	6/18/2014	9:56 AM	62	JD	92	10.0	850	850	150	CS	DF-24	
S-67/S-68	W EOS / E EOS	6/18/2014	10:20 AM	63	JT	94	10.0	850	850	152	AF		
S-67/S-69	W EOS / E EOS	6/18/2014	10:36 AM	62	JD	92	10.0	850	850	150	CS		
S-68/S-69	W EOS / E EOS	6/18/2014	10:52 AM	62	JD	92	10.0	850	850	152	CS		
S-69/S-70	W EOS / E EOS	6/18/2014	11:10 AM	65	JT	94	10.0	850	850	323	AF	DF-25	
S-59/S-69	N EOS / S EOS	6/18/2014	11:32 AM	62	JD	92	10.0	850	850	26	CS		
S-59/S-70	N EOS / S EOS	6/18/2014	11:35 AM	62	JD	92	10.0	850	850	22.5	CS	DF-26	
S-70/S-71	W EOS / E EOS	6/18/2014	11:44 AM	62	JD	92	10.0	850	850	294	CS		
S-71/S-72	W EOS / 292' E	6/18/2014	1:55 PM	70	JT	94	10.0	850	850	292	AF		Welded downslope
S-71/S-72	E EOS / 28' W	6/18/2014	2:30 PM	72	JT	94	10.0	850	850	28	AF	DF-27	Welded upslope
S-59/S-71	N EOS / S EOS	6/18/2014	2:00 PM	73	JD	92	10.0	850	850	22	CS		
S-72/S-73	E EOS / W EOS	6/19/2014	7:30 AM	53	JT	94	10.0	850	850	158	AF		
S-72/S-74	W EOS / E EOS	6/19/2014	8:00 AM	54	JT	94	10.0	850	850	158	AF		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-73/S-74	W EOS / E EOS	6/19/2014	8:30 AM	54	JT	94	10.0	850	850	152	AF		
S-43/S-64	W EOS / E EOS	6/19/2014	8:00 AM	56	JD	92	10.0	850	850	46	CS		
S-42/S-64	W EOS / E EOS	6/19/2014	8:04 AM	56	JD	92	10.0	850	850	60	CS		
S-41/S-62	W EOS / E EOS	6/19/2014	8:11 AM	56	JD	92	10.0	850	850	55	CS	DF-28	
S-40/S-62	W EOS / E EOS	6/19/2014	8:20 AM	58	JD	92	10.0	850	850	45	CS		
S-74/S-75	W EOS / E EOS	6/19/2014	8:50 AM	59	JD	92	10.0	850	850	267	CS		
S-59/S-74	N EOS / S EOS	6/19/2014	9:05 AM	58	JT	94	10.0	850	850	22.5	AF	DF-29	
S-75/S-76	W EOS / E EOS	6/19/2014	9:30 AM	59	JT	94	10.0	850	850	114	AF		
S-75/S-77	W EOS / E EOS	6/19/2014	9:53 AM	63	JD	92	10.0	850	850	116	CS		
S-59/S-75	N EOS / S EOS	6/19/2014	10:00 AM	60	JT	94	10.0	850	850	4	AF		
S-59/S-77	N EOS / S EOS	6/19/2014	10:00 AM	61	JT	94	10.0	850	850	22.5	AF		
S-76/S-77	W EOS / E EOS	6/19/2014	10:00 AM	63	JD	92	10.0	850	850	96	CS	DF-30	
S-78/S-79	N EOS / S EOS	6/19/2014	10:45 AM	63	JD	92	10.0	850	850	22.5	CS		
S-77/S-79	W EOS / E EOS	6/19/2014	10:53 AM	63	JD	92	10.0	850	850	51	CS		
S-77/S-78	W EOS / E EOS	6/19/2014	11:00 AM	63	JD	92	10.0	850	850	134	CS		
S-59/S-79	N EOS / S EOS	6/19/2014	11:05 AM	62	JT	94	10.0	850	850	22.5	AF		
S-79/S-80	W EOS / E EOS	6/19/2014	11:23 AM	63	JD	92	10.0	850	850	51	CS		
S-78/S-80	W EOS / E EOS	6/19/2014	11:30 AM	63	JD	92	10.0	850	850	108	CS		
S-80/S-82	W EOS / E EOS	6/19/2014	12:00 PM	63	JT	94	10.0	850	850	85	AF		
S-81/S-82	N EOS / S EOS	6/19/2014	12:00 PM	63	JD	92	10.0	850	850	22.5	CS	DF-31	
S-80/S-81	W EOS / E EOS	6/19/2014	12:09 PM	63	JT	94	10.0	850	850	50	AF		
S-59/S-80	N EOS / S EOS	6/19/2014	1:10 PM	63	JT	94	10.0	850	850	22.5	AF		
S-59/S-82	N EOS / S EOS	6/19/2014	1:13 PM	64	JT	94	10.0	850	850	22.5	AF		
S-83/S-84	N EOS / S EOS	6/19/2014	1:30 PM	66	JT	94	10.0	850	850	22.5	AF		
S-82/S-84	W EOS / E EOS	6/19/2014	1:33 PM	66	JD	92	10.0	850	850	45	CS		
S-82/S-83	W EOS / E EOS	6/19/2014	1:38 PM	66	JD	92	10.0	850	850	39	CS		
S-81/S-83	W EOS / E EOS	6/19/2014	1:43 PM	66	JD	92	10.0	850	850	26	CS		
S-59/S-84	N EOS / S EOS	6/19/2014	1:53 PM	66	JD	92	10.0	850	850	22.5	CS		
S-84/S-85	W EOS / E EOS	6/19/2014	2:35 PM	69	JT	94	10.0	850	850	45	AF		
S-83/S-85	W EOS / E EOS	6/19/2014	2:40 PM	69	JT	94	10.0	850	850	39	AF		
S-86/S-87	N EOS / S EOS	6/19/2014	2:50 PM	70	JT	94	10.0	850	850	22.5	AF	DF-32	
S-85/S-87	W EOS / E EOS	6/19/2014	2:58 PM	70	JT	94	10.0	850	850	11	AF		
S-85/S-86	W EOS / E EOS	6/19/2014	2:59 PM	70	JT	94	10.0	850	850	46	AF		
S-87/S-88	W EOS / E EOS	6/19/2014	3:08 PM	70	JT	94	10.0	850	850	12	AF		
S-86/S-88	W EOS / E EOS	6/19/2014	3:11 PM	70	JT	94	10.0	850	850	11	AF		
S-59/S-85	N EOS / S EOS	6/19/2014	3:15 PM	70	JT	94	10.0	850	850	22.5	AF		
S-59/S-87	N EOS / S EOS	6/19/2014	3:17 PM	70	JT	94	10.0	850	850	22.5	AF		
S-59/S-88	N EOS / S EOS	6/19/2014	3:18 PM	70	JT	94	10.0	850	850	68	AF		
S-88/S-89	N EOS / S EOS	6/19/2014	4:30 PM	73	JD	92	10.0	850	850	68	CS		
S-89/S-90	N EOS / S EOS	6/19/2014	4:45 PM	73	JD	92	10.0	850	850	81	CS		
S-91/S-92	S EOS / N EOS	6/20/2014	7:00 AM	59	JD	92	10.0	850	852	112	AF		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-91/S-93	W EOS / E EOS	6/20/2014	7:16 AM	59	JD	92	10.0	850	850	19	AF		
S-92/S-93	N EOS / S EOS	6/20/2014	7:24 AM	59	JD	92	10.0	850	850	22.5	AF		
S-90/S-91	S EOS / N EOS	6/20/2014	7:25 AM	59	JT	94	10.0	850	852	110	AF	DF-33	
S-94/S-95	W EOS / E EOS	6/20/2014	7:35 AM	60	JD	92	10.0	850	850	22.5	AF		
S-92/S-94	S EOS / N EOS	6/20/2014	7:47 AM	60	JT	94	10.0	850	850	146	AF		
S-92/S-95	N EOS / S EOS	6/20/2014	7:50 AM	60	JD	92	10.0	850	850	18	AF		
S-94/S-96	S EOS / N EOS	6/20/2014	8:00 AM	60	JD	92	10.0	850	850	145	CS	DF-34	
S-95/S-96	S EOS / N EOS	6/20/2014	8:20 AM	62	JD	92	10.0	850	850	46	CS		
S-96/S-97	S EOS / N EOS	6/20/2014	8:35 AM	62	JT	94	10.0	850	850	217	AF		
S-97/S-99	S EOS / N EOS	6/20/2014	9:20 AM	62	JD	92	10.0	850	850	240	CS		
S-98/S-99	W EOS / E EOS	6/20/2014	9:30 AM	68	JT	94	10.0	850	855	22.5	AF		
S-99/S-100	S EOS / N EOS	6/20/2014	10:15 AM	69	JT	94	10.0	850	850	243	AF	DF-35	
S-98/S-100	S EOS / N EOS	6/20/2014	10:56 AM	69	JT	94	10.0	850	850	30	AF		
S-100/S-102	S EOS / N EOS	6/20/2014	10:57 AM	69	JD	92	10.0	850	850	284	CS	DF-36	
S-101/S-102	W EOS / E EOS	6/20/2014	11:10 AM	69	JT	94	10.0	850	850	22.5	AF		
S-100/S-101	W EOS / E EOS	6/20/2014	11:15 AM	69	JT	94	10.0	850	850	16	AF		
S-102/S-103	S EOS / N EOS	6/20/2014	11:40 AM	70	JT	94	10.0	850	850	283	AF	DF-37	
S-101/S-103	S EOS / N EOS	6/20/2014	12:15 PM	70	JT	94	10.0	850	850	29	AF		
S-103/S-104	S EOS / N EOS	6/20/2014	1:45 PM	73	JD	92	10.0	850	850	304	CS	DF-38	
S-104/S-105	S EOS / N EOS	6/20/2014	2:15 PM	73	JD	92	10.0	850	850	305	CS		
S-105/S-106	S EOS / 20' N	6/21/2014	8:15 AM	Failed Seam									Seam Capped
S-105/S-106	20' N / N EOS	6/21/2014	8:25 AM	57	JT	94	10.0	850	850	285	AF		
S-74/S-101	E EOS / W EOS	6/21/2014	8:30 AM	60	JD	92	10.0	850	850	29	CS		
S-75/S-101	E EOS / W EOS	6/21/2014	8:33 AM	60	JD	92	10.0	850	850	6	CS		
S-75/S-100	E EOS / W EOS	6/21/2014	8:34 AM	60	JD	92	10.0	850	850	35	CS	DF-39	
S-106/S-108	W EOS / E EOS	6/21/2014	9:00 AM	62	JT	94	10.0	850	850	22.5	AF		
S-105/S-108	S EOS / N EOS	6/21/2014	9:13 AM	62	JT	94	10.0	850	850	15	AF		
S-76/S-98	E EOS / W EOS	6/21/2014	9:18 AM	60	JD	92	10.0	850	850	24	CS		
S-77/S-98	E EOS / W EOS	6/21/2014	9:21 AM	60	JD	92	10.0	850	850	7	CS		Seam Capped
S-77/S-97	E EOS / W EOS	6/21/2014	9:23 AM	60	JD	92	10.0	850	850	25	CS		
S-106/S-107	S EOS / N EOS	6/21/2014	9:30 AM	62	JT	94	10.0	850	850	312	AF	DF-40	
S-78/S-97	E EOS / W EOS	6/21/2014	9:31 AM	60	JD	92	10.0	850	850	10	CS		
S-78/S-96	E EOS / W EOS	6/21/2014	9:33 AM	60	JD	92	10.0	850	850	23	CS		
S-80/S-96	E EOS / W EOS	6/21/2014	9:36 AM	63	JD	92	10.0	850	850	11	CS		
S-80/S-95	E EOS / W EOS	6/21/2014	9:38 AM	63	JD	92	10.0	850	850	20	CS		
S-81/S-95	E EOS / W EOS	6/21/2014	9:50 AM	63	JD	92	10.0	850	850	11	CS		
S-81/S-92	E EOS / W EOS	6/21/2014	9:52 AM	63	JD	92	10.0	850	850	20	CS		
S-83/S-92	E EOS / W EOS	6/21/2014	9:55 AM	63	JD	92	10.0	850	850	16	CS		
S-83/S-93	E EOS / W EOS	6/21/2014	9:56 AM	63	JD	92	10.0	850	850	18	CS		
S-85/S-93	E EOS / W EOS	6/21/2014	9:57 AM	63	JD	92	10.0	850	850	4	CS		Seam Capped
S-85/S-91	E EOS / W EOS	6/21/2014	10:03 AM	65	JD	92	10.0	850	850	11	CS		

Acronyms:
EOS-End of Seam
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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-85/S-90	E EOS / W EOS	6/21/2014	10:05 AM	65	JD	92	10.0	850	850	17	CS		
S-86/S-90	E EOS / W EOS	6/21/2014	10:07 AM	65	JD	92	10.0	850	850	15	CS		
S-107/S-108	S EOS / N EOS	6/21/2014	10:10 AM	63	JT	94	10.0	850	850	5	AF		Seam Capped
S-86/S-89	E EOS / W EOS	6/21/2014	10:19 AM	65	JD	92	10.0	850	850	25	CS		
S-107/S-109	S EOS / N EOS	6/21/2014	10:35 AM	65	JD	92	10.0	850	850	274	AF	DF-41	
S-109/S-110	S EOS / N EOS	6/21/2014	11:20 AM	66	JD	92	10.0	850	850	237	AF		
S-110/S-111	S EOS / N EOS	6/21/2014	12:45 PM	71	JT	93	10.0	850	850	199	AF	DF-42	
S-112/S-113	S EOS / N EOS	6/21/2014	1:15 PM	71	JD	92	10.0	850	850	118	AF		
S-111/S-112	S EOS / N EOS	6/21/2014	1:18 PM	71	JT	93	10.0	850	850	158	AF		
S-113/S-114	S EOS / N EOS	6/21/2014	1:38 PM	72	JD	92	10.0	850	850	83	AF	DF-43	
S-114/S-115	S EOS / N EOS	6/21/2014	2:20 PM	70	JD	92	10.0	850	850	50	AF		
S-115/S-116	S EOS / N EOS	6/21/2014	2:40 PM	70	JD	92	10.0	850	850	5	AF		
S-117/S-118	E EOS / W EOS	6/21/2014	3:15 PM	69	JD	92	10.0	850	850	19	AF		
S-115/S-118	N EOS / S EOS	6/21/2014	3:22 PM	69	JD	92	10.0	850	850	31	AF		
S-115/S-117	N EOS / S EOS	6/21/2014	3:30 PM	68	JD	92	10.0	850	850	17	AF		
S-116/S-117	N EOS / S EOS	6/21/2014	3:34 PM	68	JD	92	10.0	850	850	4	AF		
S-118/S-119	E EOS / W EOS	6/23/2014	6:47 AM	55	JD	92	10.0	850	850	41	CS		
S-119/S-120	E EOS / W EOS	6/23/2014	6:55 AM	55	JD	92	10.0	850	850	70	CS		
S-120/S-121	W EOS / E EOS	6/23/2014	7:10 AM	55	JD	92	10.0	850	850	90	CS		
S-121/S-122	E EOS / W EOS	6/23/2014	7:23 AM	55	JD	92	10.0	850	850	123	CS	DF-44	
S-122/S-123	E EOS / W EOS	6/23/2014	7:35 AM	55	JT	93	10.5	850	850	147	AF		
S-123/S-124	E EOS / W EOS	6/23/2014	8:00 AM	57	JT	93	10.5	850	850	175	AF		
S-112/S-122	N EOS / S EOS	6/23/2014	8:02 AM	61	JD	92	10.0	850	850	29	CS		
S-113/S-121	N EOS / S EOS	6/23/2014	8:05 AM	61	JD	92	10.0	850	850	31	CS		
S-113/S-120	N EOS / S EOS	6/23/2014	8:09 AM	61	JD	92	10.0	850	850	15	CS		
S-114/S-120	N EOS / S EOS	6/23/2014	8:12 AM	61	JD	92	10.0	850	850	12	CS		
S-114/S-119	N EOS / S EOS	6/23/2014	8:16 AM	61	JD	92	10.0	850	850	30	CS		
S-124/S-125	E EOS / W EOS	6/23/2014	8:30 AM	57	JT	93	10.5	850	850	195	AF	DF-45	
S-125/S-126	E EOS / W EOS	6/23/2014	8:50 AM	63	JD	92	10.0	850	850	234	CS		
S-126/S-127	E EOS / W EOS	6/23/2014	9:30 AM	57	JT	93	10.5	850	850	245	AF		
S-109/S-126	N EOS / S EOS	6/23/2014	9:39 AM	65	JD	92	10.0	850	850	15	CS		
S-110/S-126	N EOS / S EOS	6/23/2014	9:41 AM	65	JD	92	10.0	850	850	16	CS		
S-110/S-125	N EOS / S EOS	6/23/2014	9:43 AM	65	JD	92	10.0	850	850	31	CS		
S-111/S-124	N EOS / S EOS	6/23/2014	9:48 AM	65	JD	92	10.0	850	850	30	CS		
S-111/S-123	N EOS / S EOS	6/23/2014	9:50 AM	65	JD	92	10.0	850	850	15	CS		
S-112/S-123	N EOS / S EOS	6/23/2014	9:52 AM	65	JD	92	10.0	850	850	14	CS	DF-46	
S-127/S-128	E EOS / W EOS	6/23/2014	10:10 AM	60	JT	93	10.5	850	850	275	AF	DF-47	
S-109/S-127	N EOS / S EOS	6/23/2014	10:20 AM	66	JD	92	10.0	850	850	30	CS		
S-128/S-129	E EOS / W EOS	6/23/2014	11:00 AM	64	JT	93	10.5	850	850	297	AF	DF-48	
S-107/S-128	N EOS / S EOS	6/23/2014	11:00 AM	68	JD	92	10.0	850	850	30	CS		
S-129/S-130	E EOS / W EOS	6/23/2014	11:15 AM	65	JD	92	10.0	850	850	318	CS		

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-1/S-131	E EOS / 26' W	6/25/2014	7:15 AM	56	JD	92	10.0	850	850	26	CS		Note machine change
S-1/S-131	26' W / W EOS	6/25/2014	7:30 AM	56	JT	93	10.5	850	850	293	AF		Note machine change
S-131/S-132	E EOS / W EOS	6/25/2014	7:54 AM	58	JD	92	10.0	850	850	319	CS	DF-49	
S-132/S-133	W EOS / E EOS	6/25/2014	8:30 AM	66	JT	93	10.5	850	850	321	AF	DF-50	
S-133/S-134	W EOS / E EOS	6/25/2014	9:05 AM	71	JD	92	10.0	850	850	317	CS	DF-51	
S-134/S-135	E EOS / W EOS	6/25/2014	10:05 AM	68	JT	93	10.5	850	850	153	AF		
S-135/S-136	W EOS / E EOS	6/25/2014	10:25 AM	73	JD	92	10.0	850	850	155	CS		
S-134/S-136	W EOS / E EOS	6/25/2014	10:45 AM	73	JD	92	10.0	850	850	165	CS		
S-136/S-137	W EOS / E EOS	6/25/2014	11:00 AM	74	JT	93	10.5	850	850	321	AF	DF-52	
S-137/S-138	W EOS / 4' E	6/25/2014	11:33 AM	75	JD	92	10.0	850	850	4	CS		Note machine change
S-137/S-138	4' E / E EOS	6/25/2014	11:45 AM	75	JT	93	10.5	850	850	316	AF		Note machine change
S-138/S-139	W EOS / E EOS	6/26/2014	1:10 PM	77	JD	92	10.0	850	850	148	CS	DF-53	
S-139/S-140	W EOS / E EOS	6/26/2014	1:15 PM	77	JT	93	10.5	850	850	148	AF	DF-54	
S-138/S-140	W EOS / E EOS	6/26/2014	1:40 PM	77	JT	93	10.5	850	850	150	AF		
S-140/S-141	W EOS / E EOS	6/26/2014	1:43 PM	77	JD	92	10.0	850	850	316	CS		
S-141/S-142	W EOS / E EOS	6/26/2014	2:30 PM	76	JT	93	10.5	850	850	318	AF	DF-55	
S-142/S-143	W EOS / E EOS	6/26/2014	2:57 PM	77	JD	92	10.0	850	850	317	CS	DF-56	
S-143/S-144	W EOS / E EOS	6/26/2014	3:28 PM	76	JT	93	10.5	850	850	317	AF		
S-144/S-145	W EOS / E EOS	6/26/2014	3:55 PM	77	JD	92	10.0	850	850	316	CS	DF-57	
S-130/S-146	E EOS / W EOS	6/27/2014	6:52 AM	62	JD	92	10.0	850	850	301	CS		
S-146/S-147	E EOS / W EOS	6/27/2014	7:10 AM	56	JT	93	10.5	850	850	302	AF	DF-58	
S-147/S-148	E EOS / W EOS	6/27/2014	8:05 AM	57	JD	92	10.0	850	850	307	CS	DF-59	
S-147/S-160	N EOS / S EOS	6/27/2014	Failed Seam										Seam Capped
S-148/S-149	E EOS / W EOS	6/27/2014	8:30 AM	58	JT	93	10.5	850	850	315	AF	DF-60	
S-148/S-161	N EOS / S EOS	6/27/2014	Failed Seam										Seam Capped
S-149/S-150	E EOS / W EOS	6/27/2014	9:00 AM	63	JD	92	10.0	850	850	314	CS		
S-152/S-153	N EOS / S EOS	6/27/2014	10:51 AM	69	JD	92	10.0	850	850	149	CS	DF-61	
S-153/S-154	N EOS / S EOS	6/27/2014	11:15 AM	64	JT	93	10.5	850	850	119	AF		
S-105/S-152	W EOS / E EOS	6/27/2014	11:19 AM	69	JD	92	10.0	850	850	22.5	CS		
S-103/S-153	W EOS / E EOS	6/27/2014	Failed Seam										Seam Capped
S-105/S-153	W EOS / E EOS	6/27/2014	Failed Seam										Seam Capped
S-104/S-153	W EOS / E EOS	6/27/2014	11:33 AM	69	JD	92	10.0	850	850	22.5	CS		
S-154/S-155	E EOS / W EOS	6/27/2014	11:40 AM	66	JT	93	10.0	850	850	22.5	AF		
S-152/S-156	S EOS / N EOS	6/27/2014	11:45 AM	69	JD	92	10.0	850	850	71	CS		
S-153/S-155	N EOS / S EOS	6/27/2014	11:45 AM	69	JT	93	10.0	850	850	36	AF		
S-151/S-152	S EOS / N EOS	6/27/2014	11:55 AM	69	JT	93	10.0	850	850	23	AF		
S-108/S-152	W EOS / E EOS	6/27/2014	Failed Seam										Seam Capped
S-108/S-151	W EOS / E EOS	6/27/2014	Failed Seam										Seam Capped
S-155/S-157	N EOS / S EOS	6/27/2014	12:00 PM	69	JD	92	10.0	850	850	23	CS		
S-130/S-151	S EOS / N EOS	6/27/2014	12:00 PM	69	JT	93	10.0	850	850	22.5	AF		
S-157/S-158	N EOS / S EOS	6/27/2014	12:05 PM	69	JD	92	10.0	850	850	23	CS		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-158/S-159	N EOS / S EOS	6/27/2014	12:10 PM	69	JD	92	10.0	850	850	15	CS		
S-146/S-160	S EOS / N EOS	6/27/2014	12:15 PM	68	JT	93	10.0	850	850	22.5	AF		
S-129/S-151	E EOS / W EOS	6/27/2014	Failed Seam										Seam Capped
S-70/S-154	N EOS / S EOS	6/27/2014	12:22 PM	69	JD	92	10.0	850	850	17	CS		
S-71/S-154	N EOS / S EOS	6/27/2014	12:23 PM	69	JD	92	10.0	850	850	25	CS		
S-151/S-160	E EOS / W EOS	6/27/2014	12:25 PM	68	JT	93	10.0	850	850	23	AF		Seam Capped
S-72/S-154	N EOS / S EOS	6/27/2014	12:26 PM	69	JD	92	10.0	850	850	25	CS		
S-73/S-154	N EOS / S EOS	6/27/2014	12:29 PM	69	JD	92	10.0	850	850	16	CS		
S-74/S-154	N EOS / S EOS	6/27/2014	Failed Seam										Seam Capped
S-101/S-154	N EOS / S EOS	6/27/2014	Failed Seam										Seam Capped
S-160/S-161	E EOS / W EOS	6/27/2014	12:30 PM	67	JT	93	10.0	850	850	25	AF		
S-103/S-154	W EOS / E EOS	6/27/2014	12:40 PM	69	JD	92	10.0	850	850	23	CS		
S-147/S-161	S EOS / N EOS	6/27/2014	12:40 PM	67	JT	93	10.0	850	850	22.5	AF		
S-156/S-161	E EOS / W EOS	6/27/2014	12:45 PM	66	JT	93	10.0	850	850	22.5	AF		
S-152/S-160	S EOS / N EOS	6/27/2014	12:50 PM	67	JT	93	10.0	850	850	22.5	AF		
S-69/S-162	N EOS / S EOS	6/27/2014	12:55 PM	69	JD	92	10.0	850	850	14	CS		
S-152/S-161	S EOS / N EOS	6/27/2014	12:56 PM	67	JT	93	10.0	850	850	22.5	AF		
S-70/S-162	N EOS / S EOS	6/27/2014	12:59 PM	69	JD	92	10.0	850	850	8	CS		
S-155/S-162	N EOS / S EOS	6/27/2014	1:03 PM	69	JD	92	10.0	850	850	13	CS		
S-148/S-156	S EOS / N EOS	6/27/2014	1:05 PM	66	JT	93	10.0	850	850	22.5	AF		
S-154/S-162	N EOS / S EOS	6/27/2014	1:07 PM	69	JD	92	10.0	850	850	8	CS		
S-149/S-156	S EOS / N EOS	6/27/2014	1:07 PM	66	JT	93	10.0	850	850	22.5	AF		
S-69/S-163	E EOS / W EOS	6/27/2014	1:10 PM	69	JD	92	10.0	850	850	9	CS		
S-150/S-156	S EOS / N EOS	6/27/2014	1:10 PM	66	JT	93	10.0	850	850	22.5	AF	DF-62	
S-157/S-162	E EOS / W EOS	6/27/2014	1:21 PM	69	JD	92	10.0	850	850	7	CS		Seam Capped
S-69/S-157	E EOS / W EOS	6/27/2014	1:25 PM	69	JD	92	10.0	850	850	17	CS		
S-158/S-163	E EOS / W EOS	6/27/2014	1:27 PM	69	JD	92	10.0	850	850	10	CS		
S-68/S-163	S EOS / N EOS	6/27/2014	1:30 PM	69	JD	92	10.0	850	850	5	CS		Seam Capped
S-108/S-129	N EOS / S EOS	6/27/2014	1:35 PM	66	JT	93	10.0	850	850	13	AF		
S-67/S-159	N EOS / S EOS	6/27/2014	1:38 PM	69	JD	92	10.0	850	850	15	CS		
S-107/S-129	N EOS / S EOS	6/27/2014	1:38 PM	66	JT	93	10.0	850	850	8	AF		
S-68/S-159	N EOS / S EOS	6/27/2014	1:40 PM	69	JD	92	10.0	850	850	5	CS		
S-68/S-158	N EOS / S EOS	6/27/2014	1:42 PM	69	JD	92	10.0	850	850	10	CS	DF-63	Seam Capped
S-145/S-164	W EOS / E EOS	6/28/2014	6:45 AM	48	JD	92	10.0	850	850	314	CS		
S-164/S-165	W EOS / E EOS	6/28/2014	7:15 AM	52	JT	93	10.0	850	850	317	AF		
S-165/S-166	W EOS / E EOS	6/28/2014	7:35 AM	57	JD	92	10.0	850	850	316	CS	DF-64	
S-166/S-167	W EOS / E EOS	6/28/2014	8:00 AM	56	JT	93	10.0	850	850	315	AF	DF-65	
S-167/S-168	W EOS / E EOS	6/28/2014	8:32 AM	55	JD	92	10.0	850	850	313	CS	DF-66	
S-168/S-169	W EOS / E EOS	6/28/2014	9:10 AM	57	JT	93	10.0	850	850	316	AF	DF-67	
S-169/S-170	W EOS / E EOS	6/28/2014	10:15 AM	62	JD	92	10.0	850	850	315	CS		
S-170/S-171	W EOS / E EOS	6/28/2014	10:15 AM	59	JT	93	10.0	850	850	318	AF		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-171/S-172	W EOS / E EOS	6/30/2014	7:00 AM	68	JT	93	10.0	850	850	314	AF	DF-68	
S-172/S-173	W EOS / E EOS	6/30/2014	7:35 AM	73	JD	94	10.0	850	850	317	CS	DF-69	
S-173/S-174	W EOS / E EOS	6/30/2014	8:15 AM	70	JT	93	10.0	850	850	317	AF	DF-70	
S-175/S-176	N EOS / S EOS	6/30/2014	10:50 AM	76	JT	93	10.0	850	850	141	AF		
S-176/S-177	E EOS / W EOS	6/30/2014	10:50 AM	80	JD	94	11.0	850	850	22.5	CS		
S-177/S-178	E EOS / W EOS	6/30/2014	11:00 AM	80	JD	94	11.0	850	850	22.5	CS		
S-175/S-177	N EOS / S EOS	6/30/2014	11:04 AM	77	JT	93	10.0	850	850	125	AF		
S-178/S-179	E EOS / W EOS	6/30/2014	11:10 AM	80	JD	94	11.0	850	850	22.5	CS		
S-175/S-178	N EOS / S EOS	6/30/2014	11:18 AM	78	JT	93	10.0	850	850	39	AF		
S-175/S-179	N EOS / S EOS	6/30/2014	11:22 AM	79	JT	93	10.0	850	850	25	AF		
S-179/S-180	E EOS / W EOS	6/30/2014	11:25 AM	80	JD	94	11.0	850	850	22.5	CS		
S-179/S-181	N EOS / S EOS	6/30/2014	11:33 AM	80	JT	93	10.0	850	850	17	AF		
S-175/S-181	E EOS / W EOS	6/30/2014	11:40 AM	80	JT	93	10.0	850	850	9	AF		
S-176/S-182	N EOS / S EOS	6/30/2014	11:45 AM	80	JD	94	11.0	850	850	92	CS		
S-177/S-182	N EOS / S EOS	6/30/2014	12:00 PM	80	JD	94	11.0	850	850	120	CS		
S-182/S-183	E EOS / W EOS	6/30/2014	12:05 PM	80	JT	93	10.0	850	850	22.5	AF		
S-176/S-183	N EOS / S EOS	6/30/2014	12:10 PM	79	JT	93	10.0	850	850	50	AF		
S-178/S-182	N EOS / S EOS	6/30/2014	12:10 PM	80	JD	94	11.0	850	850	39	CS		
S-179/S-182	N EOS / S EOS	6/30/2014	12:15 PM	80	JD	94	11.0	850	850	42	CS	DF-71	
S-180/S-182	N EOS / S EOS	6/30/2014	12:18 PM	80	JD	94	11.0	850	850	30	CS		
S-133/S-175	N EOS / S EOS	6/30/2014	2:00 PM	80	JT	93	10.0	850	850	22.5	AF		
S-132/S-175	N EOS / S EOS	6/30/2014	2:03 PM	80	JT	93	10.0	850	850	22.5	AF		
S-131/S175	N EOS / S EOS	6/30/2014	2:06 PM	80	JT	93	10.0	850	850	22.5	AF	DF-72	
S-1/S-175	N EOS / S EOS	6/30/2014	2:08 PM	80	JT	93	10.0	850	850	22.5	AF		
S-2/S-175	N EOS / S EOS	6/30/2014	2:11 PM	80	JT	93	10.0	850	850	22.5	AF		
S-3/S-175	N EOS / S EOS	6/30/2014	2:17 PM	80	JT	93	10.0	850	850	22.5	AF		
S-4/S-175	N EOS / S EOS	6/30/2014	2:19 PM	80	JT	93	10.0	850	850	22.5	AF		
S-5/S-175	N EOS / S EOS	6/30/2014	2:37 PM	79	JT	93	10.0	850	850	22.5	AF		
S-6/S-175	N EOS / S EOS	6/30/2014	2:40 PM	80	JT	93	10.0	850	850	22.5	AF		
S-7/S-175	N EOS / S EOS	6/30/2014	2:43 PM	79	JT	93	10.0	850	850	22.5	AF		
S-8/S-175	N EOS / 17' S	6/30/2014	2:45 PM	80	JT	93	10.0	850	850	17	AF		Split seam due to wrinkle
S-8/S-175	17' S / S EOS	6/30/2014	2:50 PM	79	JT	93	10.0	850	850	5.5	AF		Split seam due to wrinkle
S-9/S-175	N EOS / S EOS	6/30/2014	2:51 PM	79	JT	93	10.0	850	850	22.5	AF		
S-10/S-175	N EOS / 12' S	6/30/2014	2:53 PM	79	JT	93	10.0	850	850	12	AF		Split seam due to wrinkle
S-10/S-175	12' S / S EOS	6/30/2014	3:10 PM	79	JT	93	10.0	850	850	10.5	AF		Split seam due to wrinkle
S-11/S-175	N EOS / S EOS	6/30/2014	3:11 PM	79	JT	93	10.0	850	850	21	AF		
S-61/S-175	N EOS / S EOS	6/30/2014	3:18 PM	79	JT	93	10.0	850	850	19	AF		
S-61/S-181	N EOS / S EOS	6/30/2014	3:20 PM	78	JT	93	10.0	850	850	4	AF		Seam Capped
S-65/S-181	N EOS / S EOS	6/30/2014	3:21 PM	78	JT	93	10.0	850	850	16	AF		
S-65/S-180	N EOS / S EOS	6/30/2014	3:23 PM	78	JT	93	10.0	850	850	7	AF		
S-66/S-180	N EOS / S EOS	6/30/2014	3:24 PM	78	JT	93	10.0	850	850	22	AF		

Acronyms:
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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-158/S-182	E EOS / W EOS	6/30/2014	3:30 PM	77	JT	93	10.0	850	850	8	AF		
S-159/S-182	E EOS / W EOS	6/30/2014	3:31 PM	77	JT	93	10.0	850	850	14.5	AF		
S-67/S-180	E EOS / W EOS	6/30/2014	3:34 PM	77	JT	93	10.0	850	850	11	AF		
S-184/S-185	E EOS / W EOS	7/2/2014	7:00 AM	46	JT	93	10.0	850	850	22.5	AF		
S-183/S-184	N EOS / 27' S	7/2/2014	7:05 AM	46	JT	93	10.0	850	850	27	AF		Note machine change
S-183/S-184	27' S / S EOS	7/3/2014	8:39 AM	67	JD	94	10.0	850	850	44	AF		Note machine change
S-182/S-184	N EOS / S EOS	7/2/2014	7:10 AM	46	JT	93	10.0	850	850	6	AF		
S-182/S-185	N EOS / S EOS	7/2/2014	7:11 AM	47	JT	93	10.0	850	850	320	AF	DF-73	
S-157/S-185	E EOS / W EOS	7/2/2014	8:00 AM	47	JT	93	10.0	850	850	12	AF		
S-158/S-185	E EOS / W EOS	7/2/2014	8:02 AM	48	JT	93	10.0	850	850	10.5	AF		
S-150/S-186	E EOS / W EOS	7/2/2014	8:05 AM	49	JD	94	10.0	850	850	307	CS		
S-186/S-187	E EOS / W EOS	7/2/2014	8:30 AM	50	JT	93	10.0	850	850	317	AF	DF-74	
S-187/S-188	E EOS / W EOS	7/2/2014	8:55 AM	49	JD	94	10.0	850	850	317	CS	DF-75	
S-188/S-189	E EOS / W EOS	7/2/2014	9:25 AM	48	JT	93	10.0	850	850	317	AF		
S-189/S-190	E EOS / W EOS	7/2/2014	9:56 AM	49	JD	94	10.0	850	850	317	CS		
S-190/S-191	E EOS / W EOS	7/2/2014	10:30 AM	49	JT	93	10.0	850	850	315	AF	DF-76	
S-191/S-192	E EOS / W EOS	7/2/2014	11:05 AM	55	JD	94	10.0	850	850	316	CS	DF-77	
S-192/S-193	E EOS / W EOS	7/2/2014	11:35 AM	58	JT	93	10.0	850	850	318	AF	DF-78	
S-156/S-194	E EOS / W EOS	7/2/2014	2:00 PM	64	JT	93	10.0	850	850	22.5	AF		
S-152/S-194	E EOS / W EOS	7/2/2014	2:03 PM	64	JT	93	10.0	850	850	22.5	AF		
S-153/S-194	E EOS / W EOS	7/2/2014	2:07 PM	64	JT	93	10.0	850	850	22.5	AF		
S-155/S-194	E EOS / W EOS	7/2/2014	2:09 PM	64	JT	93	10.0	850	850	22.5	AF		
S-157/S-194	E EOS / W EOS	7/2/2014	2:12 PM	65	JT	93	10.0	850	850	12.5	AF		
S-194/S-195	E EOS / W EOS	7/2/2014	2:15 PM	66	JT	93	10.0	850	850	104	AF		
S-185/S-195	N EOS / S EOS	7/2/2014	2:35 PM	67	JT	93	10.0	850	850	22.5	AF		
S-185/S-194	N EOS / S EOS	7/2/2014	2:37 PM	68	JT	93	10.0	850	850	22.5	AF		
S-186/S-194	S EOS / N EOS	7/2/2014	2:53 PM	70	JT	93	10.0	850	850	22.5	AF		
S-187/S-195	S EOS / N EOS	7/2/2014	2:55 PM	70	JT	93	10.0	850	850	22.5	AF		
S-174/S-196	W EOS / E EOS	7/2/2014	3:00 PM	67	JD	94	10.0	850	850	314	CS	DF-79	
S-196/S-197	W EOS / E EOS	7/2/2014	3:55 PM	62	JD	94	10.0	850	850	318	CS		Includes 196A/197A
S-197/S-198	W EOS / E EOS	7/2/2014	4:30 PM	62	JT	93	10.0	850	850	317	AF	DF-80	Includes 197A/198A
S-198/S-199	W EOS / E EOS	7/2/2014	5:05 PM	58	JD	94	10.0	850	850	313	CS	DF-81	Includes 198A/199A
S-200/S-201	N EOS / S EOS	7/3/2014	7:30 AM	63	JD	94	10.0	850	850	70	AF		
S-183/S-202	E EOS / W EOS	7/3/2014	7:40 AM	64	JD	94	10.0	850	850	22.5	AF		
S-201/S-202	N EOS / S EOS	7/3/2014	7:44 AM	64	JD	94	10.0	850	850	105	AF		
S-183/S-201	N EOS / S EOS	7/3/2014	7:58 AM	65	JD	94	10.0	850	850	27	AF		
S-184/S-203	E EOS / W EOS	7/3/2014	8:07 AM	65	JD	94	10.0	850	850	22.5	AF		
S-203/S-204	E EOS / W EOS	7/3/2014	8:15 AM	65	JD	94	10.0	850	850	22.5	AF	DF-82	
S-202/S-204	N EOS / S EOS	7/3/2014	8:20 AM	66	JD	94	10.0	850	850	117	AF		
S-202/S-203	N EOS / S EOS	7/3/2014	8:33 AM	67	JD	94	10.0	850	850	35	AF		
S-183/S-203	N EOS / S EOS	7/3/2014	8:38 AM	67	JD	94	10.0	850	850	5	AF		Seam Capped

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-176/S-201	E EOS / W EOS	7/3/2014	9:00 AM	68	JD	94	10.0	850	850	22.5	AF		
S-175/S-200	E EOS / W EOS	7/3/2014	9:03 AM	68	JD	94	10.0	850	850	22.5	AF		
S-167/S-204	N EOS / S EOS	7/3/2014	9:21 AM	68	JD	94	10.0	850	850	14.5	AF		
S-166/S-204	N EOS / S EOS	7/3/2014	9:25 AM	68	JD	94	10.0	850	850	22	AF		Seam Capped
S-165/S-204	N EOS / S EOS	7/3/2014	9:27 AM	68	JD	94	10.0	850	850	23	AF		
S-164/S-204	N EOS / S EOS	7/3/2014	Failed Seam										Seam Capped
S-164/S-202	N EOS / S EOS	7/3/2014	9:33 AM	68	JD	94	10.0	850	850	11	AF		Seam Capped
S-145/S-202	N EOS / S EOS	7/3/2014	9:34 AM	68	JD	94	10.0	850	850	22	AF		
S-144/S-202	N EOS / S EOS	7/3/2014	9:36 AM	68	JD	94	10.0	850	850	18.5	AF		
S-144/S-201	N EOS / S EOS	7/3/2014	9:38 AM	68	JD	94	10.0	850	850	4.5	AF		
S-143/S-201	N EOS / S EOS	7/3/2014	9:39 AM	68	JD	94	10.0	850	850	22	AF		Seam Capped
S-142/S-201	N EOS / S EOS	7/3/2014	9:41 AM	68	JD	94	10.0	850	850	23	AF		
S-141/S-201	N EOS / S EOS	7/3/2014	9:44 AM	68	JD	94	10.0	850	850	16.5	AF		
S-141/S-200	N EOS / S EOS	7/3/2014	9:46 AM	68	JD	94	10.0	850	850	7	AF		Seam Capped
S-140/S-200	N EOS / S EOS	7/3/2014	9:47 AM	68	JD	94	10.0	850	850	24	AF		
S-137/S-200	N EOS / S EOS	7/3/2014	9:55 AM	69	JD	94	10.0	850	850	22.5	AF	DF-83	
S-136/S-200	N EOS / S EOS	7/3/2014	9:57 AM	69	JD	94	10.0	850	850	22	AF		
S-193/S-205	E EOS / 280' W	7/10/2014	9:09 AM	70	JD	94	10.0	850	850	280	AF		Welding started 7/10
S-193/S-205	280' W / W EOS	7/24/2014	9:50 AM	71	JD	92	10.5	850	850	21	CS		Welding completed 7/24
S-205/S-206	E EOS / 280' W	7/10/2014	9:50 AM	70	JT	93	10.0	850	850	280	CS	DF-84	Welding started 7/10
S-205/S-206	280' W / W EOS	7/24/2014	10:00 AM	68	JT	93	10.0	850	849	24	BM		Welding completed 7/24
S-206/S-207	E EOS / 272' W	7/10/2014	10:03 AM	70	JD	94	10.0	850	850	272	AF	DF-85 (85A & 85B)	Welding started 7/10
S-206/S-207	272' W / W EOS	7/24/2014	10:24 AM	72	JD	92	10.5	850	850	32	CS		Welding completed 7/24
S-207/S-208	E EOS / 269' W	7/10/2014	10:45 AM	68	JT	93	10.0	850	850	269	CS		Welding started 7/10
S-207/S-208	269' W / W EOS	7/24/2014	11:05 AM	75	JD	92	10.5	850	850	34	CS		Welding completed 7/24
S-208/S-209	E EOS / 264' W	7/10/2014	11:11 AM	70	JD	94	10.0	850	850	264	AF		Welding started 7/10
S-208/S-209	264' W / W EOS	7/24/2014	11:18 AM	75	JD	92	10.5	850	850	41	CS		Welding completed 7/24
S-209/S-210	E EOS / 259' W	7/10/2014	11:40 AM	68	JT	93	10.0	850	850	259	CS	DF-86	Welding started 7/10
S-209/S-210	259' W / W EOS	7/24/2014	11:30 AM	75	JD	92	10.5	850	850	46	CS		Welding completed 7/24
S-210/S-211	E EOS / 254' W	7/10/2014	1:13 PM	73	JD	94	10.0	850	850	254	AF	DF-87	Welding started 7/10
S-210/S-211	254' W / W EOS	7/24/2014	11:39 AM	75	JD	92	10.5	850	850	46	CS		Welding completed 7/24
S-211/S-212	E EOS / 248' W	7/10/2014	1:40 PM	70	JT	93	10.0	850	850	248	CS		Welding started 7/10
S-211/S-212	248' W / W EOS	7/24/2014	11:55 AM	75	JD	92	10.5	850	850	47	CS	DF-97	Welding completed 7/24
S-212/S-213	E EOS / 239' W	7/11/2014	8:15 AM	68	JD	92	10.0	850	850	239	CS	DF-88	Welding started 7/10
S-212/S-213	239' W / W EOS	7/24/2014	1:19 PM	75	JD	92	10.5	850	850	50	CS		Welding completed 7/24
S-213/S-214	E EOS / 235' W	7/11/2014	8:45 AM	72	JT	93	10.0	850	850	235	DB	DF-89	Welding started 7/10
S-213/S-214	235' W / W EOS	7/24/2014	1:30 PM	75	JD	92	10.5	850	850	49	CS		Welding completed 7/24
S-214/S-215	E EOS / 230' W	7/11/2014	9:15 AM	71	JD	92	10.0	850	850	230	CS		Welding started 7/10
S-214/S-215	230' W / W EOS	7/24/2014	1:40 PM	75	JD	92	10.5	850	850	60	CS		Welding completed 7/24
S-215/S-216	E EOS / 222' W	7/11/2014	9:35 AM	72	JT	93	10.0	850	850	222	DB		Welding started 7/10
S-215/S-216	222' W / W EOS	7/24/2014	2:10 PM	75	JD	92	10.5	850	850	57	CS		Welding completed 7/24

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-216/S-217	E EOS / 213' W	7/11/2014	9:56 AM	71	JD	92	10.0	850	850	213	CS	DF-90	Welding started 7/10
S-216/S-217	213' W / W EOS	7/24/2014	2:22 PM	75	JD	92	10.5	850	850	63	CS		Welding completed 7/24
S-217/S-218	E EOS / 206' W	7/11/2014	10:20 AM	70	JT	93	10.0	850	851	206	DB	DF-91	Welding started 7/10
S-217/S-218	206' W / W EOS	7/24/2014	2:36 PM	75	JD	92	10.5	850	850	61	CS		Welding completed 7/24
S-218/S-219	E EOS / 202' W	7/11/2014	10:50 AM	71	JD	92	10.0	850	850	202	CS		Welding started 7/10
S-218/S-219	202' W / W EOS	7/24/2014	2:55 PM	75	JD	92	10.5	850	850	64	CS	DF-98	Welding completed 7/24
S-220/S-221	E EOS / W EOS	7/22/2014	11:03 AM	78	JD	92	10.5	850	850	113	BM	DF-93	
S-195/S-220	E EOS / W EOS	7/22/2014	11:05 AM	78	JT	93	10.0	850	852	105	AF	DF-92	
S-221/S-222	E EOS / W EOS	7/22/2014	11:20 AM	79	JT	93	10.0	850	847	92	AF		
S-221/S-223	E EOS / W EOS	7/22/2014	11:34 AM	80	JT	93	10.0	850	852	25	AF		
S-222/S-224	E EOS / W EOS	7/22/2014	11:45 AM	80	JD	92	10.5	850	851	89	BM		
S-222/S-223	N EOS / S EOS	7/22/2014	11:45 AM	80	JT	93	10.0	850	848	22.5	AF		
S-223/S-224	E EOS / W EOS	7/22/2014	12:08 PM	80	JD	92	10.5	850	849	29	BM		
S-185/S-224	N EOS / S EOS	7/22/2014	1:12 PM	81	JD	92	10.5	850	850	22.5	BM		
S-185/S-223	N EOS / S EOS	7/22/2014	1:14 PM	81	JD	92	10.5	850	850	22.5	BM		
S-185/S-221	N EOS / S EOS	7/22/2014	1:16 PM	81	JD	92	10.5	850	850	22.5	BM		
S-185/S-220	N EOS / S EOS	7/22/2014	1:19 PM	81	JD	92	10.5	850	851	22.5	BM		
S-188/S-220	S EOS / N EOS	7/22/2014	1:20 PM	81	JT	93	10.0	850	851	22.5	AF		
S-189/S-221	S EOS / N EOS	7/22/2014	1:23 PM	81	JT	93	10.0	850	849	22.5	AF		
S-190/S-222	S EOS / N EOS	7/22/2014	1:30 PM	81	JT	93	10.0	850	850	22.5	AF		
S-191/S-224	S EOS / N EOS	7/22/2014	1:33 PM	81	JT	93	10.0	850	851	22.5	AF		
S-225/S-226	E EOS / W EOS	7/24/2014	9:10 AM	70	JD	92	10.5	850	850	126	CS		
S-224/S-225	E EOS / W EOS	7/24/2014	9:15 AM	63	JT	93	10.0	850	848	120	BM		
S-205/S-227	S EOS / N EOS	7/24/2014	9:40 AM	63	JT	93	10.0	850	852	22.5	BM		
S-192/S-225	S EOS / N EOS	7/24/2014	9:40 AM	71	JD	92	10.5	850	850	22.5	CS		
S-193/S-226	S EOS / N EOS	7/24/2014	9:42 AM	71	JD	92	10.5	850	850	22.5	CS		
S-206/S-228	S EOS / N EOS	7/24/2014	9:50 AM	63	JT	93	10.0	850	848	22.5	BM	DF-94	
S-226/S-227	E EOS / W EOS	7/24/2014	9:53 AM	71	JD	92	10.5	850	850	127	CS	DF-95	
S-227/S-228	E EOS / W EOS	7/24/2014	10:11 AM	68	JT	93	10.0	850	852	131	BM		
S-207/S-229	S EOS / N EOS	7/24/2014	10:16 AM	71	JD	92	10.5	850	850	23	CS		
S-229/S-230	S EOS / N EOS	7/24/2014	10:25 AM	68	JT	93	10.0	850	849	22.5	BM		
S-228/S-229	E EOS / W EOS	7/24/2014	10:30 AM	72	JD	92	10.5	850	850	56	CS		
S-228/S-230	E EOS / W EOS	7/24/2014	10:35 AM	72	JD	92	10.5	850	850	42	CS		
S-228/S-231	E EOS / W EOS	7/24/2014	10:40 AM	72	JD	92	10.5	850	850	38	CS		
S-230/S-231	N EOS / S EOS	7/24/2014	10:40 AM	68	JT	93	10.0	850	848	22.5	BM		
S-185/S-231	N EOS / S EOS	7/24/2014	11:10 AM	76	JT	93	10.0	850	851	22.5	BM		
S-185/S-228	N EOS / S EOS	7/24/2014	11:13 AM	76	JT	93	10.0	850	851	22.5	BM		
S-185/S-227	N EOS / S EOS	7/24/2014	11:16 AM	76	JT	93	10.0	850	849	22.5	BM		
S-185/S-226	N EOS / S EOS	7/24/2014	11:19 AM	76	JT	93	10.0	850	850	22.5	BM		
S-185/S-225	N EOS / S EOS	7/24/2014	11:22 AM	76	JT	93	10.0	850	852	22.5	BM	DF-96	
S-232/S-233	E EOS / W EOS	7/24/2014	1:50 PM	75	JD	92	10.5	850	850	13	CS		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-229/S-232	E EOS / W EOS	7/24/2014	1:53 PM	75	JD	92	10.5	850	850	18	CS		
S-208/S-232	S EOS / N EOS	7/24/2014	2:00 PM	75	JD	92	10.5	850	850	23	CS		
S-209/S-233	S EOS / N EOS	7/24/2014	2:03 PM	75	JD	92	10.5	850	850	23	CS		
S-208/S-229	E EOS / W EOS	7/24/2014	Failed Seam										Seam Capped
S-205/S-226	E EOS / W EOS	7/24/2014	Failed Seam										Seam Capped
S-199/S-234	W EOS / 279' E	7/26/2014	10:50 AM	82	JD	92	10.5	850	851	279	AF	DF-99	
S-199/S-234	279' E / E EOS	7/26/2014	12:28 PM	78	JD	92	10.5	850	850	31	AF		
S-234/S-235	W EOS / E EOS	7/26/2014	11:20 AM	76	JT	93	10.0	850	848	160	BM		
S-234/S-236	W EOS / E EOS	7/26/2014	11:35 AM	78	JD	92	10.5	850	850	151	AF		
S-235/S-236	W EOS / E EOS	7/26/2014	11:55 AM	78	JD	92	10.5	850	851	156	AF		
S-236/S-237	W EOS / 154' E	7/26/2014	12:10 PM	73	JT	93	10.0	850	853	154	BM		
S-236/S-237	154' E / E EOS	7/26/2014	12:35 PM	78	JD	92	10.5	850	850	163	AF	DF-100	
S-237/S-238	W EOS / 309' E	7/26/2014	12:50 PM	73	JT	93	10.0	850	851	309	BM	DF-101	
S-237/S-238	309' E / E EOS	7/26/2014	1:40 PM	75	JD	92	10.5	850	850	9	AF		
S-235/S-239	N EOS / S EOS	7/26/2014	1:24 PM	77	JD	92	10.5	850	851	21	AF		
S-234/S-239	N EOS / S EOS	7/26/2014	1:28 PM	77	JD	92	10.5	850	850	22.5	AF		
S-199/S-239	E EOS / W EOS	7/26/2014	1:31 PM	76	JD	92	10.5	850	850	14	AF		
S-236/S-239	E EOS / W EOS	7/26/2014	1:36 PM	75	JD	92	10.5	850	851	11.5	AF		
S-238/S-240	W EOS / E EOS	7/27/2014	8:40 AM	73	JD	92	10.5	850	850	315	AF		
S-240/S-241	W EOS / E EOS	7/27/2014	9:00 AM	67	JT	93	10.0	850	848	314	BM	DF-102	
S-241/S-242	W EOS / E EOS	7/27/2014	9:35 AM	74	JD	92	10.5	850	851	317	AF	DF-103	
S-242/S-243	W EOS / E EOS	7/27/2014	11:08 AM	74	JD	92	10.5	850	850	318	AF	DF-104	
S-244/S-245	E EOS / 193' W	7/27/2014	1:55 PM	71	JT	93	10.0	850	849	190	BM		Welding started 7/27
S-244/S-245	193' W / W EOS	8/13/2014	2:45 PM	76	JT	93	11.0	850	850	100	CS		Welding completed 8/13
S-219/S-244	E EOS / 196' W	7/27/2014	1:43 PM	71	JD	92	10.5	850	850	196	AF		Welding started 7/27
S-219/S-244	196' W / W EOS	8/13/2014	2:33 PM	80	JD	94	10.0	850	851	62	AF		Welding completed 8/13
S-245/S-246	E EOS / 183' W	7/27/2014	2:14 PM	72	JD	92	10.5	850	851	183	AF	DF-105	Welding started 7/27
S-245/S-246	183' W / W EOS	8/13/2014	2:50 PM	77	JD	94	10.0	850	850	60	AF	DF-130	Welding completed 8/13
S-246/S-247	E EOS / 175' W	7/27/2014	2:40 PM	67	JT	93	10.0	850	849	175	BM		
S-246/S-247	175' W / 206' W	8/13/2014	3:08 PM	76	JD	94	10.0	850	850	31	AF		
S-246/S-247	206' W / 234' W	8/13/2014	3:20 PM	76	JD	94	10.0	850	850	28	AF		
S-246/S-247	234' W / 298' W	8/19/2014	9:44 AM	64	JD	94	10.0	850	849	63	AF		
S-246/S-247	298' W / 306' W	8/19/2014	10:00 AM	65	JT	93	10.5	850	850	8	CS		
S-246/S-247	306' W / W EOS	8/19/2014	10:01 AM	65	JT	93	10.5	850	850	15	CS		
S-243/S-248	W EOS / E EOS	8/9/2014	9:30 AM	72	JD	92	10.0	850	850	295	AF		
S-248/S-249	W EOS / E EOS	8/9/2014	10:00 AM	71	JT	93	10.5	850	848	268	AF	DF-106	Includes 248A/249A
S-249/S-250	W EOS / E EOS	8/9/2014	10:30 AM	72	JD	92	10.0	850	850	239	CS	DF-107	Includes 249A/250A
S-250/S-251	W EOS / E EOS	8/9/2014	11:05 AM	74	JT	93	10.5	850	849	210	AF		Includes 250A/251A
S-251/S-252	W EOS / E EOS	8/9/2014	11:36 AM	74	JD	92	10.0	850	850	184	CS		Includes 251A/252A
S-252/S-253	W EOS / E EOS	8/9/2014	1:20 PM	76	JD	92	10.0	850	851	155	CS		Includes 252A/253A
S-253/S-254	W EOS / E EOS	8/9/2014	1:45 PM	73	JT	93	10.5	850	851	127	AF	DF-108	Includes 253A/254A

Acronyms:
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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-254/S-255	W EOS / E EOS	8/9/2014	1:56 PM	76	JD	92	10.0	850	850	101	AF	DF-109	Includes 254A/255A
S-255/S-256	W EOS / E EOS	8/9/2014	2:10 PM	75	JT	93	10.5	850	854	72	AF		Includes 255A/256
S-256/S-257	W EOS / E EOS	8/9/2014	2:21 PM	73	JD	92	10.0	850	850	44	CS		
S-259/S-260	N EOS / S EOS	8/9/2014	2:53 PM	73	JD	92	10.0	850	850	50	CS		
S-258/S-259	N EOS / S EOS	8/9/2014	3:11 PM	73	JD	92	10.0	850	850	25	CS		
S-257/S-258	W EOS / E EOS	8/9/2014	3:15 PM	70	JT	93	10.5	850	849	19	AF		
S-260/S-261	N EOS / S EOS	8/9/2014	3:16 PM	73	JD	92	10.0	850	850	70	CS		
S-257/S-259	W EOS / E EOS	8/9/2014	3:21 PM	70	JT	93	10.5	850	851	20	AF		
S-256/S-259	W EOS / E EOS	8/9/2014	3:23 PM	70	JT	93	10.5	850	852	10	AF		
S-256/S-260	W EOS / E EOS	8/9/2014	3:24 PM	70	JT	93	10.5	850	849	29	AF		
S-255A/S-261	W EOS / E EOS	8/9/2014	3:34 PM	69	JT	93	10.5	850	851	29	AF		
S-261/S-262	N EOS / S EOS	8/9/2014	3:49 PM	73	JD	92	10.0	850	850	80	CS		
S-262/S-263	E EOS / W EOS	8/9/2014	4:15 PM	65	JD	92	10.0	850	850	23	CS		
S-261/S-263	N EOS / S EOS	8/9/2014	4:18 PM	65	JT	93	10.5	850	852	10	AF		
S-255A/S-263	W EOS / E EOS	8/9/2014	4:22 PM	64	JT	93	10.5	850	851	9	AF		
S-254A/S-263	W EOS / E EOS	8/9/2014	4:23 PM	64	JT	93	10.5	850	849	20	AF		
S-262/S-264	N EOS / S EOS	8/10/2014	9:42 AM	63	JD	92	10.0	850	850	81	AF		
S-263/S-264	N EOS / S EOS	8/10/2014	9:50 AM	64	JD	92	10.0	850	851	29	AF		
S-264/S-265	N EOS / S EOS	8/10/2014	10:00 AM	64	JT	93	10.0	850	851	131	AF		
S-266/S-267	E EOS / W EOS	8/10/2014	10:25 AM	64	JT	93	10.0	850	850	22.5	DB		
S-265/S-266	N EOS / S EOS	8/10/2014	10:25 AM	64	JD	92	10.0	850	850	138	AF	DF-110	
S-265/S-267	N EOS / S EOS	8/10/2014	10:41 AM	65	JD	92	10.0	850	850	10	AF		
S-266/S-268	N EOS / S EOS	8/10/2014	10:45 AM	63	JT	93	10.0	850	851	141	DB	DF-111	
S-254A/S-264	W EOS / E EOS	8/10/2014	10:56 AM	65	JD	92	10.0	850	851	18	AF		
S-253A/S-264	W EOS / E EOS	8/10/2014	10:58 AM	65	JD	92	10.0	850	850	12	AF		
S-253A/S-265	W EOS / E EOS	8/10/2014	11:00 AM	66	JD	92	10.0	850	852	29	AF		
S-267/S-268	N EOS / S EOS	8/10/2014	11:01 AM	63	JT	93	10.0	850	851	28	DB		
S-252A/S-267	W EOS / E EOS	8/10/2014	11:03 AM	68	JD	92	10.0	850	850	29	AF		
S-268/S-269	W EOS / E EOS	8/10/2014	11:33 AM	64	JD	92	10.0	850	851	22.5	AF		
S-268/S-270	N EOS / S EOS	8/10/2014	11:35 AM	63	JT	93	10.0	850	849	169	DB		
S-269/S-270	N EOS / S EOS	8/10/2014	Failed Seam										Seam Capped
S-252A/S-269	W EOS / E EOS	8/10/2014	11:47 AM	71	JD	92	10.0	850	850	12	AF		
S-251A/S-269	W EOS / E EOS	8/10/2014	11:49 AM	72	JD	92	10.0	850	850	19	AF		
S-251A/S-270	W EOS / E EOS	8/10/2014	11:59 AM	73	JD	92	10.0	850	850	21	AF		
S-250A/S-270	W EOS / E EOS	8/10/2014	12:04 PM	72	JD	92	10.0	850	850	8	AF		
S-270/S-271	N EOS / S EOS	8/10/2014	1:30 PM	65	JT	93	10.5	850	852	98	AF		
S-270/S-272	N EOS / S EOS	8/10/2014	1:40 PM	65	JT	93	10.5	850	849	112	AF	DF-112	
S-271/S-272	E EOS / W EOS	8/10/2014	1:42 PM	65	JD	92	10.0	850	850	22.5	AF		
S-271/S-273	N EOS / S EOS	8/10/2014	2:20 PM	65	JD	92	10.0	850	851	103	AF		
S-272/S-273	N EOS / S EOS	8/10/2014	2:34 PM	64	JD	92	10.0	850	850	121	AF	DF-113 (113A & 113B)	
S-272/S-274	N EOS / S EOS	8/10/2014	2:50 PM	64	JD	92	10.0	850	851	12	AF		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-273/S-275	N EOS / S EOS	8/10/2014	2:55 PM	62	JT	93	10.5	850	849	218	AF		
S-273/S-274	E EOS / E EOS	8/10/2014	3:00 PM	64	JD	92	10.0	850	850	22.5	AF		
S-250A/S-272	W EOS / E EOS	8/10/2014	3:21 PM	58	JD	92	10.0	850	851	30	AF		
S-274/S-275	N EOS / S EOS	8/10/2014	3:24 PM	59	JT	93	10.5	850	850	31	DB		
S-249A/S-274	W EOS / E EOS	8/10/2014	3:26 PM	58	JD	92	10.0	850	850	19	AF		
S-249A/S-275	W EOS / E EOS	8/10/2014	3:31 PM	58	JD	92	10.0	850	850	12	AF		
S-248A/S-275	W EOS / E EOS	8/10/2014	3:33 PM	57	JD	92	10.0	850	850	17	AF		
S-276/S-277	E EOS / W EOS	8/13/2014	3:25 PM	77	JD	94	10.0	850	850	222	AF	DF-115	
S-277/S-278	E EOS / 131' W	8/13/2014	3:47 PM	76	JT	93	11.0	850	850	131	CS		Welding started 8/13
S-277/S-278	131' W / W EOS	8/21/2014	4:15 PM	76	JT	93	11.0	850	850	80	CS		Welding completed 8/21
S-281/S-282	E EOS / 181' W	8/13/2014	5:45 PM	70	JT	93	11.0	850	850	181	CS		Welding started 8/13
S-281/S-282	181' W / W EOS	8/21/2014	10:00 AM	63	JT	93	10.0	850	851	88	AF		Welding completed 8/21
S-278/S-279	E EOS / 212' W	8/13/2014	4:09 PM	76	JD	94	10.0	850	851	212	AF		Welding started 8/13
S-278/S-279	212' W / W EOS	8/21/2014	8:12 AM	57	JD	94	10.0	850	850	96	CS		Welding completed 8/21
S-280/S-281	E EOS / 200' W	8/13/2014	5:28 PM	78	JD	94	10.0	850	850	200	AF	DF-117	Welding started 8/13
S-280/S-281	200' W / W EOS	8/21/2014	9:26 AM	62	JD	94	10.0	850	850	73	CS		Welding completed 8/21
S-282/S-283	E EOS / 190' W	8/13/2014	6:20 PM	75	JD	94	10.0	850	851	190	AF		Welding started 8/13
S-282/S-283	190' W / W EOS	8/21/2014	10:31 AM	65	JD	94	10.0	850	850	79	CS		Welding completed 8/21
S-283/S-284	E EOS / 183' W	8/14/2014	12:09 PM	77	JD	94	10.0	850	851	183	AF		Welding started 8/14
S-283/S-284	183' W / W EOS	8/21/2014	11:10 AM	63	JT	93	10.0	850	851	84	AF		Welding completed 8/21
S-284/S-285	E EOS / 176' W	8/14/2014	12:37 PM	79	JD	94	10.0	850	850	176	AF	DF-118	Welding started 8/14
S-284/S-285	176' W / W EOS	8/21/2014	1:09 PM	69	JD	94	10.0	850	850	116	CS	DF-138 (138A)	Welding completed 8/21
S-285/S-286	E EOS / 172' W	8/14/2014	1:10 PM	75	JD	94	10.0	850	850	172	AF		Welding started 8/14
S-285/S-286	172' W / W EOS	8/21/2014	1:30 PM	72	JT	93	10.0	850	849	119	AF		Welding completed 8/21
S-286/S-287	E EOS / 162' W	8/14/2014	1:25 PM	72	JT	93	11.0	850	850	162	CS		Welding started 8/14
S-286/S-287	162' W / W EOS	8/21/2014	2:43 PM	74	JD	94	10.0	850	850	116	CS		Welding completed 8/21
S-287/S-288	E EOS / 157' W	8/14/2014	1:36 PM	72	JD	94	10.0	850	851	158	AF		Welding started 8/14
S-287/S-288	157' W / W EOS	8/21/2014	2:55 PM	72	JT	93	10.0	850	850	120	AF		Welding completed 8/21
S-288/S-289	E EOS / 152' W	8/14/2014	1:50 PM	72	JT	93	11.0	850	850	152	CS	DF-119	Welding started 8/14
S-288/S-289	152' W / W EOS	8/21/2014	3:55 PM	74	JD	94	10.0	850	850	156	CS		Welding completed 8/21
S-289/S-290	E EOS / 146' W	8/14/2014	2:00 PM	69	JD	94	10.0	850	850	146	AF	DF-120	Welding started 8/14
S-289/S-290	146' W / W EOS	8/21/2014	4:20 PM	71	JT	93	10.0	850	851	161	AF		Welding completed 8/21
S-290/S-291	E EOS / 139' W	8/14/2014	2:13 PM	69	JT	93	11.0	850	850	139	CS		Welding started 8/14
S-290/S-291	139' W / W EOS	8/21/2014	4:53 PM	70	JD	94	10.0	850	850	167	CS		Welding completed 8/21
S-291/S-292	E EOS / 135' W	8/14/2014	2:22 PM	68	JD	94	10.0	850	850	135	AF		Welding started 8/14
S-291/S-292	135' W / W EOS	8/24/2014	8:30 AM	53	JD	94	10.0	850	850	168	AF		Welding completed 8/24
S-292/S-293	E EOS / 125' W	8/14/2014	2:43 PM	69	JT	93	11.0	850	850	125	CS		Welding started 8/14
S-292/S-293	125' W / W EOS	8/24/2014	9:48 AM	56	JD	94	10.0	850	849	184	AF		Welding completed 8/24
S-293/S-294	E EOS / 118' W	8/14/2014	3:00 PM	68	JD	94	10.0	850	850	118	AF		Welding started 8/14
S-293/S-294	118' E / W EOS	8/24/2014	10:45 AM	60	JT	93	10.0	850	571	187	AT		Welding completed 8/24
S-294/S-295	E EOS / 112' W	8/14/2014	3:20 PM	69	JT	93	11.0	850	850	112	CS		Welding started 8/14

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-294/S-295	112' W / W EOS	8/27/2014	12:35 PM	61	JT	93	10.0	850	850	194	AF	DF-148	Welding completed 8/27
S-295/S-296	E EOS / 107' W	8/14/2014	3:32 PM	67	JD	94	10.0	850	850	107	AF		Welding started 8/14
S-295/S-296	107' W / W EOS	8/27/2014	12:57 PM	65	JD	94	10.0	850	850	194	CS		Welding completed 8/27
S-296/S-297	E EOS / 100' W	8/14/2014	3:45 PM	69	JT	93	11.0	850	850	100	CS	DF-121	Welding started 8/14
S-296/S-297	100' W / N EOS	8/27/2014	1:40 PM	64	JT	93	10.0	850	850	209	CS		Welding completed 8/27
S-297/S-298	E EOS / 96' W	8/14/2014	3:55 PM	66	JD	94	10.0	850	850	96	AF	DF-122	Welding started 8/14
S-297/S-298	E EOS / W EOS	8/27/2014	1:40 PM	68	JD	94	10.0	850	850	75	CS	DF-149	Welding completed 8/27
S-298/S-299	E EOS / 89' W	8/14/2014	4:10 PM	59	JT	93	11.0	850	850	89	CS		Welding started 8/14
S-298/S-299	89' W / W EOS	8/27/2014	2:20 PM	64	JT	93	10.0	850	850	81	CS	DF-150 (150A)	Welding completed 8/27
S-299/S-300	E EOS / W EOS	8/14/2014	4:15 PM	65	JD	94	10.0	850	850	85	AF		
S-300/S-301	E EOS / W EOS	8/14/2014	4:50 PM	59	JT	93	11.0	850	850	77	CS		
S-229/S-302	E EOS / W EOS	8/16/2014	2:45 PM	73	JT	93	11.0	850	850	40.5	AF		
S-232/S-302	S EOS / N EOS	8/16/2014	2:49 PM	72	JD	94	10.0	850	850	22.5	AT		
S-230/S-302	E EOS / W EOS	8/16/2014	2:50 PM	73	JT	93	11.0	850	849	10	AF		
S-231/S-302	E EOS / W EOS	8/16/2014	2:55 PM	72	JT	93	11.0	850	851	10	AF		
S-233/S-303	S EOS / N EOS	8/16/2014	3:02 PM	72	JD	94	10.0	850	851	22.5	AF		
S-233/S-302	E EOS / W EOS	8/16/2014	3:10 PM	72	JT	93	11.0	850	850	12	AF		
S-302/S-303	E EOS / W EOS	8/16/2014	3:12 PM	71	JT	93	11.0	850	851	121	AF		
S-210/S-304	S EOS / N EOS	8/16/2014	3:33 PM	71	JD	94	10.0	850	850	22.5	AF		
S-211/S-305	S EOS / N EOS	8/16/2014	3:35 PM	71	JD	94	10.0	850	850	22.5	AF		
S-233/S-304	E EOS / W EOS	8/16/2014	3:45 PM	69	JT	93	11.0	850	850	21	AF	DF-123	
S-303/S-304	E EOS / W EOS	8/16/2014	3:52 PM	69	JT	93	11.0	850	852	125	AF		
S-304/S-305	E EOS / W EOS	8/16/2014	4:15 PM	69	JT	93	11.0	850	850	152.5	AF		
S-184/S-305	N EOS / S EOS	8/16/2014	4:26 PM	69	JD	94	10.0	850	850	22.5	AT		
S-185/S-304	N EOS / S EOS	8/16/2014	4:32 PM	69	JD	94	10.0	850	849	22.5	AT		
S-185/S-303	N EOS / S EOS	8/16/2014	4:34 PM	69	JD	94	10.0	850	851	22.5	AT		
S-185/S-302	N EOS / S EOS	8/16/2014	4:37 PM	69	JD	94	10.0	850	850	22.5	AT	DF-125	
S-212/S-306	S EOS / N EOS	8/16/2014	4:40 PM	68	JT	93	11.0	850	851	22.5	AF		
S-212/S-305	E EOS / W EOS	8/16/2014	4:50 PM	68	JT	93	11.0	850	850	8.5	AF		
S-305/S-306	E EOS / W EOS	8/16/2014	5:00 PM	68	JT	93	11.0	850	851	152	AF		
S-184/S-306	N EOS / S EOS	8/16/2014	5:10 PM	67	JT	93	11.0	850	850	23	AF	DF-124	
S-213/S-307	S EOS / N EOS	8/16/2014	5:25 PM	68	JD	94	10.0	850	850	22.5	AT		
S-306/S-307	E EOS / W EOS	8/18/2014	10:47 AM	68	JD	94	10.0	850	851	160	AT		
S-212/S-307	E EOS / W EOS	8/18/2014	10:47 AM	68	JD	94	10.0	850	851	8	AT		
S-307/S-308	N EOS / S EOS	8/18/2014	11:00 AM	68	JT	93	10.5	850	850	22.5	AF		
S-306/S-308	E EOS / W EOS	8/18/2014	11:08 AM	68	JD	94	10.0	850	850	9.5	AT		
S-307/S-309	E EOS / W EOS	8/18/2014	11:15 AM	68	JT	93	10.5	850	851	164.5	AF		
S-214/S-309	S EOS / N EOS	8/18/2014	11:32 AM	70	JD	94	10.0	850	848	22.5	AT		
S-308/S-309	E EOS / W EOS	8/18/2014	11:32 AM	69	JT	93	10.5	850	849	15	AF		
S-215/S-310	S EOS / N EOS	8/18/2014	11:45 AM	70	JT	93	10.5	850	850	22.5	AF		
S-215/S-309	E EOS / W EOS	8/18/2014	11:52 AM	70	JD	94	10.0	850	850	27	AT		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-309/S-310	E EOS / W EOS	8/18/2014	11:56 AM	70	JD	94	10.0	850	850	135	AT		
S-310/S-311	N EOS / S EOS	8/18/2014	12:00 PM	70	JT	93	10.5	850	851	22.5	AF		
S-309/S-311	E EOS / W EOS	8/18/2014	12:11 PM	70	JD	94	10.0	850	849	25	AT		
S-203/S-311	N EOS / S EOS	8/18/2014	12:15 PM	71	JT	93	10.5	850	852	23.5	AF		
S-203/S-309	N EOS / S EOS	8/18/2014	12:19 PM	71	JT	93	10.5	850	850	12.5	AF		
S-184/S-309	N EOS / S EOS	8/18/2014	12:20 PM	71	JT	93	10.5	850	849	11	AF		
S-184/S-308	N EOS / S EOS	8/18/2014	12:20 PM	71	JT	93	10.5	850	851	23.5	AF		
S-215/S-312	E EOS / W EOS	8/18/2014	1:26 PM	74	JD	94	10.0	850	852	32	AT		
S-310/S-312	E EOS / W EOS	8/18/2014	1:33 PM	74	JD	94	10.0	850	851	136	AT	DF-126 (126A & 126B)	
S-311/S-312	E EOS / W EOS	8/18/2014	1:47 PM	74	JD	94	10.0	850	851	30	AT		
S-217/S-313	S EOS / N EOS	8/18/2014	2:00 PM	74	JT	93	10.5	850	850	22.5	AF		
S-216/S-312	S EOS / N EOS	8/18/2014	2:10 PM	74	JT	93	10.5	850	850	23	AF		
S-313/S-314	N EOS / S EOS	8/18/2014	2:15 PM	74	JD	94	10.0	850	849	22.5	AT		
S-217/S-312	E EOS / W EOS	8/18/2014	2:15 PM	74	JT	93	10.5	850	850	41	AF		
S-312/S-313	E EOS / W EOS	8/18/2014	2:21 PM	74	JT	93	10.5	850	850	115	AF	DF-127	
S-312/S-314	E EOS / W EOS	8/18/2014	2:33 PM	74	JT	93	10.5	850	850	53	AF		
S-218/S-315	S EOS / N EOS	8/18/2014	2:36 PM	75	JD	94	10.0	850	848	22.5	AT		
S-217/S-315	E EOS / W EOS	8/18/2014	2:46 PM	75	JD	94	10.0	850	850	46	AT		
S-313/S-315	E EOS / W EOS	8/18/2014	2:54 PM	74	JD	94	10.0	850	841	115	AT		
S-314/S-315	E EOS / W EOS	8/18/2014	3:06 PM	74	JD	94	10.0	850	850	55	AT		
S-317/S-318	S EOS / N EOS	8/18/2014	3:10 PM	74	JT	93	10.5	850	850	23	AF		
S-219/S-318	S EOS / 12' N	8/18/2014	3:20 PM	74	JT	93	10.5	850	850	12	AT		
S-219/S-318	12' N / N EOS	8/18/2014	3:35 PM	74	JT	93	10.5	850	850	11	CS		
S-316/S-317	S EOS / N EOS	8/18/2014	3:40 PM	74	JT	93	10.5	850	850	23	AF		
S-219/S-315	E EOS / W EOS	8/18/2014	3:40 PM	67	JD	94	10.0	850	848	56	AT	DF-128 (128A & 128B)	
S-315/S-318	E EOS / W EOS	8/18/2014	3:50 PM	67	JD	94	10.0	850	849	85	AT		
S-315/S-317	E EOS / W EOS	8/18/2014	4:00 PM	67	JD	94	10.0	850	849	44	AT		
S-204/S-316	N EOS / S EOS	8/18/2014	4:03 PM	71	JT	93	10.5	850	850	24	CS		
S-204/S-315	N EOS / S EOS	8/18/2014	4:04 PM	71	JT	93	10.5	850	850	24	CS		
S-315/S-316	E EOS / W EOS	8/18/2014	4:07 PM	67	JD	94	10.0	850	850	40	AT		
S-204/S-314	N EOS / S EOS	8/18/2014	4:09 PM	71	JT	93	10.5	850	850	22	CS		
S-204/S-312	N EOS / S EOS	8/18/2014	4:14 PM	71	JT	93	10.5	850	850	20	CS		
S-203/S-312	N EOS / S EOS	8/18/2014	4:16 PM	71	JT	93	10.5	850	850	4	CS		Seam Capped
S-219/S-319	E EOS / W EOS	8/19/2014	8:15 AM	62	JD	94	10.0	850	851	63	AF		
S-318/S-319	E EOS / W EOS	8/19/2014	8:24 AM	63	JD	94	10.0	850	850	86	AF		
S-319/S-320	N EOS / S EOS	8/19/2014	8:30 AM	65	JT	93	10.5	850	850	23	CS		
S-317/S-319	E EOS / W EOS	8/19/2014	8:37 AM	63	JD	94	10.0	850	850	45	AF		
S-316/S-319	E EOS / W EOS	8/19/2014	8:42 AM	63	JD	94	10.0	850	851	41	AF		
S-316/S-320	E EOS / W EOS	8/19/2014	8:47 AM	63	JD	94	10.0	850	850	7	AF		
S-245/S-321	S EOS / N EOS	8/19/2014	8:50 AM	65	JT	93	10.5	850	850	23	CS		
S-244/S-319	S EOS / N EOS	8/19/2014	9:00 AM	63	JD	94	10.0	850	848	22.5	AF		

Acronyms:
EOS-End of Seam
N, E, S, W-Cardinal Directions

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-245/S-319	E EOS / W EOS	8/19/2014	9:00 AM	65	JT	93	10.5	850	850	67	CS		
S-319/S-321	E EOS / W EOS	8/19/2014	9:07 AM	65	JT	93	10.5	850	850	181	CS	DF-129	
S-246/S-322	S EOS / N EOS	8/19/2014	9:17 AM	64	JD	94	10.0	850	850	22.5	AF		
S-320/S-321	E EOS / W EOS	8/19/2014	9:25 AM	65	JT	93	10.5	850	850	14	CS		
S-322/S-323	N EOS / S EOS	8/19/2014	9:35 AM	65	JT	93	10.5	850	850	23	CS		
S-246/S-321	E EOS / W EOS	8/19/2014	9:36 AM	65	JD	94	10.0	850	851	17	AF		
S-321/S-322	E EOS / W EOS	8/19/2014	9:40 AM	66	JD	94	10.0	850	850	125	AF		
S-247/S-324	S EOS / N EOS	8/19/2014	9:55 AM	65	JT	93	10.5	850	850	23	CS		
S-321/S-323	E EOS / W EOS	8/19/2014	9:56 AM	66	JD	94	10.0	850	849	67	AF		
S-246/S-324	E EOS / W EOS	8/19/2014	10:02 AM	65	JT	93	10.5	850	850	62	CS		
S-322/S-324	E EOS / W EOS	8/19/2014	10:08 AM	65	JT	93	10.5	850	850	132	CS		
S-323/S-324	E EOS / W EOS	8/19/2014	10:21 AM	65	JT	93	10.5	850	850	63	CS		
S-276/S-326	S EOS / N EOS	8/19/2014	10:25 AM	67	JD	94	10.0	850	851	22.5	AF		
S-247/S-276	E EOS / W EOS	8/19/2014	10:33 AM	67	JD	94	10.0	850	848	238	AF	DF-114	
S-276/S-324	E EOS / W EOS	8/19/2014	10:39 AM	68	JD	94	10.0	850	850	68	AF		
S-325/S-326	N EOS / S EOS	8/19/2014	10:45 AM	65	JT	93	10.5	850	850	23	CS		
S-324/S-326	E EOS / W EOS	8/19/2014	10:52 AM	66	JT	93	10.5	850	849	116	CS	DF-131	
S-324/S-325	E EOS / W EOS	8/19/2014	11:09 AM	66	JT	93	10.5	850	852	70	CS		
S-327/S-328	N EOS / S EOS	8/19/2014	11:20 AM	67	JT	93	10.5	850	848	22.5	CS		
S-277/S-327	S EOS / N EOS	8/19/2014	11:30 AM	70	JD	94	10.0	850	841	22.5	AF		
S-278/S-329	S EOS / N EOS	8/19/2014	11:35 AM	67	JT	93	10.5	850	849	22.5	CS		
S-276/S-327	E EOS / W EOS	8/19/2014	11:39 AM	71	JD	94	10.0	850	849	98	AF	DF-132	
S-278/S-327	E EOS / W EOS	8/19/2014	11:45 AM	67	JT	93	10.5	850	852	102	CS		
S-327/S-329	E EOS / W EOS	8/19/2014	11:45 AM	67	JT	93	10.5	850	851	109	BM		
S-326/S-327	E EOS / W EOS	8/19/2014	11:47 AM	72	JD	94	10.0	850	847	109	AF		
S-326/S-328	E EOS / W EOS	8/19/2014	12:02 PM	72	JD	94	10.0	850	850	8	AF		
S-325/S-328	E EOS / W EOS	8/19/2014	12:03 PM	72	JD	94	10.0	850	848	63	AF		
S-328/S-329	E EOS / W EOS	8/19/2014	12:06 PM	71	JT	93	10.5	850	849	73	BM		
S-204/S-324	N EOS / S EOS	8/19/2014	12:30 PM	73	JD	94	10.0	850	847	23	AF		
S-204/S-323	N EOS / S EOS	8/19/2014	12:33 PM	73	JD	94	10.0	850	849	23	AF		
S-204/S-321	N EOS / S EOS	8/19/2014	12:36 PM	72	JD	94	10.0	850	850	23	AF		
S-204/S-320	N EOS / S EOS	8/19/2014	12:39 PM	72	JD	94	10.0	850	849	23	AF		
S-170/S-329	N EOS / S EOS	8/20/2014	3:05 PM	69	JT	93	10.0	850	849	14	AF		
S-169/S-329	N EOS / S EOS	8/20/2014	3:08 PM	69	JT	93	10.0	850	852	10	AF		
S-169/S-328	N EOS / 10' S	8/20/2014	3:09 PM	69	JT	93	10.0	850	850	10.5	AF		
S-169/S-328	10' S / S EOS	8/20/2014	3:08 PM	69	JT	93	10.0	850	850	3	AF		
S-168/S-328	N EOS / S EOS	8/20/2014	3:10 PM	69	JT	93	10.0	850	848	11	AF		
S-168/S-325	N EOS / S EOS	8/20/2014	3:11 PM	69	JT	93	10.0	850	851	12.5	AF		
S-167/S-325	N EOS / S EOS	8/20/2014	3:13 PM	69	JT	93	10.0	850	847	10.5	AF	DF-133	
S-330/S-331	N EOS / S EOS	8/21/2014	8:20 AM	57	JT	93	10.0	850	848	22.5	AF		
S-278/S-331	E EOS / W EOS	8/21/2014	8:26 AM	57	JD	94	10.0	850	850	10	CS		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-279/S-331	S EOS / N EOS	8/21/2014	8:26 AM	57	JT	93	10.0	850	851	22.5	AF		
S-329/S-331	E EOS / W EOS	8/21/2014	8:27 AM	57	JD	94	10.0	850	850	137	CS	DF-134	
S-279/S-280	E EOS / W EOS	8/21/2014	8:40 AM	58	JT	93	10.0	850	849	288	AF	DF-116	
S-329/S-330	E EOS / W EOS	8/21/2014	8:44 AM	57	JD	94	10.0	850	850	31	CS		
S-280/S-331	E EOS / W EOS	8/21/2014	8:53 AM	58	JT	93	10.0	850	847	14	AF		
S-280/S-332	S EOS / N EOS	8/21/2014	9:00 AM	59	JT	93	10.0	850	848	22.5	AF		
S-331/S-332	E EOS / W EOS	8/21/2014	9:02 AM	60	JT	93	10.0	850	851	137	AF		
S-330/S-332	E EOS / W EOS	8/21/2014	9:16 AM	62	JT	93	10.0	850	850	29	AF		
S-281/S-334	S EOS / N EOS	8/21/2014	9:16 AM	62	JD	94	10.0	850	850	23	CS		
S-333/S-334	N EOS / S EOS	8/21/2014	9:25 AM	62	JT	93	10.0	850	851	22.5	AF		
S-280/S-334	E EOS / W EOS	8/21/2014	9:35 AM	62	JD	94	10.0	850	850	45	CS		
S-332/S-334	E EOS / W EOS	8/21/2014	9:40 AM	62	JD	94	10.0	850	850	113	CS		
S-282/S-335	S EOS / N EOS	8/21/2014	9:45 AM	62	JT	93	10.0	850	850	22.5	AF		
S-332/S-333	E EOS / W EOS	8/21/2014	9:54 AM	62	JD	94	10.0	850	850	48	CS		
S-335/S-336	N EOS / S EOS	8/21/2014	10:08 AM	65	JD	94	10.0	850	850	23	CS		
S-282/S-334	E EOS / W EOS	8/21/2014	10:11 AM	63	JT	93	10.0	850	849	50	AF	DF-135	
S-334/S-335	E EOS / W EOS	8/21/2014	10:10 AM	63	JT	93	10.0	850	850	108	AF		
S-283/S-337	S EOS / N EOS	8/21/2014	10:20 AM	65	JD	94	10.0	850	850	23	CS		
S-333/S-335	E EOS / W EOS	8/21/2014	10:27 AM	63	JT	93	10.0	850	849	18	AF		
S-333/S-336	E EOS / W EOS	8/21/2014	10:29 AM	63	JT	93	10.0	850	51	25	AF		
S-282/S-337	E EOS / W EOS	8/21/2014	10:40 AM	65	JD	94	10.0	850	850	49	CS	DF-136	
S-335/S-337	E EOS / W EOS	8/21/2014	10:47 AM	65	JD	94	10.0	850	850	124	CS		
S-284/S-338	S EOS / N EOS	8/21/2014	11:00 AM	63	JT	93	10.0	850	850	22.5	AF		
S-284/S-337	E EOS / W EOS	8/21/2014	11:21 AM	63	JT	93	10.0	850	851	56	AF		
S-337/S-338	E EOS / W EOS	8/21/2014	11:27 AM	64	JT	93	10.0	850	849	103	AF		
S-337/S-339	E EOS / W EOS	8/21/2014	11:38 AM	64	JT	93	10.0	850	850	32	AF	DF-137	
S-336/S-337	E EOS / W EOS	8/21/2014	11:02 AM	65	JD	94	10.0	850	850	25	CS		
S-338/S-339	N EOS / S EOS	8/21/2014	11:10 AM	65	JD	94	10.0	850	850	23	CS		
S-197/S-339	N EOS / S EOS	8/21/2014	11:33 AM	65	JD	94	10.0	850	850	15	CS		
S-196/S-339	N EOS / S EOS	8/21/2014	11:35 AM	65	JD	94	10.0	850	850	8	CS		
S-196/S-337	N EOS / S EOS	8/21/2014	11:37 AM	65	JD	94	10.0	850	850	14	CS		
S-174/S-337	N EOS / S EOS	8/21/2014	11:41 AM	65	JD	94	10.0	850	850	8	CS		
S-174/S-336	N EOS / S EOS	8/21/2014	11:42 AM	65	JD	94	10.0	850	850	13	CS		
S-173/S-336	N EOS / S EOS	8/21/2014	11:44 AM	65	JD	94	10.0	850	850	10	CS		
S-173/S-333	N EOS / S EOS	8/21/2014	11:45 AM	65	JD	94	10.0	850	850	13	CS		
S-172/S-333	N EOS / S EOS	8/21/2014	11:47 AM	65	JD	94	10.0	850	850	10	CS		
S-172/S-332	N EOS / S EOS	8/21/2014	11:48 AM	65	JD	94	10.0	850	850	12	CS		
S-171/S-332	N EOS / S EOS	8/21/2014	11:49 AM	65	JD	94	10.0	850	850	10	CS		
S-171/S-330	N EOS / S EOS	8/21/2014	11:51 AM	65	JD	94	10.0	850	850	12	CS		
S-170/S-330	N EOS / S EOS	8/21/2014	11:52 AM	65	JD	94	10.0	850	850	8	CS		
S-285/S-340	S EOS / N EOS	8/21/2014	1:15 PM	71	JT	93	10.0	850	851	22.5	AF		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-284/S-340	E EOS / W EOS	8/21/2014	1:25 PM	69	JD	94	10.0	850	850	29	CS	DF-138 (138B)	
S-338/S-340	E EOS / W EOS	8/21/2014	1:37 PM	69	JD	94	10.0	850	850	103	CS		
S-339/S-340	E EOS / W EOS	8/21/2014	1:40 PM	69	JD	94	10.0	850	850	28	CS		
S-286/S-340	E EOS / W EOS	8/21/2014	1:44 PM	72	JT	93	10.0	850	850	32	AF		
S-341/S-342	N EOS / S EOS	8/21/2014	1:53 PM	69	JD	94	10.0	850	850	23	CS		
S-286/S-341	S EOS / N EOS	8/21/2014	1:55 PM	72	JT	93	10.0	850	848	22.5	AF		
S-342/S-343	N EOS / S EOS	8/21/2014	2:00 PM	69	JD	94	10.0	850	850	23	CS		
S-340/S-341	E EOS / W EOS	8/21/2014	2:02 PM	71	JT	93	10.0	850	849	58	AF		
S-340/S-342	E EOS / W EOS	8/21/2014	2:08 PM	73	JT	93	10.0	850	851	28	AF		
S-340/S-343	E EOS / W EOS	8/21/2014	2:11 PM	74	JT	93	10.0	850	851	38	AF		
S-287/S-344	S EOS / N EOS	8/21/2014	2:35 PM	72	JT	93	10.0	850	849	22.5	AF		
S-286/S-344	E EOS / W EOS	8/21/2014	2:53 PM	74	JD	94	10.0	850	850	38	CS		
S-341/S-344	E EOS / W EOS	8/21/2014	2:58 PM	74	JD	94	10.0	850	850	58	CS		
S-342/S-344	E EOS / W EOS	8/21/2014	3:04 PM	74	JD	94	10.0	850	850	27	CS		
S-288/S-344	E EOS / W EOS	8/21/2014	3:08 PM	73	JT	93	10.0	850	851	43	AF		
S-343/S-344	E EOS / W EOS	8/21/2014	3:10 PM	74	JD	94	10.0	850	850	40	CS		
S-288/S-345	S EOS / N EOS	8/21/2014	3:20 PM	73	JT	93	10.0	850	849	22.5	AF		
S-344/S-345	E EOS / W EOS	8/21/2014	3:26 PM	72	JT	93	10.0	850	850	118	AF	DF-139	
S-289/S-347	S EOS / N EOS	8/21/2014	3:41 PM	74	JD	94	10.0	850	850	23	CS	DF-140	
S-346/S-347	N EOS / S EOS	8/21/2014	3:50 PM	73	JT	93	10.0	850	849	22.5	AF		
S-290/S-348	S EOS / N EOS	8/21/2014	4:10 PM	72	JT	93	10.0	850	851	22.5	AF		
S-288/S-347	E EOS / W EOS	8/21/2014	4:14 PM	70	JD	94	10.0	850	850	11	CS		
S-345/S-347	E EOS / W EOS	8/21/2014	4:16 PM	70	JD	94	10.0	850	850	75	CS		
S-345/S-346	E EOS / W EOS	8/21/2014	4:25 PM	70	JD	94	10.0	850	850	40	CS		
S-291/S-350	S EOS / N EOS	8/21/2014	4:34 PM	70	JD	94	10.0	850	850	23	CS		
S-290/S-347	E EOS / W EOS	8/21/2014	4:40 PM	71	JT	93	10.0	850	849	13.5	AF		
S-347/S-348	E EOS / W EOS	8/21/2014	4:41 PM	70	JT	93	10.0	850	850	76	AF		
S-346/S-348	E EOS / W EOS	8/21/2014	4:50 PM	70	JT	93	10.0	850	849	40	AF		
S-349/S-350	N EOS / S EOS	8/21/2014	5:00 PM	70	JT	93	10.0	850	850	22.5	AF		
S-348/S-349	E EOS / W EOS	8/21/2014	5:03 PM	71	JT	93	10.0	850	851	21	AF		
S-290/S-350	E EOS / W EOS	8/21/2014	5:14 PM	70	JD	94	10.0	850	850	12	CS	DF-141	
S-348/S-350	E EOS / W EOS	8/21/2014	5:16 PM	70	JD	94	10.0	850	850	97	CS		
S-238/S-349	N EOS / S EOS	8/21/2014	5:28 PM	71	JT	93	10.0	850	849	20	AF		
S-237/S-349	N EOS / S EOS	8/21/2014	5:32 PM	70	JT	93	10.0	850	851	5	AF		
S-237/S-348	N EOS / S EOS	8/21/2014	5:32 PM	70	JT	93	10.0	850	850	19	AF		
S-236/S-348	N EOS / S EOS	8/21/2014	5:34 PM	70	JT	93	10.0	850	851	4	AF		
S-236/S-346	N EOS / S EOS	8/21/2014	5:34 PM	70	JT	93	10.0	850	850	19	AF	DF-142	
S-239/S-346	N EOS / S EOS	8/21/2014	5:39 PM	70	JT	93	10.0	850	849	4	AF		
S-239/S-345	N EOS / S EOS	8/21/2014	5:39 PM	70	JT	93	10.0	850	851	23	AF		
S-239/S-344	N EOS / S EOS	8/21/2014	5:41 PM	70	JT	93	10.0	850	850	15	AF		
S-199/S-344	N EOS / S EOS	8/21/2014	5:43 PM	69	JT	93	10.0	850	851	8	AF		

Acronyms:
EOS-End of Seam
N, E, S, W-Cardinal Directions

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-199/S-343	N EOS / S EOS	8/21/2014	5:44 PM	69	JT	93	10.0	850	851	15	AF		
S-198/S-343	N EOS / S EOS	8/21/2014	5:46 PM	69	JT	93	10.0	850	850	9	AF		
S-198/S-340	N EOS / S EOS	8/21/2014	5:47 PM	70	JT	93	10.0	850	851	15	AF		
S-197/S-340	N EOS / S EOS	8/21/2014	5:51 PM	69	JT	93	10.0	850	849	8	AF		
S-255/S-255A	N EOS / S EOS	8/23/2014	2:00 PM	65	JT	93	10.0	850	849	30	BM		
S-254/S-254A	N EOS / S EOS	8/23/2014	2:10 PM	65	JT	93	10.0	850	850	32	BM		
S-253/S-253A	N EOS / S EOS	8/23/2014	2:15 PM	65	JT	93	10.0	850	852	35	BM		
S-252/S-252A	N EOS / S EOS	8/23/2014	2:21 PM	65	JT	93	10.0	850	848	32	BM		
S-251/S-251A	N EOS / S EOS	8/23/2014	2:26 PM	65	JT	93	10.0	850	850	35	BM		
S-250/S-250A	N EOS S EOS	8/23/2014	2:37 PM	65	JT	93	10.0	850	848	38	BM		
S-249/S-249A	N EOS / S EOS	8/23/2014	2:36 PM	65	JT	93	10.0	850	851	10	BM	DF-143	
S-248/S-248A	N EOS / S EOS	8/23/2014	2:39 PM	65	JT	93	10.0	850	849	20	BM		
S-294/S-352	E EOS / W EOS	8/24/2014	11:04 AM	60	JT	93	10.0	850	850	14.5	AT		
S-352/S-354	E EOS / W EOS	8/24/2014	11:06 AM	60	JT	93	10.0	850	848	80.5	AT		
S-355/S-356	E EOS / W EOS	8/24/2014	12:15 PM	60	JT	93	10.0	850	851	21.5	AT		
S-358/S-359	N EOS / S EOS	8/24/2014	1:10 PM	60	JT	93	10.0	850	851	14	AT		
S-357/S-359	N EOS / S EOS	8/24/2014	1:13 PM	58	JT	93	10.0	850	850	284	AT	DF-147	
S-357/S-360	N EOS / S EOS	8/24/2014	1:46 PM	60	JT	93	10.0	850	849	8	AT		
S-353/S-360	E EOS / W EOS	8/24/2014	1:55 PM	60	JT	93	10.0	850	851	22.5	AT		
S-248/S-356	N EOS / S EOS	8/24/2014	2:10 PM	62	JT	93	10.0	850	850	18.5	AT		
S-243/S-356	N EOS / S EOS	8/24/2014	2:13 PM	62	JT	93	10.0	850	850	5	AT		
S-243/S-357	N EOS / S EOS	8/24/2014	2:13 PM	62	JT	93	10.0	850	849	27	AT		
S-292/S-350	E EOS / W EOS	8/24/2014	8:50 AM	53	JD	94	10.0	850	851	15	AF		
S-292/S-351	S EOS / N EOS	8/24/2014	9:00 AM	54	JD	94	10.0	850	849	22.5	AF		
S-293/S-352	S EOS / N EOS	8/24/2014	9:05 AM	54	JD	94	10.0	850	847	22.5	AF		
S-350/S-351	E EOS / W EOS	8/24/2014	9:15 AM	55	JD	94	10.0	850	849	91	AF		
S-349/S-351	E EOS / W EOS	8/24/2014	9:27 AM	55	JD	94	10.0	850	848	23	AF	DF-144	
S-292/S-352	E EOS / W EOS	8/24/2014	10:09 AM	56	JD	94	10.0	850	850	7	AF		
S-351/S-352	E EOS / W EOS	8/24/2014	10:09 AM	57	JD	94	10.0	850	851	121	AF		
S-353/S-354	N EOS / S EOS	8/24/2014	10:32 AM	57	JD	94	10.0	850	849	22.5	AF		
S-294/S-354	S EOS / N EOS	8/24/2014	10:41 AM	58	JD	94	10.0	850	850	22.5	AF		
S-352/S-353	E EOS / W EOS	8/24/2014	10:56 AM	58	JD	94	10.0	850	849	38	AF		
S-242/S-353	N EOS / S EOS	8/24/2014	11:07 AM	58	JD	94	10.0	850	849	17	AF		
S-241/S-353	N EOS / S EOS	8/24/2014	11:12 AM	59	JD	94	10.0	850	850	7	AF		
S-241/S-352	N EOS / S EOS	8/24/2014	11:13 AM	59	JD	94	10.0	850	848	17	AF		
S-240/S-352	N EOS / S EOS	8/24/2014	11:14 AM	59	JD	94	10.0	850	851	4	AF		
S-240/S-351	N EOS / S EOS	8/24/2014	11:14 AM	59	JD	94	10.0	850	849	19	AF		
S-238/S-351	N EOS / S EOS	8/24/2014	Failed Seam										Seam Capped
S-275/S-355	N EOS / S EOS	8/24/2014	11:04 AM	58	JD	94	10.0	850	849	235	AF	DF-145	
S-275/S-356	N EOS / S EOS	8/24/2014	12:25 PM	58	JD	94	10.0	850	850	35	AF		
S-357/S-358	E EOS / W EOS	8/24/2014	12:42 PM	60	JD	94	10.0	850	850	22.5	AF		

Acronyms:
EOS-End of Seam
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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-355/S-358	N EOS / S EOS	8/24/2014	12:54 PM	60	JD	94	10.0	850	850	14	AF		
S-355/S-357	N EOS / S EOS	8/24/2014	12:58 PM	60	JD	94	10.0	850	850	221	AF	DF-146	
S-356/S-357	N EOS / S EOS	8/24/2014	1:22 PM	60	JD	94	10.0	850	850	50	AF		
S-359/S-360	E EOS / W EOS	8/24/2014	1:39 PM	60	JD	94	10.0	850	850	22.5	AF		
S-242/S-360	N EOS / S EOS	8/24/2014	Failed Seam										Seam Capped
S-295/S-361	S EOS / N EOS	8/27/2014	12:41 PM	65	JD	94	10.0	850	850	22	CS		
S-296/S-362	S EOS / N EOS	8/27/2014	12:45 PM	65	JD	94	10.0	850	850	22	CS		
S-294/S-361	E EOS / W EOS	8/27/2014	12:55 PM	64	JT	93	10.0	850	850	11	CS		
S-354/S-361	E EOS / W EOS	8/27/2014	12:56 PM	64	JT	93	10.0	850	850	79	CS		
S-297/S-363	S EOS / W EOS	8/27/2014	1:20 PM	64	JT	93	10.0	850	850	23	CS		
S-296/S-361	E EOS / W EOS	8/27/2014	1:21 PM	66	JD	94	10.0	850	850	19	CS		
S-298/S-364	S EOS / N EOS	8/27/2014	1:30 PM	64	JT	93	10.0	850	850	23	CS		
S-361/S-362	E EOS / W EOS	8/27/2014	1:24 PM	66	JD	94	10.0	850	850	57	CS		
S-297/S-364	E EOS / W EOS	8/27/2014	1:45 PM	68	JD	94	10.0	850	850	124	CS		
S-296/S-363	E EOS / W EOS	8/27/2014	2:00 PM	64	JT	93	10.0	850	850	11	CS		
S-362/S-363	E EOS / W EOS	8/27/2014	2:03 PM	64	JT	93	10.0	850	850	37	CS		
S-299/S-364	E EOS / W EOS	8/27/2014	2:27 PM	64	JT	93	10.0	850	850	123	CS	DF-150 (150B)	
S-359/S-365	N EOS / S EOS	8/27/2014	2:28 PM	68	JD	94	10.0	850	850	273	CS		
S-365/S-366	N EOS / S EOS	8/27/2014	3:05 PM	64	JT	93	10.0	850	850	295	CS		
S-360/S-365	N EOS / S EOS	8/27/2014	3:06 PM	70	JD	94	10.0	850	850	16	CS		
S-353/S-365	E EOS / W EOS	8/27/2014	3:19 PM	70	JD	94	10.0	850	850	20	CS		
S-362/S-366	E EOS / W EOS	8/27/2014	3:22 PM	69	JD	94	10.0	850	850	9	CS		
S-361/S-366	E EOS / W EOS	8/27/2014	3:25 PM	68	JD	94	10.0	850	850	16	CS		
S-361/S-365	N EOS / S EOS	8/27/2014	3:38 PM	64	JT	93	10.0	850	850	19	CS		
S-366/S-367	N EOS / S EOS	8/27/2014	3:40 PM	60	JD	94	10.0	850	850	280	CS	DF-151	
S-364/S-369	S EOS / N EOS	8/27/2014	4:05 PM	64	JT	93	10.0	850	850	23	CS		
S-299/S-369	E EOS / W EOS	8/27/2014	4:10 PM	64	JT	93	10.0	850	850	19	CS		
S-297/S-369	E EOS / W EOS	8/27/2014	4:20 PM	64	JT	93	10.0	850	850	11	CS		
S-363/S-369	E EOS / W EOS	8/27/2014	4:25 PM	64	JT	93	10.0	850	850	25	CS	DF-152	
S-367/S-368	N EOS / S EOS	8/27/2014	4:35 PM	64	JT	93	10.0	850	850	257	CS		
S-368/S-369	E EOS / W EOS	8/27/2014	4:36 PM	60	JD	94	10.0	850	850	20	CS		
S-363/S-368	E EOS / W EOS	8/27/2014	4:39 PM	60	JD	94	10.0	850	850	10	CS		
S-363/S-367	E EOS / W EOS	8/27/2014	4:41 PM	60	JD	94	10.0	850	850	18	CS		
S-362/S-367	E EOS / W EOS	8/27/2014	4:44 PM	60	JD	94	10.0	850	850	15	CS		
S-368/S-371	N EOS / S EOS	8/27/2014	5:10 PM	60	JD	94	10.0	850	850	207	CS	DF-153	
S-370/S-371	E EOS / W EOS	8/27/2014	5:10 PM	64	JT	93	10.0	850	850	23	CS		
S-368/S-370	N EOS / S EOS	8/27/2014	5:36 PM	63	JD	94	10.0	850	850	23	CS		
S-299/S-373	E EOS / W EOS	8/27/2014	5:50 PM	64	JT	93	10.0	850	850	174	CS		
S-372/S-373	S EOS / N EOS	8/27/2014	5:51 PM	63	JD	94	10.0	850	850	22	CS		
S-300/S-373	S EOS / N EOS	8/27/2014	6:08 PM	63	JD	94	10.0	850	850	22	CS		
S-299/S-372	E EOS / W EOS	8/27/2014	6:11 PM	64	JT	93	10.0	850	850	26	CS	DF-154	

Acronyms:
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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-301/S-373	E EOS / W EOS	8/27/2014	6:17 PM	63	JD	94	10.0	850	850	176	CS		
S-301/S-372	E EOS / W EOS	8/27/2014	6:49 PM	63	JD	94	10.0	850	850	10	CS		
S-371/S-374	N EOS / S EOS	8/27/2014	7:06 PM	64	JT	93	10.0	850	850	207	CS		
S-376/S-377	E EOS / W EOS	8/28/2014	8:40 AM	51	JD	94	10.0	850	849	22.5	AF		
S-374/S-377	N EOS / S EOS	8/28/2014	8:49 AM	52	JD	94	10.0	850	850	50	AF		
S-374/S-376	N EOS / S EOS	8/28/2014	8:54 AM	52	JD	94	10.0	850	849	101	AF		
S-375/S-376	E EOS / W EOS	8/28/2014	8:55 AM	52	JT	93	10.0	850	843	22	CS		
S-374/S-375	N EOS / S EOS	8/28/2014	9:06 AM	53	JD	94	10.0	850	849	27	AF	DF-155	
S-377/S-378	N EOS / S EOS	8/28/2014	9:20 AM	53	JT	93	10.0	850	850	55	CS		
S-379/S-380	E EOS / W EOS	8/28/2014	9:24 AM	54	JD	94	10.0	850	843	22.5	AF		
S-376/S-378	N EOS / S EOS	8/28/2014	9:25 AM	53	JT	93	10.0	850	850	100	CS		
S-378/S-380	N EOS / S EOS	8/28/2014	9:32 AM	54	JD	94	10.0	850	850	93	AF		
S-378/S-379	N EOS / S EOS	8/28/2014	9:44 AM	54	JD	94	10.0	850	850	33	AF		
S-383/S-384	W EOS / E EOS	8/28/2014	9:55 AM	53	JT	93	10.0	850	849	23	CS		
S-380/S-382	N EOS / S EOS	8/28/2014	10:24 AM	53	JT	93	10.0	850	851	67	CS		
S-381/S-382	E EOS / W EOS	8/28/2014	10:24 AM	57	JD	94	10.0	850	849	22.5	AF		
S-380/S-381	N EOS / S EOS	8/28/2014	10:32 AM	53	JT	93	10.0	850	850	31	CS	DF-156	
S-382/S-384	N EOS / S EOS	8/28/2014	10:34 AM	57	JD	94	10.0	850	851	28	AF		
S-382/S-383	N EOS / S EOS	8/28/2014	10:38 AM	58	JD	94	10.0	850	850	40	AF		
S-384/S-385	N EOS / S EOS	8/28/2014	10:48 AM	53	JT	93	10.0	850	849	33	CS		
S-383/S-385	N EOS / S EOS	8/28/2014	10:55 AM	53	JT	93	10.0	850	850	9	CS		
S-301/S-386	E EOS / W EOS	8/28/2014	11:12 AM	58	JD	94	10.0	850	849	165	AF		
S-387/S-388	N EOS / S EOS	8/28/2014	11:25 AM	53	JT	93	10.0	850	849	23	CS		
S-386/S-388	E EOS / W EOS	8/28/2014	11:35 AM	53	JT	93	10.0	850	850	126	CS		
S-388/S-389	E EOS / W EOS	8/28/2014	11:49 AM	58	JD	94	10.0	850	850	124	AF	DF-157	
S-386/S-387	E EOS / W EOS	8/28/2014	11:51 AM	53	JT	93	10.0	850	849	19	CS		
S-389/S-391	E EOS / W EOS	8/28/2014	12:05 PM	53	JT	93	10.0	850	849	89	CS		
S-390/S-391	N EOS / S EOS	8/28/2014	12:09 PM	58	JD	94	10.0	850	849	22.5	AF		
S-389/S-390	E EOS / W EOS	8/28/2014	12:17 PM	53	JT	93	10.0	850	843	15	CS		
S-391/S-392	E EOS / W EOS	8/28/2014	12:17 PM	59	JD	94	10.0	850	850	85	AF		
S-393/S-394	S EOS / N EOS	8/28/2014	12:30 PM	53	JT	93	10.0	850	850	23	CS		
S-392/S-394	E EOS / W EOS	8/28/2014	12:30 PM	58	JD	94	10.0	850	849	49	AF		
S-392/S-393	E EOS / W EOS	8/28/2014	12:38 PM	58	JD	94	10.0	850	850	18	AF		
S-394/S-395	E EOS / W EOS	8/28/2014	12:45 PM	53	JT	93	10.0	850	850	50	CS		
S-395/S-396	E EOS / W EOS	8/28/2014	12:55 PM	53	JT	93	10.0	850	849	23	CS		
S-383/S-393	E EOS / W EOS	8/28/2014	12:56 PM	58	JD	94	10.0	850	849	25	AF		
S-383/S-392	E EOS / W EOS	8/28/2014	1:00 PM	59	JD	94	10.0	850	850	9.5	AF		
S-382/S-392	E EOS / W EOS	8/28/2014	1:01 PM	58	JD	94	10.0	850	850	6	AF		
S-381/S-392	E EOS / W EOS	8/28/2014	1:02 PM	58	JD	94	10.0	850	851	12	AF		
S-381/S-390	E EOS / W EOS	8/28/2014	1:03 PM	58	JD	94	10.0	850	850	24	AF		
S-385/S-397	S EOS / N EOS	8/28/2014	1:05 PM	53	JT	93	10.0	850	851	9	CS		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-379/S-389	E EOS / W EOS	8/28/2014	1:09 PM	58	JD	94	10.0	850	850	32	AF		
S-379/S-387	E EOS / W EOS	8/28/2014	1:11 PM	58	JD	94	10.0	850	849	6.5	AF		
S-378/S-387	E EOS / W EOS	8/28/2014	1:12 PM	58	JD	94	10.0	850	850	23	AF		
S-396/S-397	E EOS / W EOS	8/28/2014	1:15 PM	53	JT	93	10.0	850	850	8	CS		
S-378/S-386	E EOS / W EOS	8/28/2014	1:15 PM	58	JD	94	10.0	850	849	16	AF		
S-385/S-396	E EOS / W EOS	8/28/2014	1:16 PM	53	JT	93	10.0	850	849	9	CS		
S-385/S-395	E EOS / W EOS	8/28/2014	1:17 PM	53	JT	93	10.0	850	850	28	CS	DF-158	
S-376/S-386	E EOS / W EOS	8/28/2014	1:18 PM	58	JD	94	10.0	850	850	4	AF		
S-375/S-386	E EOS / W EOS	8/28/2014	1:19 PM	57	JD	94	10.0	850	850	9	AF		
S-301/S-375	E EOS / W EOS	8/28/2014	1:24 PM	57	JD	94	10.0	850	850	24.5	AF	DF-159	
S-301/S-374	E EOS / W EOS	8/28/2014	Failed Seam										Seam Capped
S-372/S-374	E EOS / W EOS	8/28/2014	Failed Seam										Seam Capped
S-299/S-374	E EOS / W EOS	8/28/2014	1:39 PM	57	JD	94	10.0	850	850	6	AF		
S-299/S-370	E EOS / W EOS	8/28/2014	Failed Seam										Seam Capped
S-369/S-370	E EOS / W EOS	8/28/2014	Failed Seam										Seam Capped
S-199/S-199A	N EOS / S EOS	8/29/2014	9:35 AM	65	JT	93	10.0	850	850	12	CS		
S-198/S-199	N EOS / S EOS	8/29/2014	9:36 AM	65	JT	93	10.0	850	850	3	CS		
S-198/S-198A	N EOS / 18' S	8/29/2014	9:37 AM	65	JT	93	10.0	850	850	18	CS		
S-198/S-198A	18' S / S EOS	8/29/2014	9:40 AM	65	JT	93	10.0	850	850	32	CS		
S-197/S-198	N EOS / S EOS	8/29/2014	9:42 AM	65	JT	93	10.0	850	850	5	CS		
S-197/S-197A	N EOS / S EOS	8/29/2014	9:43 AM	65	JT	93	10.0	850	850	39	CS		
S-196/S-197	N EOS / S EOS	8/29/2014	9:48 AM	65	JT	93	10.0	850	850	3	CS		
S-196/S-196A	N EOS / S EOS	8/29/2014	9:50 AM	65	JT	93	10.0	850	850	17	CS	DF-160	
S-398/S-399	N EOS / S EOS	9/28/2014	9:55 AM	53	JT	92	10.0	850	849	22.5	BM	DF-161	
S-399/S-400	N EOS / S EOS	9/28/2014	10:07 AM	55	JT	92	10.0	850	851	22.5	BM		
S-400/S-401	N EOS / S EOS	9/28/2014	10:15 AM	55	JT	92	10.0	850	850	22.5	BM		
S-401/S-403	E EOS / W EOS	9/28/2014	10:40 AM	58	JT	92	10.0	850	850	20	TB		
S-400/S-403	S EOS / N EOS	9/28/2014	10:41 AM	58	JT	92	10.0	850	849	2	TB		
S-400/S-402	S EOS / N EOS	9/28/2014	10:46 AM	59	JT	92	10.0	850	850	24	TB		
S-399/S-402	E EOS / W EOS	9/28/2014	10:49 AM	59	JT	92	10.0	850	851	37	TB		
S-401/S-404	E EOS / W EOS	9/28/2014	10:50 AM	60	JT	92	10.0	850	849	22.5	TB		
S-402/S-403	N EOS / S EOS	9/28/2014	10:35 AM	53	JT	92	10.0	850	858	13	TB		
S-266/S-402	N EOS / S EOS	9/28/2014	11:40 AM	66	JT	92	10.0	850	850	14	NA		
S-267/S-402	N EOS / S EOS	9/28/2014	11:42 AM	66	JT	92	10.0	850	849	11	NA		
S-268/S-402	N EOS / S EOS	9/28/2014	11:43 AM	66	JT	92	10.0	850	850	27	NA		
S-269/S-402	N EOS / S EOS	9/28/2014	11:46 AM	66	JT	92	10.0	850	850	4	NA		
S-270/S-402	N EOS / S EOS	9/28/2014	11:50 AM	66	JT	92	10.0	850	850	9	NA		
S-270/S-403	N EOS / S EOS	9/28/2014	11:50 AM	66	JT	92	10.0	850	849	22	NA		
S-270/S-401	N EOS / S EOS	9/28/2014	11:53 AM	66	JT	92	10.0	850	850	3	NA		
S-272/S-401	N EOS / S EOS	9/28/2014	11:53 AM	66	JT	92	10.0	850	850	14	NA		
S-275/S-401	N EOS / S EOS	9/28/2014	12:30 PM	67	JT	92	10.0	850	847	14	NA		

Acronyms:
EOS-End of Seam
N, E, S, W-Cardinal Directions

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	SPEED SETTING	MACHINE TEMPERATURE		WELDED SEAM LENGTH (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	REMARKS
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-275/S-401	S EOS / N EOS	9/28/2014	12:40 PM	67	JT	92	10.0	850	849	12	NA		
S-275/S-404	S EOS / N EOS	9/28/2014	12:45 PM	67	JT	92	10.0	850	849	10	NA		
S-273/S-404	S EOS / N EOS	9/28/2014	12:50 PM	67	JT	92	10.0	850	849	23	NA		
S-272/S-404	E EOS / W EOS	9/28/2014	12:55 PM	67	JT	92	10.0	850	850	11	NA		
S-407/S-408	N EOS / S EOS	9/28/2014	2:30 PM	65	JT	92	10.0	850	850	4	TB		
S-398/S-408	N EOS / S EOS	9/28/2014	2:40 PM	59	JT	92	10.0	850	850	22	TB		
S-398/S-407	N EOS / S EOS	9/28/2014	2:42 PM	59	JT	92	10.0	850	850	22	TB		
S-256/S-408	N EOS / S EOS	9/28/2014	2:55 PM	59	JT	92	10.0	850	850	22	TB		
S-256/S-408	E EOS / W EOS	9/28/2014	Failed Seam										Seam Capped
S-256/S-407	N EOS / S EOS	9/28/2014	3:00 PM	59	JT	92	10.0	850	850	9	TB		
S-255/S-407	N EOS / S EOS	9/28/2014	3:01 PM	59	JT	92	10.0	850	850	13	TB		
S-255/S-407	E EOS / W EOS	9/28/2014	Failed Seam										Seam Capped
S-258/S-398	W EOS / E EOS	9/28/2014	10:25 AM	55	JD	94	10.0	850	851	15	BM	DF-162	
S-259/S-398	W EOS / E EOS	9/28/2014	10:25 AM	55	JD	94	10.0	850	849	20	BM		
S-255/S-398	W EOS / E EOS	9/28/2014	10:35 AM	55	JD	94	10.0	850	852	25	BM		
S-254/S-398	W EOS / E EOS	9/28/2014	10:37 AM	55	JD	94	10.0	850	850	33	BM		
S-253/S-398	W EOS / E EOS	9/28/2014	10:50 AM	55	JD	94	10.0	850	849	5	BM		
S-253/S-399	W EOS / E EOS	9/28/2014	10:51 AM	55	JD	94	10.0	850	851	28	BM		
S-252/S-399	W EOS / E EOS	9/28/2014	10:55 AM	55	JD	94	10.0	850	850	34	BM		
S-251/S-399	W EOS / E EOS	9/28/2014	10:59 AM	55	JD	94	10.0	850	849	15	BM		
S-251/S-400	W EOS / E EOS	9/28/2014	11:00 AM	60	JD	94	10.0	850	850	20	BM		
S-273/S-401	E EOS / W EOS	9/28/2014	11:26 AM	60	JD	94	10.0	850	848	23	BM		
S-272/S-401	W EOS / E EOS	9/28/2014	11:28 AM	60	JD	94	10.0	850	851	7	BM		
S-250A/S-401	W EOS / E EOS	9/28/2014	11:29 AM	60	JD	94	10.0	850	850	6	BM		
S-250/S-401	E EOS / W EOS	9/28/2014	11:34 AM	60	JD	94	10.0	850	848	48	BM		
S-250/S-400	W EOS / E EOS	9/28/2014	Failed Seam										Seam Capped
S-261/S-406	N EOS / S EOS	9/28/2014	11:57 AM	60	JD	94	10.0	850	850	44	BM		
S-405/S-406	N EOS / S EOS	9/28/2014	12:08 PM	58	JD	94	10.0	850	849	18	BM		
S-398/S-406	E EOS / W EOS	9/28/2014	12:15 PM	58	JD	94	10.0	850	851	32	BM		
S-398/S-405	E EOS / W EOS	9/28/2014	12:18 PM	58	JD	94	10.0	850	850	21	BM		
S-265/S-399	E EOS / W EOS	9/28/2014	12:28 PM	58	JD	94	10.0	850	851	26	BM		
S-265/S-402	N EOS / S EOS	9/28/2014	Failed Seam										Seam Capped
S-264/S-399	E EOS / W EOS	9/28/2014	12:32 PM	58	JD	94	10.0	850	849	10	BM		
S-264/S-398	E EOS / W EOS	9/28/2014	12:33 PM	58	JD	94	10.0	850	849	23	BM		
S-263/S-398	E EOS / W EOS	9/28/2014	12:36 PM	58	JD	94	10.0	850	851	13	BM		
S-262/S-398	E EOS / W EOS	9/28/2014	12:37 PM	58	JD	94	10.0	850	850	17	BM		
S-261/S-398	E EOS / W EOS	9/28/2014	12:38 PM	58	JD	94	10.0	850	849	33	BM	DF-163	

Extrusion Welds

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Extrusion Welding Summary**



SEAM NUMBER	SEAM SECTION	DATE	START TIME	AMBIENT AIR TEMP. (°F)	WELD TECH	MACHINE NUMBER	PRE-HEAT SETTING	MACHINE TEMPERATURE		SEAM LENGTH WELDED (feet)	QA MONITOR	DESTRUCTIVE SAMPLE NUMBER	VACUUM TEST PASS/FAIL
	FROM / TO							SETTING (°F)	ACTUAL (°F)				
S-74/S-154	N EOS / S EOS	06/27/14	2:02 PM	58	LD	120	460	500	501	8	DB	DX-2	PASS
S-128/S-129	E EOS / DF-48	07/21/14	3:08 PM	61	LD	120	460	500	502	9	BM		PASS
S-401/S-409	E EOS / W EOS	09/30/14	5:42 PM	50	LD	120	460	500	505	20	BM	DX-5	PASS
S-250/S-409	E EOS / W EOS	09/30/14	5:50 PM	50	LD	120	460	500	503	13	BM		PASS
S-249/S-409	N EOS / S EOS	09/30/14	6:08 PM	50	LD	120	460	500	500	17	BM		PASS
S-275/S-409	W EOS / E EOS	09/30/14	6:21 PM	50	LD	120	460	500	501	28	BM		PASS
S-276/S-409	S EOS / N EOS	09/30/14	6:50 PM	50	LD	120	460	500	499	7	BM		PASS
S-275/S-409	S EOS / N EOS	09/30/14	7:00 PM	50	LD	120	460	500	500	16	BM		PASS

Appendix J.4

**Secondary Geomembrane
Defect/Repair Summary**

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D1	6/10/14	S-1/S-2	At anchor trench	WR	6/11/14	11:08 AM	2x6	P	LD	116	6/11/14	AV	SR	PASS	
D2	6/10/14	S-2/S-3	32' W of E EOS	W	6/11/14	4:03 PM	3x5	P	LD	116	6/13/14	AV	TB	PASS	
D3	6/10/14	S-2/S-3	67' W of E EOS	W	6/12/14	1:56 PM	3x6	P	LD	116	6/13/14	AV	TB	PASS	
D4	6/10/14	S-2/S-3	DF-1	DF	6/12/14	2:05 PM	2x25	C	LD	116	6/13/14	AV	TB	PASS	Cap covers D18 & D19
D5	6/10/14	S-4	314' W of E EOP	DO	6/11/14	11:18 AM	2x2	P	LD	116	6/11/14	AV	SR	PASS	
D6	6/10/14	S-4/S-5	DF-2	DF	6/11/14	11:21 AM	2x6	P	LD	116	6/11/14	AV	SR	PASS	
D7	6/10/14	S-5/S-6	DF-3	DF	6/12/14	2:30 PM	2x5	P	LD	116	6/13/14	AV	TB	PASS	
D8	6/10/14	S-6/S-7	90' W of E EOS	IO	6/12/14	2:54 PM	2x5	P	LD	116	6/13/14	AV	TB	PASS	
D9	6/10/14	S-6/S-7	127' W of E EOS	BO	6/12/14	2:42 PM	2x6	P	LD	116	6/13/14	AV	TB	PASS	
D10	6/10/14	S-6/S-7	DF-4	DF	6/11/14	2:35 PM	2x8	P	LD	116	6/11/14	AV	SR	PASS	Patch covers D11
D11	6/11/14	S-6/S-7	314' W of E EOS	IO	Covered by D10										
D12	6/11/14	S-6/S-7	At anchor trench	PT	6/11/14	12:10 PM	2x6	P	LD	116	6/11/14	AV	SR	PASS	
D13	6/11/14	S-9/S-10	DF-5	DF	6/12/14	3:22 PM	2x5	P	LD	116	6/13/14	AV	TB	PASS	
D14	6/11/14	S-6/S-7	13' W of E EOS	PT	6/12/14	3:06 PM	2x2	P	LD	116	6/13/14	AV	TB	PASS	
D15	6/11/14	S-10/S-11	67' W of E EOS	DO	6/12/14	3:14 PM	2x2	P	LD	116	6/13/14	AV	TB	PASS	
D16	6/11/14	S-10/S-11	DF-6	DF	6/11/14	2:07 PM	2x6	P	LD	116	6/11/14	AV	SR	PASS	
D17	6/11/14	S-4/S-5	At anchor trench	PT	6/11/14	11:30 AM	2x4	P	LD	116	6/11/14	AV	SR	PASS	
D18	6/12/14	S-2/S-3	DF-1B	DF/FS	Covered by D4										
D19	6/12/14	S-2/S-3	DF-1A	DF/FS	Covered by D4										
D20	6/12/14	S-7/S-8	DF-7	DF	Covered by D32										
D21	6/12/14	S-10	85' W of E EOP/5' N	DO	6/13/14	3:50 PM	2x2	P	LD	116	6/13/14	AV	TB	PASS	
D22	6/12/14	S-10/S-11	DF-6B	DF	6/13/14	5:26 PM	2x25	C	LD	116	6/13/14	AV	TB	PASS	
D23	6/13/14	S-14/S-15	DF-8	DF	Covered by D34										
D24	6/13/14	S-14/S-15/S-17	Intersection	INT	Covered by D25										
D25	6/13/14	S-14/S-17	Entire seam	FS	6/13/14	12:00 PM	2x10	C	PL	120	6/13/14	AV	BM	PASS	Cap covers D24
D26	6/13/14	S-15/S-16/S-17	Intersection	INT	6/13/14	10:42 AM	2x5	P	PL	120	6/13/14	AV	AF	PASS	
D27	6/13/14	S-17/S-18/S-20/S-50	Intersection	INT	6/17/14	10:10 AM	2x3	P	PL	120	6/17/14	EO	AF	PASS	
D28	6/13/14	S-18/S-19/S-20	Intersection	INT	6/13/14	12:36 PM	2x10	C	PL	120	6/13/14	AV	AF	PASS	
D29	6/13/14	S-20/S-21/S-22	Intersection	INT	6/13/14	12:58 PM	2x8	P	PL	120	6/13/14	AV	AF	PASS	
D30	6/13/14	S-20/S-22	DF-9	DF	Covered by D57										
D31	6/13/14	S-22/S-23	At anchor trench	WR	6/13/14	1:35 PM	3x10	P	PL	120	6/13/14	AV	AF	PASS	
D32	6/13/14	S-7/S-8	DF-7 to DF-7B	DF/FS	6/13/14	10:10 AM	2x80	C	LD	116	6/13/14	AV	BM	PASS	Capped to end of seam, covers D20
D33	6/13/14	S-7/S-8	DF-7B	DF/FS	Covered by D32										
D34	6/13/14	S-14/S-15	DF-8B	DF/FS	6/13/14	10:20 AM	2x20	C	PL	120	6/13/14	AV	AF	PASS	Cap covers D23 & D35
D35	6/13/14	S-14/S-15	DF-8A	DF/FS	Covered by D34										
D36	6/13/14	S-24/S-25	DF-10	DF	Covered by D60										
D37	6/13/14	S-29/S-30	DF-11	DF	Covered by D66										
D38	6/13/14	S-17/S-18	30' N of S EOS	FS	6/13/14	12:20 PM	2x15	C	PL	120	6/13/14	AV	AF	PASS	
D39	6/13/14	S-17	45' N EOP/5' E	DO	6/13/14	12:30 PM	2x2	P	PL	120	6/13/14	PL	DB	PASS	
D40	6/13/14	S-22	13' W EOP/3' S	DO	6/13/14	1:05 PM	2x2	P	PL	120	6/13/14	PL	DB	PASS	
D41	6/13/14	S-27/S-28	20' W of E EOS	BO	6/13/14	4:55 PM	2x5	P	PL	120	6/13/14	PL	DB	PASS	
D42	6/14/14	S-31/S-32	15' W of E EOS	FS	6/14/14	1:19 PM	2x45	C	LD	116	6/14/14	JD	DB	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D43	6/14/14	S-31/S-32/S-33/S-34 S-36/S-37/S-38/S-39	Intersection	INT	6/14/14	3:05 PM	4x9	P	LD	116	6/14/14	LD	AF	PASS	
D44	6/14/14	S-34/S-35/S-36/S-37/S-38	Intersection	INT	Covered by D48										
D45	6/14/14	S-33/S-34	47' W of E EOS	BO	6/14/14	11:30 AM	2x3	P	LD	116	6/14/14	JD	DB	PASS	
D46	6/14/14	S-35/S-36	13' S of N EOS	BO	6/14/14	11:39 AM	2x3	P	LD	116	6/14/14	LD	AF	PASS	
D47	6/14/14	S-36/S-37	DF-12	DF/FS	6/14/14	1:51 PM	2x8	C	LD	116	6/14/14	JD	AF	PASS	
D48	6/14/14	S-36/S-37	DF-12B	DF/FS	6/14/14	1:51 PM	2x8	C	LD	116	6/17/14	LD	AF	PASS	Covers D44
D49	6/14/14	S-36	39' N of S EOP/2' E	DO	6/14/14	2:00 PM	2x2	P	LD	116	6/17/14	LD	AF	PASS	
D50	6/14/14	S-36/S-37	8' N of S EOS	BO	6/14/14	3:25 PM	2x2	P	LD	116	6/17/14	LD	AF	PASS	
D51	6/14/14	S-37/S-38	DF-12A	DF/FS	6/14/14	3:30 PM	2x6	C	PL	120	6/17/14	LD	AF	PASS	
D52	6/16/14	S-43/S-44/S-45	Intersection	INT	6/17/14	9:30 AM	2x2	P	PL	120	6/17/14	LD	AF	PASS	
D53	6/16/14	S-40/S-41	DF-14	DF	6/17/14	8:55 AM	2x4	P	PL	120	6/17/14	LD	AF	PASS	
D54	6/16/14	S-11/S-40	3' E of W EOS	DO	6/17/14	8:40 AM	4x4	P	PL	120	6/17/14	LD	AF	PASS	
D55	6/16/14	S-11/S-40	DF-13/218' W of E EOS	DF/BO	6/17/14	8:55 AM	2x7	P	PL	120	6/17/14	LD	AF	PASS	
D56	6/16/14	S-12/S-44	3' E of W EOS	IO	6/17/14	9:20 AM	3x3	P	PL	120	6/17/14	LD	AF	PASS	
D57	6/16/14	S-20/S-22/S-49/S-50	Intersection	INT	6/17/14	10:00 AM	2x11	P	PL	120	6/17/14	LD	AF	PASS	Covers D30 & D78
D58	6/16/14	S-22/S-23/S-49	Intersection	INT	6/17/14	9:50 AM	2x2	P	PL	120	6/17/14	LD	AF	PASS	
D59	6/16/14	S-23/S-24/S-49	Intersection	INT	6/17/14	9:45 AM	2x2	P	PL	120	6/17/14	LD	AF	PASS	
D60	6/16/14	S-24/S-25/S-49	Intersection	INT	6/17/14	8:24 AM	2x5	P	PL	120	6/17/14	LD	AF	PASS	Covers D36
D61	6/16/14	S-25/S-26/S-48	Intersection	INT	Covered by D89										
D62	6/16/14	S-25/S-26/S-48	DF-16/Intersection	DF/INT	Covered by D89										
D63	6/16/14	S-26/S-27/S-48	Intersection	INT	6/17/14	8:50 AM	2x2	P	JD	116	6/17/14	LD	AF	PASS	
D64	6/16/14	S-27/S-28/S-46/S-47/S-48	Intersection	INT	Covered by D93										
D65	6/16/14	S-28/S-29/S-46	Intersection	INT	Covered by D93										
D66	6/16/14	S-29/S-30/S-46	Intersection	INT	6/17/14	9:28 AM	2x6	P	JD	116	6/17/14	LD	AF	PASS	Covers D37
D67	6/16/14	S-30/S-31/S-39/S-46	Intersection	INT	6/17/14	9:38 AM	5x7	P	JD	116	6/17/14	LD	AF	PASS	
D68	6/16/14	S-39/S-46	DF-15/3' N of E EOS	DF/WR	6/17/14	9:51 AM	3x4	P	JD	116	6/17/14	LD	AF	PASS	
D69	6/16/14	S-49/S-53/S-54	Intersection	INT	6/17/14	10:30 AM	3x3	P	JD	116	6/17/14	LD	AF	PASS	
D70	6/16/14	S-53/S-54/S-55	Intersection	INT	6/17/14	10:24 AM	2x4	P	JD	116	6/17/14	LD	AF	PASS	
D71	6/16/14	S-49/S-52/S-53	Intersection	INT	6/17/14	10:42 AM	4x6	P	JD	116	6/17/14	LD	AF	PASS	
D72	6/16/14	S-52/S-53/S-55	Intersection	INT	6/17/14	10:49 AM	4x5	P	JD	116	6/17/14	LD	AF	PASS	
D73	6/16/14	S-49/S-52	DF-17	DF	Covered by D74										
D74	6/16/14	S-49/S-51/S-52	Failed Seam	FS	6/17/14	8:00 AM	2x22	C	JD	116	6/17/14	LD	AF	PASS	Covers D73, D91, & D92
D75	6/16/14	S-51/S-52/S-55	Intersection	INT	6/17/14	8:05 AM	2x2	P	JD	116	6/17/14	LD	AF	PASS	
D76	6/16/14	S-50/S-51/S-55	Intersection	INT	6/17/14	8:10 AM	2x2	P	JD	116	6/17/14	LD	AF	PASS	
D77	6/16/14	S-49/S-50/S-51	Intersection	INT	6/17/14	8:20 AM	2x3	P	JD	116	6/17/14	LD	AF	PASS	
D78	6/16/14	S-20/S-49/S-50	Intersection	INT	Covered by D57										
D79	6/16/14	S-54/S-55	6' N of E EOS	BO	6/17/14	10:02 AM	2x5	P	JD	116	6/17/14	LD	AF	PASS	
D80	6/16/14	S-17/S-50/S-55	Intersection	INT	6/17/14	10:10 AM	2x3	P	JD	116	6/17/14	LD	AF	PASS	
D81	6/16/14	S-16/S-17/S-55	Intersection	INT	6/17/14	10:15 AM	3x3	P	JD	116	6/17/14	LD	AF	PASS	
D82	6/16/14	S-16/S-55/S-56	Intersection	INT	6/17/14	10:20 AM	2x8	P	JD	116	6/17/14	LD	AF	PASS	Covers D83
D83	6/16/14	S-55/S-56	DF-18	DF	Covered by D82										
D84	6/16/14	S-15/S-16/S-56	Intersection	INT	6/17/14	10:25 AM	3x4	P	JD	116	6/17/14	LD	AF	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D85	6/16/14	S-14/S-15/S-56/S-57/S-60	Intersection/FS	INT/FS	6/17/14	10:35 AM	4x15	C	JD	116	6/17/14	LD	AF	PASS	
D86	6/16/14	S-13/S-14/S-60	Intersection	INT	6/17/14	10:55 AM	2x5	P	JD	116	6/17/14	LD	AF	PASS	
D87	6/16/14	S-56/S-57	DF-19	DF	6/17/14	10:18 AM	2x6	P	PL	120	6/17/14	LD	AF	PASS	
D88	6/16/14	S-57/S-58	DF-20	DF	6/17/14	10:13 AM	2x5	P	PL	120	6/17/14	LD	AF	PASS	
D89	6/16/14	S-25/S-48	Entire seam	FS	6/17/14	8:40 AM	3x15	C	PL	120	6/17/14	LD	AF	PASS	Covers D61 & D62
D90	6/16/14	S-58/S-59	DF-21	DF	6/17/14	11:22 AM	2x5	P	PL	120	6/17/14	LD	AF	PASS	
D91	6/17/14	S-49/S-51	DF-17B	DF	Covered by D74										
D92	6/17/14	S-49/S-52	DF-17A	DF	Covered by D74										
D93	6/17/14	S-28/S-46	Entire seam	FS	6/17/14	9:06 AM	2x23	C	PL	120	6/17/14	LD	AF	PASS	Covers D64 & D65
D94	6/17/14	S-47/S-48/S-49	Intersection	INT	6/17/14	9:22 AM	2x2	P	PL	120	6/17/14	LD	AF	PASS	
D95	6/17/14	S-53	17' S EOP/4' W	DO	6/17/14	11:00 AM	2x2	P	PL	120	6/17/14	LD	AF	PASS	
D96	6/17/14	S-53	15' S EOP/7' W	DO	6/17/14	10:55 AM	2x2	P	PL	120	6/17/14	LD	AF	PASS	
D97	6/17/14	S-57	53' S EOP/9' E	PU	6/17/14	11:25 AM	2x2	P	JD	116	6/17/14	LD	AF	PASS	
D98	6/18/14	S-45/S-63	S-45/S-63	IO	6/21/14	9:49 AM	2x40	C	LD	116	6/24/14	JT	AF	PASS	Covers D99,D100,D120,D203,D204
D99	6/18/14	S-43/S-63/S-64	Intersection	INT	Covered by D98										
D100	6/18/14	S-43/S-45/S-63	Intersection	INT	Covered by D98										
D101	6/18/14	S-12/S-44/S-63	Intersection	INT	6/19/14	1:30 PM	2x3	P	LD	116	6/20/14	JT	DB	PASS	
D102	6/18/14	S-12/S-60/S-63	Intersection	INT	6/19/14	1:42 PM	3x8	P	LD	116	6/20/14	JT	DB	PASS	Covers D103
D103	6/18/14	S-12/S-13/S-60	Intersection	INT	Covered by D102										
D104	6/18/14	S-60/S-62/S-63	Intersection	INT	6/19/14	1:45 PM	2x3	P	LD	116	6/20/14	JT	DB	PASS	
D105	6/18/14	S-57/S-58/S-60/S-61/S-62	Intersection	INT	6/19/14	2:05 PM	5x8	P	LD	116	6/20/14	JT	DB	PASS	
D106	6/18/14	S-58/S-59/S-61	Intersection	INT	Covered by D107										
D107	6/18/14	S-59/S-61/S-65/S-67/S-69	Intersection	INT	6/19/14	2:30 PM	5x15	C	LD	116	6/24/14	JT	AF	PASS	Covers D106,D108,D114,D109
D108	6/18/14	S-59/S-61/S-65/S-67	Intersection	INT	Covered by D107										
D109	6/18/14	S-61/S-65	DF-22	DF	Covered by D107										
D110	6/18/14	S-65/S-66/S-67	Intersection	INT	Covered by D111										
D111	6/18/14	S-65/S-66	DF-23	DF	6/19/14	3:22 PM	5x12	P	LD	116	6/24/14	JT	AF	PASS	Covers D110 & D112
D112	6/18/14	S-66/S-67	DF-24	DF	Covered by D111										
D113	6/18/14	S-67/S-68/S-69	Intersection	INT	6/19/14	3:42 PM	2x6	P	LD	116	6/24/14	JT	AF	PASS	
D114	6/18/14	S-59/S-67/S-69	Intersection	INT	Covered by D107										
D115	6/18/14	S-59/S-69/S-70	Intersection	INT	6/19/14	2:43 PM	2x3	P	LD	116	6/20/14	JT	DB	PASS	
D116	6/18/14	S-59/S-70	DF-26	DF	6/19/14	3:57 PM	2x8	P	LD	116	6/20/14	JT	DB	PASS	Covers D117
D117	6/18/14	S-59/S-70/S-71	Intersection	INT	Covered by D116										
D118	6/18/14	S-69/S-70	DF-25	DF	6/19/14	3:45 PM	2x5	P	LD	116	6/24/14	JT	DB	PASS	
D119	6/18/14	S-71/S-72	DF-27	DF	6/27/14	5:55 AM	2x3	P	LD	120	6/27/14	AV	BM	PASS	
D120	6/18/14	S-44/S-63	19' E of W EOS	IO	Covered by D98										
D121	6/18/14	S-67/S-69	30' E of W EOS	DO	6/19/14	3:10 PM	2x2	P	LD	116	6/20/14	JT	AF	FAIL	Covers D256
D122	6/18/14	S-70/S-71	18' E of W EOS	PT	6/19/14	4:05 PM	2x2	P	LD	116	6/20/14	JT	AF	PASS	
D123	6/18/14	S-70/S-71	31' E of W EOS	PT	6/19/14	4:16 PM	2x2	P	LD	116	6/26/14	EO	CS	PASS	
D124	6/18/14	S-70/S-71	292' E of W EOS	WR	6/27/14	6:00 PM	2x3	P	LD	120	6/27/14	VA	BM	PASS	
D125	6/19/14	S-59/S-72/S-74	Intersection	INT	6/19/14	4:35 PM	3x5	P	LD	116	6/20/14	JT	DB	PASS	
D126	6/19/14	S-72/S-73/S-74	Intersection	INT	6/23/14	9:55 AM	2x8	P	LD	116	6/24/14	JT	AF	PASS	
D127	6/19/14	S-42/S-43/S-64	Intersection	INT	6/21/14	8:34 AM	2x6	P	LD	116	6/24/14	JT	AF	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D128	6/19/14	S-41/S-42/S-62/S-64	Intersection	INT	Covered by D129										
D129	6/19/14	S-41/S-62	DF-28	DF	6/19/14	11:35 AM	3x15	P	LD	116	6/24/14	JT	AF	PASS	Covers D128
D130	6/19/14	S-40/S-41/S-62	Intersection	INT	6/21/14	7:44 AM	2x3	P	LD	116	6/24/14	JT	AF	PASS	
D131	6/19/14	S-62/S-63/S-64	Intersection	INT	6/21/14	8:45 AM	2x2	P	LD	116	6/24/14	JT	AF	PASS	
D132	6/19/14	S-59/S-74	DF-29	DF	6/19/14	4:45 PM	3x12	C	LD	116	6/26/14	EO	CS	PASS	Covers D134, D135, D136
D133	6/19/14	S-40/S-61/S-62	Intersection	INT	6/20/14	9:41 AM	4x8	P	LD	116	7/2/14	AV	CS	PASS	
D134	6/19/14	S-59/S-74/S-75	Intersection	INT	Covered by D132										
D135	6/19/14	S-59/S-75	Entire seam	FS	Covered by D132										
D136	6/19/14	S-59/S-75/S-77	Intersection	INT	Covered by D132										
D137	6/19/14	S-59/S-77/S-79	Intersection	INT	6/19/14	11:20 AM	3x4	P	LD	116	6/20/14	JT	DB	PASS	
D138	6/19/14	S-59/S-79/S-80	Intersection	INT	6/21/14	11:34 AM	3x7	P	LD	116	6/26/14	EO	CS	PASS	
D139	6/19/14	S-77/S-78/S-79	Intersection	INT	6/20/14	3:30 PM	2x4	P	LD	116	6/20/14	JT	DB	PASS	
D140	6/19/14	S-78/S-79/S-80	Intersection	INT	6/20/14	3:43 PM	2x2	P	LD	116	6/20/14	JT	DB	PASS	
D141	6/19/14	S-76/S-77	DF-30	DF	6/20/14	4:16 PM	3x10	P	LD	116	6/24/14	JT	AF	PASS	Covers D142
D142	6/19/14	S-75/S-76/S-77	Intersection	INT	Covered by D141										
D143	6/19/14	S-80/S-81/S-82	Intersection	INT	Covered by D144										
D144	6/19/14	S-81/S-82	DF-31	DF	6/20/14	4:40 PM	2x7	P	LD	116	6/24/14	JT	AF	PASS	Covers D143
D145	6/19/14	S-81/S-82/S-83	Intersection	INT	6/20/14	4:48 PM	2x2	P	LD	116	6/24/14	JT	AF	PASS	
D146	6/19/14	S-59/S-80/S-82	Intersection	INT	6/21/14	10:24 AM	2x2	P	LD	116	6/26/14	EO	CS	PASS	
D147	6/19/14	S-59/S-82/S-84	Intersection	INT	6/21/14	10:40 AM	2x3	P	LD	116	6/26/14	EO	CS	PASS	
D148	6/19/14	S-82/S-83/S-84	Intersection	INT	6/20/14	5:06 PM	2x2	P	LD	116	6/24/14	JT	AF	PASS	
D149	6/19/14	S-83/S-84/S-85	Intersection	INT	6/20/14	5:01 PM	2x3	P	LD	116	6/24/14	JT	AF	PASS	
D150	6/19/14	S-84/S-85	19' E of W EOS	BO	6/21/14	11:14 AM	3x3	P	LD	116	6/26/14	EO	CS	PASS	
D151	6/19/14	S-59/S-84/S-85	Intersection	INT	6/21/14	11:09 AM	3x3	P	LD	116	6/26/14	EO	CS	PASS	
D152	6/19/14	S-59/S-85/S-87	Intersection	INT	6/21/14	11:23 AM	2x3	P	LD	116	6/26/14	EO	CS	PASS	
D153	6/19/14	S-85/S-86/S-87	Intersection	INT	6/21/14	12:08 PM	3x4	P	LD	116	6/26/14	EO	CS	PASS	
D154	6/19/14	S-59/S-87/S-88	Intersection	INT	6/21/14	11:40 AM	2x3	P	LD	116	6/26/14	EO	CS	PASS	
D155	6/19/14	S-86/S-87/S-88	Intersection	INT	Covered by D156										
D156	6/19/14	S-86/S-87	DF-32	DF	6/21/14	11:49 AM	2x7	P	LD	116	6/26/14	EO	CS	PASS	Covers D155
D157	6/19/14	S-69	14' E of W EOP/2' N	DO	6/19/14	4:15 PM	2x2	P	LD	116	6/20/14	JT	DB	PASS	
D158	6/19/14	S-70	10' E of W EOP/6' N	DO	6/19/14	4:32 PM	4x4	P	LD	116	6/20/14	JT	DB	PASS	
D159	6/19/14	S-75/S-101	Entire seam	FS	6/23/14	9:20 AM	2x10	C	LD	116	6/20/14	JT	DB	PASS	Covers D184, D185
D160	6/19/14	S-86/S-88/S-89	Intersection	INT	6/21/14	2:54 PM	6x7	P	LD	116	6/26/14	EO	CS	PASS	
D161	6/19/14	S-59/S-74	DX-1	DX	6/21/14	10:20 AM	2x5	P	LD	116	6/26/14	EO	CS	PASS	
D162	6/19/14	S-79	15' S of N EOP/3' E	DO	6/19/14	5:15 PM	2x2	P	LD	116	6/20/14	JT	DB	PASS	
D163	6/19/14	S-79	13' S of N EOP/15' E	DO	6/19/14	5:30 PM	4x4	P	LD	116	6/20/14	JT	DB	PASS	
D164	6/19/14	S-59	13' S of N EOP/6' W	DO	6/21/14	10:31 AM	3x3	P	LD	116	6/26/14	EO	CS	PASS	
D165	6/20/14	S-77/S-79	27' E of W EOS	BO	6/20/14	3:16 PM	2x2	P	LD	116	6/20/14	JT	DB	PASS	
D166	6/20/14	S-90/S-91	DF-33	DF	6/21/14	1:52 PM	2x5	P	LD	116	6/26/14	EO	CS	PASS	
D167	6/20/14	S-94/S-96	DF-34	DF	6/21/14	2:15 PM	2x6	P	LD	116	6/30/14	AV	DB	PASS	
D168	6/20/14	S-91/S-92/S-93	Intersection	INT	6/21/14	3:34 PM	3x4	P	LD	116	6/28/14	AV	DB	PASS	
D169	6/20/14	S-92/S-94/S-95	Intersection	INT	6/21/14	4:51 PM	2x4	P	LD	116	6/28/14	AV	DB	PASS	
D170	6/20/14	S-94/S-95/S-96	Intersection	INT	6/21/14	5:00 PM	2x4	P	LD	116	6/24/14	JT	AF	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D171	6/20/14	S-11/S-40	20' W of E EOS	BO	6/20/14	9:37 AM	2x8	P	LD	116	7/2/14	AV	CS	PASS	
D172	6/20/14	S-99/S-100	DF-35	DF	6/21/14	2:29 PM	2x5	P	LD	116	6/30/14	AV	DB	PASS	
D173	6/20/14	S-100/S-102	DF-36	DF	6/24/14	3:10 PM	2x5	P	LD	116	6/30/14	AV	DB	PASS	
D174	6/20/14	S-102/S-103	DF-37	DF	6/23/14	11:00 AM	2x5	P	LD	116	6/24/14	JT	AF	PASS	
D175	6/20/14	S-103/S-104	DF-38	DF	6/23/14	11:16 AM	2x4	P	LD	116	6/24/14	JT	AF	PASS	
D176	6/20/14	S-101/S-102/S-103	Intersection	INT	6/23/14	9:38 AM	2x7	P	LD	116	6/24/14	JT	AF	PASS	
D177	6/20/14	S-100/S-101/S-102	Intersection	INT	6/25/14	8:28 AM	3x3	P	LD	116	6/28/14	AV	DB	PASS	
D178	6/20/14	S-98/S-99/S-100	Intersection	INT	6/23/14	10:19 AM	2x4	P	LD	116	6/24/14	JT	AF	PASS	
D179	6/20/14	S-55	100' of N EOP/8' W	DO	6/20/14	2:07 PM	2x2	P	LD	116	6/20/14	JT	AF	PASS	
D180	6/20/14	S-85	17' E of W EOP/10' N	DO	6/21/14	11:58 AM	2x5	P	LD	116	6/26/14	EO	CS	PASS	
D181	6/20/14	S-59/S-88	2' N of S EOS	WR	6/21/14	1:38 PM	3x7	P	LD	116	6/26/14	EO	CS	PASS	
D182	6/21/14	S-75/S-100	DF-39	DF	6/23/14	8:30 AM	5x13	P	LD	116	6/24/14	JT	AF	PASS	Covers D186
D183	6/21/14	S-106/S-107	DF-40	DF	6/24/14	4:47 PM	2x5	P	LD	116	6/30/14	AV	DB	PASS	
D184	6/21/14	S-74/S-75/S-101	Intersection	INT	Covered by D159										
D185	6/21/14	S-75/S-100/S-101	Intersection	INT	Covered by D159										
D186	6/21/14	S-75/S-76/S-98/S-100	Intersection	INT	Covered by D182										
D187	6/21/14	S-76/S-98	19' W of E EOS	WR	6/23/14	8:06 AM	4x8	P	LD	116	6/24/14	JT	AF	PASS	
D188	6/21/14	S-76/S-77/S-97/S-98/S-99	Intersection/FS	INT/FS	6/23/14	7:45 AM	3x11	C	LD	116	6/24/14	JT	AF	PASS	Covers D189 & D210
D189	6/21/14	S-77/S-97/S-98/S-99	Intersection	INT	Covered by D188										
D190	6/21/14	S-77/S-78/S-97	Intersection	INT	6/23/14	7:21 AM	2x7	P	LD	116	6/24/14	JT	AF	PASS	
D191	6/21/14	S-78/S-96/S-97	Intersection	INT	6/23/14	7:02 AM	2x4	P	LD	116	6/24/14	JT	AF	PASS	
D192	6/21/14	S-78/S-80/S-96	Intersection	INT	6/21/14	5:35 PM	2x6	P	LD	116	6/24/14	JT	AF	PASS	
D193	6/21/14	S-80/S-95/S-96	Intersection	INT	6/21/14	5:29 PM	3x6	P	LD	116	6/24/14	JT	AF	PASS	
D194	6/21/14	S-80/S-81/S-95	Intersection	INT	6/21/14	5:18 PM	3x7	P	LD	116	6/24/14	JT	AF	PASS	
D195	6/21/14	S-81/S-92/S-95	Intersection	INT	6/21/14	5:08 PM	2x4	P	LD	116	6/24/14	JT	AF	PASS	
D196	6/21/14	S-81/S-83/S-92	Intersection	INT	Covered by D249										
D197	6/21/14	S-83/S-92/S-93	Intersection	INT	6/21/14	4:24 PM	2x2	P	LD	116	6/24/14	JT	AF	PASS	
D198	6/21/14	S-83/S-85/S-93	Intersection	INT	Covered by D209										
D199	6/21/14	S-85/S-91/S-93	Intersection	INT	Covered by D250										
D200	6/21/14	S-85/S-90/S-91	Intersection	INT	6/21/14	3:38 PM	2x5	P	LD	116	6/24/14	JT	AF	PASS	
D201	6/21/14	S-85/S-86/S-90	Intersection	INT	6/21/14	3:49 PM	2x5	P	LD	116	6/24/14	JT	AF	PASS	
D202	6/21/14	S-86/S-89/S-90	Intersection	INT	6/21/14	3:40 PM	5x12	P	LD	116	6/26/14	EO	CS	PASS	
D203	6/21/14	S-43/S-63	Entire seam	IO	Covered by D98										
D204	6/21/14	S-44/S-45/S-63	Intersection	INT	Covered by D98										
D205	6/21/14	S-107/S-109	DF-41	DF	6/24/14	3:56 PM	2x4	P	LD	116	6/24/14	JT	AF	PASS	
D206	6/21/14	S-110/S-111	DF-42	DF	Covered by D225										
D207	6/21/14	S-113/S-114	DF-43	DF	6/24/14	9:47 AM	2x5	P	LD	116	6/30/14	AV	DB	PASS	
D208	6/21/14	S-88	6' N of S EOP/7' W	DO	6/21/14	2:06 PM	2x2	P	LD	116	6/26/14	EO	CS	PASS	
D209	6/21/14	S-85/S-93	Entire seam	FS	6/21/14	4:10 PM	2x10	C	LD	116	6/28/14	AV	DB	PASS	Covers D198 & D199
D210	6/21/14	S-77/S-98	Entire seam	FS	Covered by D188										
D211	6/23/11	S-121/S-122	DF-44	DF	6/24/14	11:29 AM	2x5	P	LD	116	6/30/14	AV	DB	PASS	
D212	6/23/14	S-124/S-125	DF-45	DF	6/26/14	10:37 AM	2x5	P	JD	120	6/30/14	AV	DB	PASS	
D213	6/23/14	S-112/S-123	DF-46	DF	6/24/14	12:08 PM	3x12	P	LD	116	6/24/14	JT	AF	PASS	Covers D222

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D214	6/23/14	S-105/S-106	S EOS to 20' N	FS	6/24/14	4:48 PM	2x20	C	LD	116	6/30/14	AV	DB	PASS	
D215	6/23/14	S-115/S-116/S-117	Intersection	INT	6/24/14	9:54 AM	2x5	P	LD	116	6/30/14	AV	DB	PASS	
D216	6/23/14	S-115/S-117/S-118	Intersection	INT	6/24/14	10:04 AM	2x3	P	LD	116	6/30/14	AV	DB	PASS	
D217	6/23/14	S-114/S-115/S-118/S-119	Intersection	INT	6/24/14	10:15 AM	3x4	P	LD	116	6/30/14	VA	DB	PASS	
D218	6/23/14	S-114/S-119/S-120	Intersection	INT	6/24/14	10:31 AM	2x4	P	LD	116	6/30/14	VA	DB	PASS	
D219	6/23/14	S-113/S-114/S-120	Intersection	INT	Covered by D235										
D220	6/23/14	S-113/S-120/S-121	Intersection	INT	Covered by D235										
D221	6/23/14	S-112/S-113/S-121/S-123	Intersection	INT	6/24/14	11:40 AM	3x7	P	LD	116	6/24/14	JT	AF	PASS	
D222	6/23/14	S-112/S-122/S-123	Intersection	INT	Covered by D213										
D223	6/23/14	S-111/S-112/S-123	Intersection	INT	6/24/14	1:08 PM	2x4	P	LD	116	6/24/14	JT	AF	PASS	
D224	6/23/14	S-111/S-123/S-124	Intersection	INT	6/24/14	1:34 PM	2x4	P	LD	116	6/24/14	JT	AF	PASS	
D225	6/23/14	S-110/S-111/S-124/S-125	Intersection	INT	6/24/14	1:46 PM	3x7	P	LD	116	6/30/14	AV	DB	PASS	Covers D206
D226	6/23/14	S-110/S-125/S-126	Intersection	INT	6/24/14	2:38 PM	2x4	P	LD	116	7/10/14	AV	DB	PASS	
D227	6/23/14	S-109/S-110/S-126	Intersection	INT	6/25/14	7:54 AM	2x10	P	LD	116	6/30/14	AV	DB	PASS	
D228	6/23/14	S-127/S-128	DF-47	DF	6/26/14	9:35 AM	2x3	P	JD	120	6/30/14	AV	DB	PASS	
D229	6/23/14	S-109/S-126/S-127	Intersection	INT	6/25/14	7:38 AM	4x6	P	LD	116	6/30/14	AV	DB	PASS	
D230	6/23/14	S-107/S-109/S-127/S-128	Intersection	INT	6/24/14	5:29 PM	4x10	P	PL	116	6/28/14	AV	DB	PASS	
D231	6/23/14	S-128/S-129	DF-48	DF	6/25/14	7:17 AM	2x5	P	LD	116	6/30/14	AV	DB	PASS	
D232	6/23/14	S-129/S-130	125' E of W EOS	WR	6/26/14	9:35 AM	2x3	P	JD	120	6/30/14	AV	DB	PASS	
D233	6/24/14	S-123/S-124	67' E of W EOS	IO	6/26/14	2:02 PM	2x7	P	LD	120	6/30/14	AV	DB	PASS	
D234	6/24/14	S-107/S-128	13' N of S EOS	W	6/27/14	5:30 PM	2x7	P	LD	120	6/27/14	OT	AF	PASS	Covers D306
D235	6/24/14	S-113/S-120	Entire seam	FS	6/24/14	11:08 AM	3x15	C	LD	116	6/30/14	AV	DB	PASS	Covers D219 & D220
D236	6/24/14	S-110/S-125	19' S of N EOS	FS	6/24/14	2:00 AM	2x3	C	LD	116	7/10/14	AV	DB	PASS	
D237	6/24/14	S-118/S-119	At crest	IO	6/24/14	5:36 AM	4x5	P	LD	116	6/30/14	AV	DB	PASS	
D238	6/25/14	S-1/S-131	26' W of E EOS	WR	6/30/14	4:20 PM	2x3	P	PL	108	6/30/14	AV	DB	PASS	
D239	6/25/14	S-105/S-106/S-108	Intersection	INT	6/25/14	6:58 AM	4x6	P	LD	116	6/30/14	AV	DB	PASS	
D240	6/25/14	S-1/S-131	At anchor trench	IO	6/26/14	4:34 PM	2x5	P	LD	120	7/3/12	JT	CS	PASS	
D241	6/25/14	S-131/S-132	DF-49	DF	6/26/14	5:14 PM	2x5	P	LD	120	7/3/12	JT	CS	PASS	
D242	6/25/14	S-132/S-133	DF-50	DF	6/26/14	5:08 PM	2x5	P	LD	120	7/3/12	JT	CS	PASS	
D243	6/25/14	S-133/S-134	DF-51	DF	6/27/14	9:03 AM	2x5	P	LD	120	7/3/12	JT	CS	PASS	
D244	6/25/14	S-134/S-135/S-136	Intersection	INT	6/26/14	5:00 PM	2x5	P	LD	120	7/3/12	JT	CS	PASS	
D245	6/25/14	S-136/S-137	DF-52	DF	6/26/14	5:24 PM	2x5	P	LD	120	7/3/12	JT	CS	PASS	
D246	6/25/14	S-83	4' W EOP/5' E of S	PU	6/25/14	11:35 AM	3x4	P	LD	116	6/28/14	AV	DB	PASS	
D247	6/25/14	S-137/S-138	4' E of W EOS	WR	6/26/14	4:43 PM	2x4	P	LD	120	7/3/12	JT	CS	PASS	
D248	6/25/14	S-85	22' E of W EOP	W	6/25/14	12:02 PM	2x7	P	LD	116	6/28/14	AV	DB	PASS	
D249	6/25/14	S-81/S-83/S-92	Intersection	INT	6/25/14	10:18 AM	4x7	P	LD	116	6/28/14	AV	DB	PASS	Covers D196
D250	6/25/14	S-83/S-85/S-93	Intersection	INT	6/25/14	11:22 AM	4x5	P	LD	116	6/28/14	AV	DB	PASS	Covers D199
D251	6/26/14	S-120/S-121	At anchor trench	PT	6/26/14	12:57 PM	2x6	P	LD	116	6/30/14	AV	DB	PASS	
D252	6/26/14	S-121/S-122	At anchor trench	PT	6/26/14	12:03 PM	2x7	P	JD	120	6/30/14	AV	DB	PASS	
D253	6/26/14	S-122/S-123	At anchor trench	PT	6/26/14	11:00 AM	2x6	P	JD	120	6/30/14	AV	DB	PASS	
D254	6/26/14	S-125/S-126	At anchor trench	PT	6/26/14	10:30 AM	3x6	P	JD	120	6/30/14	AV	DB	PASS	
D255	6/26/14	S-1/S-131	18' W of E EOS	PT	6/30/14	4:10 PM	2x3	P	PL	108	6/30/14	JT	AF	PASS	
D256	6/26/14	S-67/S-69	34' E of W EOS	PU	6/26/14	9:00 AM	2x6	P	LD	116	6/26/14	EO	CS	PASS	Covers D121

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D257	6/26/14	S-137/S-138	50' W of E EOS	PT	6/27/14	8:40 AM	2x2	P	LD	120	7/3/14	JT	CS	PASS	
D258	6/26/14	S-63	35' W of E EOP/3' S	BO	6/26/14	9:20 AM	2x2	P	LD	116	6/26/14	EO	CS	PASS	
D259	6/26/14	S-138/S-139	3' E of W EOS	WR	6/26/14	5:47 AM	2x7	P	LD	120	7/3/14	JT	CS	PASS	
D260	6/26/14	S-138/S-139	DF-53	DF	6/27/14	8:02 AM	3x5	P	LD	120	7/3/14	JT	CS	PASS	
D261	6/26/14	S-139/S-140	DF-54	DF	6/27/14	7:52 AM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D262	6/26/14	S-138/S-139/S-140	Intersection	INT	6/26/14	5:34 PM	2x5	P	LD	120	7/3/14	JT	CS	PASS	
D263	6/26/14	S-119	11' S of N EOP/1' W	DO	6/26/14	1:02 AM	2x2	P	LD	116	6/30/14	AV	DB	PASS	
D264	6/26/14	S-141/S-142	DF-55	DF	6/27/14	8:26 AM	2x5	P	LD	120	7/3/14	JT	CS	PASS	
D265	6/26/14	S-142/S-143	DF-56	DF	6/27/14	8:12 AM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D266	6/26/14	S-119	35' of E EOP/6' S	DO	6/26/14	12:10 PM	2x3	P	LD	116	6/30/14	AV	DB	PASS	
D267	6/26/14	S-144/S-145	DF-57	DF	Covered by D440										
D268	6/26/14	S-139/S-140	At anchor trench	PT	6/26/14	4:50 AM	2x4	P	LD	116	7/3/12	JT	CS	PASS	
D269	6/27/14	S-146/S-147	DF-58	DF	6/27/14	11:23 AM	2x5	P	LD	120	6/30/14	AV	DB	PASS	
D270	6/27/14	S-147/S-148	DF-59	DF	6/27/14	11:29 AM	2x4	P	LD	120	6/30/14	AV	DB	PASS	
D271	6/27/14	S-148/S-149	DF-60	DF	Covered by D320										
D272	6/27/14	S-130/S-146	2' W of E EOS	WR	6/27/14	10:43 AM	2x7	P	LD	120	6/30/14	AV	DB	PASS	
D273	6/27/14	S-147/S-148	55' W of E EOS	PT	6/27/14	11:16 AM	2x4	P	LD	120	6/30/14	AV	DB	PASS	
D274	6/27/14	S-152/S-153	DF-61	DF-61	6/27/14	6:15 AM	2x5	P	LD	120	6/27/14	AV	BM	PASS	
D275	6/27/14	S-68/S-159	Entire seam	FS	Covered by D329										
D276	6/27/14	S-69/S-157/S-162	Intersection	INT	Covered by D332										
D277	6/27/14	S-155/S-157/S-162	Intersection	INT	Covered by D332										
D278	6/27/14	S-150/S-156	DF-62	DF	6/27/14	6:10 AM	2x4	P	PL	108	6/27/14	AV	BM	PASS	
D279	6/27/14	S-154/S-155/S-162	Intersection	INT	6/27/14	6:25 AM	2x3	P	PL	108	6/27/14	AV	CS	PASS	
D280	6/27/14	S-70/S-154/S-162	Intersection	INT	6/27/14	6:05 AM	2x5	P	LD	120	6/27/14	AV	CS	PASS	
D281	6/27/14	S-69/S-70/S-162	Intersection	INT	6/27/14	6:30 AM	2x4	P	PL	108	6/27/14	AV	CS	PASS	
D282	6/27/14	S-70/S-71/S-154	Intersection	INT	6/27/14	3:00 PM	2x3	P	JD	120	6/27/14	AV	BM	PASS	
D283	6/27/14	S-71/S-72/S-154	Intersection	INT	6/27/14	2:45 PM	2x3	P	JD	120	6/27/14	AV	BM	PASS	
D284	6/27/14	S-72/S-73/S-154	Intersection	INT	6/27/14	2:30 PM	2x3	P	JD	120	6/27/14	AV	BM	PASS	
D285	6/27/14	S-73/S-74/S-154	Intersection	INT	6/27/14	2:02 PM	10x3	P	LD	120	6/27/14	AV	BM	PASS	
D286	6/27/14	S-101/S-154	Entire seam	FS	6/27/14	2:15 PM	3x12	C	LD	120	6/27/14	AV	BM	PASS	Covers D287
D287	6/27/14	S-74/S-101/S-154	Intersection	INT	Covered by D286										
D288	6/27/14	S-101/S-103/S-154	Intersection	INT	6/27/14	2:20 PM	2x10	P	LD	120	6/27/14	AV	BM	PASS	
D289	6/27/14	S-68/S-158	DF-63	DF	Covered by D329										
D290	6/27/14	S-151/S-160	Entire seam	FS	6/27/14	3:02 PM	2x20	C	LD	120	6/27/14	OT	AF	PASS	Covers D309
D291	6/27/14	S-74/S-154	DX-2	DX/FS	6/27/14	2:04 PM	2x4	P	LD	120	6/27/14	AV	BM	PASS	
D292	6/27/14	S-103/S-104/S-153	Intersection	INT	Covered by D293										
D293	6/27/14	S-103/S-153	Entire seam	FS	6/27/14	1:35 PM	3x14	C	LD	120	6/27/14	AV	DB	PASS	Covers D292 & D294
D294	6/27/14	S-103/S-153/S-154	Intersection	INT	Covered by D293										
D295	6/27/14	S-105/S-152/S-153	Intersection	INT	Covered by D296										
D296	6/27/14	S-105/S-153	Entire seam	FS	6/27/14	12:46 PM	3x14	C	LD	120	6/27/14	AV	BM	PASS	Covers D295 & D297
D297	6/27/14	S-104/S-105/S-153	Intersection	INT	Covered by D296										
D298	6/27/14	S-108/S-151/S-152	Intersection	INT	Covered by D299										
D299	6/27/14	S-108/S-152	Entire seam	FS	6/27/14	12:58 PM	3x13	C	LD	120	6/27/14	OT	AF	PASS	Covers D298 & D300

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D300	6/27/14	S-105/S-108/S-152	Intersection	INT	Covered by D299										
D301	6/27/14	S-106/S-107	292' N of S EOS	BO	6/28/14	8:48 AM	5x6	P	LD	120	6/30/14	AV	DB	PASS	
D302	6/27/14	S-106/S-107/S-108	Intersection	INT	Covered by D303										
D303	6/27/14	S-107/S-108	Entire seam	FS	6/27/14	4:45 PM	3x7	C	JD	120	6/27/14	OT	AF	PASS	Covers D302 & D304
D304	6/27/14	S-107/S-108/S-129	Intersection	INT	Covered by D303										
D305	6/27/14	S-107/S-128/S-129	Intersection	INT	6/27/14	5:00 PM	2x6	P	JD	120	6/27/14	OT	AF	PASS	
D306	6/27/14	S-107/S-128	19' N of S EOS	W	6/27/14	5:10 PM	2x19	P	JD	120	6/27/14	OT	AF	PASS	Covered by D234
D307	6/27/14	S-108/S-151	Entire seam	W/FS	6/27/14	5:40 PM	4x23	C	LD	120	6/27/14	OT	AF	PASS	
D308	6/27/14	S-108/S-129/S-151	Intersection	INT	Covered by D334										
D309	6/27/14	S-151/S-152/S-160	Intersection	INT	Covered by D290										
D310	6/27/14	S-130/S-151/S-160	Intersection	INT	6/27/14	4:29 PM	5x5	P	LD	120	6/27/14	OT	AF	PASS	
D311	6/27/14	S-130/S-146/S-160	Intersection	INT	6/27/14	5:35 PM	2x5	P	JD	120	6/27/14	OT	AF	PASS	
D312	6/27/14	S-152/S-160/S-161	Intersection	INT	6/27/14	3:36 PM	2x3	P	LD	120	6/27/14	OT	AF	PASS	
D313	6/27/14	S-147/S-160/S-161	Intersection	INT	Covered by D314										
D314	6/27/14	S-147/S-160	Entire seam	FS	6/27/14	4:05 PM	2x13	C	LD	120	6/27/14	OT	AF	PASS	Covers D313 & D315
D315	6/27/14	S-146/S-147/S-160	Intersection	INT	Covered by D314										
D316	6/27/14	S-152/S-156/S-161	Intersection	INT	6/27/14	4:19 PM	2x4	P	LD	120	6/27/14	OT	AF	PASS	
D317	6/27/14	S-148/S-156/S-161	Intersection	INT	Covered by D318										
D318	6/27/14	S-148/S-161	Entire seam	FS	6/27/14	4:14 PM	3x9	C	LD	120	6/27/14	OT	AF	PASS	Covers D317 & D319
D319	6/27/14	S-147/S-148/S-161	Intersection	INT	Covered by D318										
D320	6/27/14	S-148/S-149/S-156	Intersection	INT	6/27/14	4:22 PM	2x6	P	LD	120	6/27/14	OT	AF	PASS	Covered D271
D321	6/27/14	S-149/S-150/S-156	Intersection	INT	6/27/14	6:20 PM	2x3	P	PL	108	6/27/14	OT	AF	PASS	
D322	6/27/14	S-68/S-69/S-163	Intersection	INT	6/27/14	6:50 PM	2x7	P	LD	120	6/27/14	AV	CS	PASS	
D323	6/27/14	S-68/S-158/S-163	Intersection	INT	Covered by D329										
D324	6/27/14	S-69/S-157/S-158/S-163	Intersection	INT	6/27/14	6:35 AM	2x5	P	LD	120	6/27/14	AV	CS	PASS	
D325	6/27/14	S-153	69' S of N EOP/9' E	PU	6/27/14	5:45 PM	3x3	P	LD	120	6/27/14	AV	BM	PASS	
D326	6/27/14	S-129/S-130/S-151	Intersection	INT	6/27/14	5:20 PM	3x8	P	LD	120	6/27/14	OT	AF	PASS	
D327	6/27/14	S-67/S-68/S-159	Intersection	INT	Covered by D329										
D328	6/27/14	S-68/S-158/S-159	Intersection	INT	Covered by D329										
D329	6/27/14	S-158/S-159	Entire seam	INT/FS	6/27/14	6:55 AM	2x23	C	LD	120	6/27/14	AV	CS	PASS	Covers D275, D289, D323, D327, D328, D330
D330	6/27/14	S-68/S-163	Entire seam	FS	Covered by D329										
D331	6/27/14	S-71/S-72	292' E of W EOS	BO	6/27/14	5:55 PM	2x4	P	LD	120	6/27/14	AV	BM	PASS	
D332	6/27/14	S-157/S-162	Entire seam	FS	6/27/14	6:25 AM	3x9	C	LD	120	6/27/14	AV	CS	PASS	Covers D276 & D277
D333	6/27/14	S-67/S-159	35' S of N EOS	BO	6/27/14	6:45 PM	2x2	P	PL	108	6/27/14	AV	BM	PASS	
D334	6/27/14	S-129/S-151	Entire seam	IO	6/27/14	6:49 PM	2x12	C	JD	120	6/27/14	OT	AF	PASS	Covers D308 & D335
D335	6/27/14	S-129/S-130/S-151	Intersection	INT	Covered by D334										
D336	6/28/14	S-165/S-166	DF-64	DF	6/30/14	2:55 PM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D337	6/28/14	S-166/S-167	DF-65	DF	6/30/14	2:47 PM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D338	6/28/14	S-167/S-168	DF-66	DF	7/3/14	2:15 PM	2x4	P	JD	108	7/11/14	JT	CS	PASS	
D339	6/28/14	S-168/S-169	DF-67	DF	6/30/14	4:28 PM	2x5	P	LD	120	7/3/14	JT	CS	PASS	
D340	6/28/14	S-145/S-164	2' E of W EOS	WR	6/30/14	2:27 PM	3x6	P	LD	120	7/3/14	JT	CS	PASS	
D341	6/28/14	S-145/S-164	175' E of W EOS	BO	6/30/14	3:09 PM	2x12	P	LD	120	7/3/14	JT	CS	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D342	6/28/14	S-145/S-164	290' E of W EOS	BO	7/2/14	8:04 AM	3x6	P	LD	120	7/3/14	JT	CS	PASS	
D343	6/28/14	S-169/S-170	293' E of W EOS	BO	7/2/14	7:36 AM	2x3	P	LD	120	7/3/14	JT	CS	PASS	
D344	6/28/14	S-154	4' W of E EOP/4' N	DO	8/23/14	8:30 AM	10x15	P	LD	116	8/23/14	JT	CS	PASS	
D345	6/30/14	S-171/S-172	2' E of W EOS	WR	6/30/14	2:38 PM	3x6	P	LD	120	7/3/14	JT	CS	PASS	
D346	6/30/14	S-171/S-172	DF-68	DF	6/30/14	3:21 PM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D347	6/30/14	S-172/S-173	DF-69	DF	6/30/14	3:30 PM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D348	6/30/14	S-173/S-174	DF-70	DF	6/30/14	4:10 PM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D349	6/30/14	S-179/S-182	DF-71	DF	6/30/14	2:27 PM	2x3	P	PL	108	6/30/14	JT	AF	PASS	
D350	6/30/14	S-179/S-180/S-181	Intersection	INT	6/30/14	2:37 PM	2x3	P	PL	108	6/30/14	JT	AF	PASS	
D351	6/30/14	S-65/S-179/S-180/S-181	Intersection	INT	6/30/14	5:55 PM	2x5	P	PL	108	6/30/14	JT	BM	PASS	
D352	6/30/14	S-175/S-179/S-181	Intersection	INT	6/30/14	2:15 PM	3x5	P	PL	108	6/30/14	JT	AF	PASS	
D353	6/30/14	S-175/S-178/S-179	Intersection	INT	6/30/14	2:55 PM	2x4	P	PL	108	6/30/14	JT	AF	PASS	
D354	6/30/14	S-178/S-179/S-182	Intersection	INT	6/30/14	2:48 PM	2x2	P	PL	108	6/30/14	JT	AF	PASS	
D355	6/30/14	S-177/S-178/S-182	Intersection	INT	6/30/14	3:05 PM	2x3	P	PL	108	6/30/14	JT	AF	PASS	
D356	6/30/14	S-175/S-177/S-178	Intersection	INT	6/30/14	3:00 PM	2x2	P	PL	108	6/30/14	JT	AF	PASS	
D357	6/30/14	S-176/S-177/S-182	Intersection	INT	6/30/14	3:15 PM	2x2	P	PL	108	6/30/14	JT	AF	PASS	
D358	6/30/14	S-175/S-176/S-177	Intersection	INT	6/30/14	3:25 PM	2x3	P	PL	108	6/30/14	JT	AF	PASS	
D359	6/30/14	S-176/S-182/S-183	Intersection	INT	6/30/14	3:35 PM	2x3	P	PL	108	6/30/14	JT	AF	PASS	
D360	6/30/14	S-132/S-133/S-175	Intersection	INT	6/30/14	3:58 PM	2x2	P	PL	108	6/30/14	JT	AF	PASS	
D361	6/30/14	S-131/S-132/S-175	Intersection	INT	6/30/14	3:50 PM	2x7	P	PL	108	6/30/14	JT	AF	PASS	Covers D370
D362	6/30/14	S-1/S-131/S-175	Intersection	INT	6/30/14	4:05 PM	2x2	P	PL	108	6/30/14	JT	AF	PASS	
D363	6/30/14	S-1/S-2/S-175	Intersection	INT	6/30/14	4:25 PM	2x2	P	PL	108	6/30/14	JT	AF	PASS	
D364	6/30/14	S-2/S-3/S-175	Intersection	INT	6/30/14	5:25 PM	2x8	P	PL	108	6/30/14	JT	BM	PASS	
D365	6/30/14	S-3/S-4/S-175	Intersection	INT	6/30/14	4:37 PM	2x2	P	PL	108	6/30/14	JT	AF	PASS	
D366	6/30/14	S-4/S-175	17' S of N EOS	PT/FS	6/30/14	4:53 PM	2x11	C	PL	108	6/30/14	JT	AF	PASS	
D367	6/30/14	S-4/S-5/S-175	Intersection	INT	6/30/14	4:53 PM	2x11	P	PL	108	6/30/14	JT	AF	PASS	
D368	6/30/14	S-5/S-6/S-175	Intersection	INT	6/30/14	5:00 PM	2x2	P	PL	108	6/30/14	JT	BM	PASS	
D369	6/30/14	S6/S-7/S-175	Intersection	INT	6/30/14	5:08 PM	2x3	P	LD	120	6/30/14	JT	BM	PASS	
D370	6/30/14	S-131/S-175	DF-72	DF	Covered by D361										
D371	6/30/14	S-7/S-8/S-175	Intersection	INT	6/30/14	5:01 PM	2x2	P	LD	120	6/30/14	JT	BM	PASS	
D372	6/30/14	S-8/S-175	17' S of N EOS	PT	6/30/14	5:32 PM	3x7	C	LD	120	6/30/14	JT	BM	PASS	Covers D373
D373	6/30/14	S-8/S-9/S-175	Intersection	INT	Covered by D372										
D374	6/30/14	S-9/S-10/S-175	Intersection	INT	6/30/14	5:39 PM	2x2	P	LD	120	6/30/14	JT	AF	PASS	
D375	6/30/14	S-10/S-175	12' S of N EOS	W	6/30/14	6:05 PM	3x15	P	LD	120	6/30/14	JT	AF	PASS	
D376	6/30/14	S-10/S-11/S-175	Intersection	INT	6/30/14	6:10 PM	2x3	P	LD	120	6/30/14	JT	AF	PASS	
D377	6/30/14	S-11/S-40/S-61/S-175	Intersection	INT	6/30/14	6:26 PM	3x12	P	LD	120	6/30/14	JT	AF	PASS	
D378	6/30/14	S-61/S-175/S-181	Intersection	INT	Covered by D379										
D379	6/30/14	S-61/S-181	Entire seam	FS	6/30/14	6:39 PM	2x8	C	LD	120	6/30/14	JT	BM	PASS	Covers D378 & D380
D380	6/30/14	S-61/S-65/S-181	Intersection	INT	Covered by D379										
D381	6/30/14	S-65/S-66/S-180	Intersection	INT	6/30/14	6:40 PM	2x3	P	PL	108	6/30/14	JT	BM	PASS	
D382	6/30/14	S-66/S-67/S-180	Intersection	INT	6/30/14	6:23 PM	3x3	P	PL	108	6/30/14	JT	BM	PASS	
D383	6/30/14	S-67/S-159/S-180/S-182	Intersection	INT	6/30/14	6:28 PM	3x7	P	PL	108	6/30/14	JT	BM	PASS	
D384	6/30/14	S-158/S-159/S-182	Intersection	INT	6/30/14	6:00 PM	2x3	P	PL	108	6/30/14	JT	BM	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D385	7/2/14	S-182/S-183/S-184	Intersection	INT	7/2/14	9:00 AM	2x2	P	LD	120	7/2/14	AV	CS	PASS	
D386	7/2/14	S-182/S-184/S-185	Intersection	INT	7/2/14	9:03 AM	2x2	P	LD	120	7/2/14	AV	CS	PASS	
D387	7/2/14	S-182/S-185	DF-73	DF	7/2/14	9:21 AM	2x5	P	LD	120	7/2/14	AV	DB	PASS	
D388	7/2/14	S-171/S-172	200' E of W EOS	IO	7/2/14	3:39 PM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D389	7/2/14	S-158/S-159/S-185	Intersection	INT	7/2/14	9:59 AM	3x3	P	LD	120	7/2/14	AV	DB	PASS	
D390	7/2/14	S-157/S-158/S-185	Intersection	INT	7/2/14	9:48 AM	2x2	P	LD	120	7/2/14	AV	DB	PASS	
D391	7/2/14	S-186/S-187	DF-74	DF	7/2/14	11:40 AM	2x5	P	LD	120	7/3/14	JT	DB	PASS	
D392	7/2/14	S-187/S-188	DF-75	DF	7/2/14	11:49 AM	2x5	P	LD	120	7/3/14	JT	DB	PASS	
D393	6/28/14	S-96	36' S of N EOP/18' W	DO	6/28/14	4:15 PM	2x4	P	PL	120	6/28/14	AV	DB	PASS	
D394	6/28/14	S-96	30' S of N EOP/15' W	DO	6/28/14	4:10 PM	2x6	P	PL	120	6/28/14	AV	DB	PASS	
D395	7/2/14	S-150/S-186	10' E of W EOS	WR	7/2/14	10:40 AM	3x5	P	LD	120	7/2/14	AV	DB	PASS	
D396	7/2/14	S-150/S-186	2' W of E EOS	WR	7/2/14	12:08 PM	3x6	P	LD	120	7/2/14	AV	DB	PASS	
D397	6/26/14	S-26	10' E of W EOP/14' N	DO	6/30/14	9:15 AM	2x2	P	LD	120	6/30/14	AV	DB	PASS	
D398	6/28/14	S-99	81' S of W EOP/11' W	DO	6/28/14	4:40 PM	2x5	P	PL	120	6/28/14	AV	DB	PASS	
D399	7/2/14	S-190/S-191	DF-76	DF	7/2/14	12:16 PM	2x5	P	LD	120	7/2/14	AV	DB	PASS	
D400	7/2/14	S-191/S-192	DF-77	DF	7/2/14	12:25 PM	2x5	P	LD	120	7/2/14	AV	DB	PASS	
D401	7/2/14	S-192/S-193	DF-78	DF	7/2/14	12:42 PM	2x5	P	LD	120	7/10/14	JT	CS	PASS	
D402	7/2/14	S-174/S-196	DF-79	DF	7/3/14	10:11 AM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D403	7/2/14	S-174/S-196	2' E of W EOS	WR	7/3/14	12:49 PM	2x7	P	LD	120	7/3/12	AV	DB	PASS	
D404	7/2/14	S-150/S-156/S-186/S-194	Intersection	INT	7/2/14	6:44 PM	3x2	P	LD	120	7/2/14	JT	DB	PASS	
D405	7/2/14	S-186/S-187/S-194/S-195	Intersection	INT	7/2/14	6:45 PM	4x4	P	LD	120	7/2/14	JT	DB	PASS	
D406	7/2/14	S-152/S-156/S-194	Intersection	INT	7/2/14	6:36 PM	3X2	P	LD	120	7/2/14	JT	DB	PASS	
D407	7/2/14	S-152/S-153/S-194	Intersection	INT	7/2/14	6:34 PM	2x2	P	LD	120	7/2/14	JT	DB	PASS	
D408	7/2/14	S-153/S-155/S-194	Intersection	INT	7/2/14	6:10 PM	2x2	P	LD	120	7/2/14	JT	DB	PASS	
D409	7/2/14	S-155/S-157/S-194	Intersection	INT	7/2/14	6:08 PM	2x2	P	LD	120	7/2/14	JT	DB	PASS	
D410	7/2/14	S-157/S-185/S-194	Intersection	INT	7/2/14	5:50 PM	2x4	P	LD	120	7/2/14	JT	DB	PASS	
D411	7/2/14	S-185/S-194/S-195	Intersection	INT	7/2/14	5:54 PM	2x2	P	LD	120	7/2/14	JT	DB	PASS	
D412	7/2/14	S-76	5' W of E EOP/3' N	DO	7/2/14	3:43 PM	2x10	P	LD	120	7/2/14	AV	BM	PASS	
D413	7/2/14	S-197/S-198	DF-80	DF	7/2/14	10:25 AM	2x5	P	LD	120	7/3/14	JT	CS	PASS	
D414	7/2/14	S-198/S-199	DF-81	DF	7/3/14	10:33 AM	2x4	P	LD	120	7/3/14	JT	CS	PASS	
D415	7/2/14	S-194	6' N of W EOP/15' E	DO	7/2/14	6:05 PM	1x1	P	LD	120	7/3/14	JT	CS	PASS	
D416	7/2/14	S-194	6' N of W EOP/20' E	DO	7/2/14	6:05 PM	1x1	P	LD	120	7/3/14	JT	CS	PASS	
D417	7/2/14	S-194	5' S of W EOP/18' E	DO	7/2/14	6:02 PM	1x1	P	LD	120	7/3/14	JT	CS	PASS	
D418	7/2/14	S-194	6' S of N EOP/5' E	DO	7/2/14	5:57 PM	1x1	P	LD	120	7/3/14	JT	CS	PASS	
D419	7/2/14	S-195	4' N of EOP/15' E	DO	7/2/14	6:00 PM	1x1	P	LD	120	7/3/14	JT	CS	PASS	
D420	7/2/14	S-195	8' S of W EOP/20' E	DO	7/2/14	6:15 PM	2x2	P	LD	120	7/3/14	JT	CS	PASS	
D421	7/3/14	S-194	15' W of E EOP/10' N	DO	7/3/14	2:01 PM	2x2	P	LD	120	7/3/14	JT	BM	PASS	
D422	7/3/14	S-194	50' W of E EOP/5' N	DO	7/3/14	7:15 AM	2x2	P	LD	120	7/3/14	JT	BM	PASS	
D423	7/3/14	S-195	54' W of E EOP/6' N	DO	7/3/14	7:40 AM	2x2	P	LD	120	7/3/14	AV	BM	PASS	
D424	7/3/14	S-195	56' W of E EOP/10' N	DO	7/3/14	7:43 AM	2x2	P	LD	120	7/3/14	AV	BM	PASS	
D425	7/3/14	S-195	44' W of E EOP/16' N	DO	7/3/14	7:30 AM	2x2	P	LD	120	7/3/14	AV	BM	PASS	
D426	7/3/14	S-195	45' W of E EOP/19' N	DO	7/3/14	7:36 AM	2x2	P	LD	120	7/3/14	AV	BM	PASS	
D427	7/3/14	S-203/S-204	DF-82	DF	7/3/14	12:15 PM	2x4	P	JD	108	7/3/14	JT	CS	PASS	

**Cripple Creek & Victor Gold Mining Company
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DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D428	7/3/14	S-133/S-134/S-136/S-175/ S-200	Intersection	INT	7/3/14	11:37 AM	4x10	P	JD	108	7/3/14	JT	CS	PASS	
D429	7/3/14	S-136/S-137/S-200	Intersection	INT	7/3/14	11:48 AM	2x8	P	JD	108	7/3/14	JT	CS	PASS	Covers D430
D430	7/3/14	S-137/S-200	DF-83	DF	Covered by D429										
D431	7/3/14	S-137/S-138/S-140/S-200	Intersection	INT	7/3/14	12:00 PM	2x12	P	JD	108	7/3/14	JT	CS	PASS	
D432	7/3/14	S-140/S-141/S-200	Intersection	INT	Covered by D433										
D433	7/3/14	S-141/S-200	Entire seam	FS	7/3/14	12:26 PM	2x10	C	JD	108	7/3/14	JT	CS	PASS	Covers D432 & D434
D434	7/3/14	S-141/S-200/S-201	Intersection	INT	Covered by D433										
D435	7/3/14	S-141/S-142/S-201	Intersection	INT	7/3/14	12:32 PM	2x3	P	JD	108	7/3/14	JT	CS	PASS	
D436	7/3/14	S-142/S-143/S-201	Intersection	INT	7/3/14	12:38 PM	2x2	P	JD	108	7/3/14	JT	CS	PASS	
D437	7/3/14	S-143/S-144/S-201	Intersection	INT	Covered by D438										
D438	7/3/14	S-144/S-201	Entire seam	FS	7/3/14	12:45 PM	2x10	C	JD	108	7/3/14	JT	CS	PASS	Covers D437 & D439
D439	7/3/14	S-144/S-201/S-202	Intersection	INT	Covered by D438										
D440	7/3/14	S-144/S-145/S-202	Intersection	INT	7/3/14	1:00 PM	3x5	P	JD	108	7/3/14	JT	CS	PASS	Covers D267
D441	7/3/14	S-145/S-164/S-202	Intersection	INT	7/3/14	1:04 PM	2x2	P	JD	108	7/3/14	JT	CS	PASS	
D442	7/3/14	S-164/S-202/S-204	Intersection	INT	Covered by D443										
D443	7/3/14	S-164/S-204	Entire seam	FS	7/3/14	1:23 PM	5x14	C	JD	108	7/3/14	JT	CS	PASS	Covers D442 & D444
D444	7/3/14	S-164/S-165/S-204	Intersection	INT	Covered by D443										
D445	7/3/14	S-165/S-166/S-204	Intersection	INT	7/3/14	1:50 PM	2x4	P	JD	108	7/3/14	JT	CS	PASS	
D446	7/3/14	S-166/S-204	N EOS to 10' S	FS	7/3/14	2:00 PM	3X10	C	JD	108	7/3/14	JT	CS	PASS	Covers D447
D447	7/3/14	S-166/S-167/S-204	Intersection	INT	Covered by D446										
D448	7/3/14	S-175/S-176/S-200/S-201	Intersection	INT	7/3/14	11:26 AM	3x3	P	JD	108	7/3/14	JT	CS	PASS	
D449	7/3/14	S-176/S-183/S-201	Intersection	INT	7/3/14	11:20 AM	2x5	P	JD	108	7/3/14	JT	CS	PASS	
D450	7/3/14	S-183/S-201/S-202	Intersection	INT	7/3/14	11:13 AM	2x2	P	JD	108	7/3/14	JT	CS	PASS	
D451	7/3/14	S-183/S-184	28' S of N EOS	WR	7/3/14	11:03 AM	2x3	P	JD	108	7/3/14	JT	CS	PASS	
D452	7/3/14	S-183/S-184/S-203	Intersection	INT	Covered by D453										
D453	7/3/14	S-183/S-203	Cap INT's & 5' seam	INT/IO	7/3/14	10:57 AM	2x8	C	JD	108	7/3/14	JT	CS	PASS	Covers D452 & D454
D454	7/3/14	S-183/S-202/S-203	Intersection	INT	Covered by D453										
D455	7/3/14	S-202/S-203/S-204	Intersection	INT	7/3/14	12:10 PM	2x2	P	JD	108	7/3/14	JT	CS	PASS	
D456	7/10/14	S-193/S-205	1' W of E EOS	IO	7/10/14	1:13 PM	3x5	P	LD	120	7/10/14	JT	CS	PASS	
D457	7/10/14	S-193/S-205	272' W of E EOS	WR	7/10/14	3:20 PM	2x6	P	JD	108	7/11/14	AV	BM	PASS	
D458	7/10/14	S-205/S-206	DF-84	DF	7/10/14	2:31 PM	2x5	P	LD	120	7/10/14	JT	CS	PASS	
D459	7/10/14	S-206/S-207	DF-85	DF/FS	7/11/14	10:10 AM	2x71	C	LD	116	7/11/14	AV	BM	PASS	Covers D465 & D466
D460	7/10/14	S-209/S-210	DF-86	DF	7/10/14	2:47 PM	2x5	P	LD	120	7/10/14	AV	BM	PASS	
D461	7/10/14	S-209/S-210	1' W of E EOS	BO	7/10/14	3:25 PM	2x6	P	LD	120	7/10/14	AV	BM	PASS	
D462	7/10/14	S-210/S-211	248' W of E EOS	BO	7/10/14	3:05 PM	2x2	P	JD	108	7/10/14	AV	BM	PASS	
D463	7/10/14	S-210/S-211	DF-87	DF	7/10/14	3:09 PM	2x5	P	LD	120	7/10/14	AV	BM	PASS	
D464	7/10/14	S-192	1' W of E EOP/7' W	DO	7/10/14	2:18 PM	2X2	P	LD	120	7/10/14	AV	BM	PASS	
D465	7/10/14	S-206/S-207	DF-85B	DF/FS	Covered by D459										
D466	7/10/14	S-206/S-207	DF-85A	DF/FS	Covered by D459										
D467	7/10/14	S-176	5' S of N EOP/ 7' W	DO	7/10/14	4:15 PM	2x2	P	LD	120	7/10/14	AV	BM	PASS	
D468	7/11/14	S-212/S-213	2' W of E EOS	IO	7/11/14	1:38 PM	2x2	P	LD	116	7/11/14	AV	CS	PASS	
D469	7/11/14	S-212/S-213	DF-88	DF	7/15/14	12:00 PM	2x5	P	AR	120	7/16/14	AV	DB	PASS	

**Cripple Creek & Victor Gold Mining Company
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DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D470	7/11/14	S-213/S-214	DF-89	DF	7/15/14	12:20 PM	2x5	P	AR	120	7/16/14	AV	DB	PASS	
D471	7/11/14	S-213/S-214	3' W of E EOS	BO	7/15/14	12:25 PM	2x2	P	AR	120	7/16/14	AV	DB	PASS	
D472	7/11/14	S-216/S-217	DF-90	DF	7/15/14	12:45 PM	2x5	P	AR	120	7/16/14	AV	DB	PASS	
D473	7/11/14	S-217/S-218	DF-91	DF	7/15/14	12:36 PM	2x5	P	AR	120	7/16/14	AV	DB	PASS	
D474	7/11/14	S-217/S-218	2' W of E EOS	BO	7/11/14	1:26 PM	3x3	P	LD	116	7/11/14	AV	CS	PASS	
D475	7/21/14	S-11	3' E EOP/6' N	DO	7/21/14	11:15 AM	2x3	P	JD	116	7/21/14	JT	AF	PASS	
D476	7/22/14	S-187/S-188/S-195/S-220	Intersection	INT	7/22/14	4:52 PM	3x7	P	LD	108	7/22/14	EO	BM	PASS	
D477	7/22/14	S-185/S-195/S-220	Intersection	INT	Covered by D487										
D478	7/22/14	S-188/S-189/S-220/S-221	Intersection	INT	7/22/14	5:25 PM	3x4	P	LD	108	7/22/14	EO	BM	PASS	
D479	7/22/14	S-185/S-220/S-221	Intersection	INT	Covered by D488										
D480	7/22/14	S-189/S-190/S-221/S-222	Intersection	INT	7/22/14	5:35 PM	2x15	P	LD	108	7/22/14	EO	BM	PASS	
D481	7/22/14	S-221/S-222/S-223	Intersection	INT	7/22/14	1:33 PM	2x5	P	LD	116	7/22/14	EO	BM	PASS	
D482	7/22/14	S-185/S-221/S-223	Intersection	INT	7/22/14	2:18 PM	2x3	P	JD	120	7/22/14	EO	BM	PASS	
D483	7/22/14	S-185/S-223/S-224	Intersection	INT	7/22/14	2:15 PM	2x6	P	JD	120	7/22/14	EO	BM	PASS	
D484	7/22/14	S-222/S-223/S-224	Intersection	INT	7/22/14	2:00 PM	3x4	P	JD	120	7/22/14	EO	BM	PASS	
D485	7/22/14	S-190/S-191/S-222/S-224	Intersection	INT	7/22/14	4:35 PM	2x8	P	LD	108	7/22/14	EO	BM	PASS	
D486	7/22/14	S-222/S-223	7' S of N EOS	DO	7/22/14	2:05 PM	2x2	P	JD	120	7/22/14	EO	BM	PASS	
D487	7/22/14	S-195/S-220	DF-92	DF	7/22/14	5:50 PM	2x15	P	JD	120	7/22/14	EO	BM	PASS	Covers D477
D488	7/22/14	S-220/S-221	DF-93	DF	7/22/14	5:25 PM	2x10	P	JD	120	7/22/14	EO	BM	PASS	Covers D479
D489	7/22/14	S-189	10' E of W EOP/4' S	W	7/22/14	5:35 PM	2x15	P	LD	108	7/22/14	EO	BM	PASS	
D490	7/22/14	S-220	7' S of N EOP/5' W	DO	7/22/14	5:30 PM	2x3	P	LD	108	7/22/14	EO	BM	PASS	
D491	7/22/14	S-195	65' W of E EOP/7' S	DO	7/22/14	5:45 PM	2x2	P	LD	108	7/22/14	EO	BM	PASS	
D492	7/22/14	S-220	77' W of E EOP/4' N	DO	7/22/14	6:02 PM	2x2	P	LD	108	7/22/14	EO	BM	PASS	
D493	7/23/14	S-151	6' W of E EOP/6' S	DO	7/23/14	2:10 PM	2x3	P	PL	120	7/23/14	LD	BM	PASS	
D494	7/23/14	S-152	7' W of S-151/152/160	DO	7/23/14	2:28 PM	2x2	P	PL	120	7/23/14	LD	BM	PASS	
D495	7/23/14	S-160	10' S of N EOP/4' E	DO	7/23/14	2:40 PM	2x2	P	PL	120	7/23/14	LD	BM	PASS	
D496	7/24/14	S-191/S-192/S-224/S-225	Intersection	INT	7/24/14	10:40 AM	4x6	P	LD	120	7/24/14	JT	MN	PASS	
D497	7/24/14	S-185/S-224/S-225	Intersection	INT	Covered by D515										
D498	7/24/14	S-185/S-225/S-226	Intersection	INT	7/24/14	1:10 PM	2x3	P	JT	108	7/24/14	JT	BM	PASS	
D499	7/24/14	S-192/S-193/S-225/S-226	Intersection	INT	7/24/14	10:57 AM	2x3	P	LD	120	7/24/14	JT	BM	PASS	
D500	7/24/14	S-193/S-205	280' W of E EOS	WR	7/24/14	11:21 AM	2x3	P	LD	120	7/24/14	JT	BM	PASS	
D501	7/24/14	S-193/S-205/S-226	Intersection	INT	Covered by D502										
D502	7/24/14	S-205/S-226	Entire seam	FS	7/24/14	11:05 AM	2x7	C	LD	120	7/24/14	JT	BM	PASS	Covers D501 & D503
D503	7/24/14	S-205/S-226/S-227	Intersection	INT	Covered by D502										
D504	7/24/14	S-206/S-228	DF-94	DF	7/24/14	11:50 AM	2x10	P	LD	120	7/24/14	JT	BM	PASS	Covers D509
D505	7/24/14	S-226/S-227	DF-95	DF	7/24/14	1:06 PM	2x5	P	LD	120	7/24/14	JT	BM	PASS	
D506	7/24/14	S-205/S-206	280' W of E EOS	WR	7/24/14	11:29 AM	2x3	P	LD	120	7/24/14	JT	BM	PASS	
D507	7/24/14	S-205/S-206/S-227/S-228	Intersection	INT	7/24/14	11:15 AM	3x6	P	LD	120	7/24/14	JT	BM	PASS	
D508	7/24/14	S-206/S-207	272' W of E EOS	WR	7/24/14	11:37 AM	2x6	P	LD	120	7/24/14	JT	BM	PASS	
D509	7/24/14	S-206/S-207/S-228/S-229	Intersection	INT	Covered by D504										
D510	7/24/14	S-228/S-229/S-230	Intersection	INT	7/24/14	1:20 PM	2x3	P	JT	108	7/24/14	JT	BM	PASS	
D511	7/24/14	S-228/S-230/S-231	Intersection	INT	7/24/14	1:14 PM	2x3	P	LD	120	7/24/14	JT	BM	PASS	
D512	7/24/14	S-185/S-226/S-227	Intersection	INT	7/24/14	12:15 PM	2x3	P	JT	108	7/24/14	JT	BM	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D513	7/24/14	S-185/S-227/S-228	Intersection	INT	7/24/14	12:20 PM	2x3	P	JT	108	7/24/14	JT	BM	PASS	
D514	7/24/14	S-185/S-228/S-231	Intersection	INT	7/24/14	12:25 PM	2x3	P	JT	108	7/24/14	JT	BM	PASS	
D515	7/24/14	S-185/S-225	DF-96	DF/INT	7/24/14	12:05 PM	2x10	P	JT	108	7/24/14	JT	BM	PASS	Covers D497
D516	7/24/14	S-211/S-212	DF-97	DF	7/24/14	2:21 PM	2x8	P	LD	120	7/24/14	JT	BM	PASS	Covers D521
D517	7/24/14	S-207/S-208	269' W of E EOS	WR	7/24/14	1:48 PM	2x4	P	LD	120	7/24/14	JT	BM	PASS	
D518	7/24/14	S-208/S-209	264' W of E EOS	WR	7/24/14	1:55 PM	2x4	P	LD	120	7/24/14	JT	BM	PASS	
D519	7/24/14	S-209/S-210	259' W of E EOS	WR	7/24/14	2:04 PM	2x4	P	LD	120	7/24/14	JT	BM	PASS	
D520	7/24/14	S-210/S-211	254' W of E EOS	WR	7/24/14	2:10 PM	2x3	P	LD	120	7/24/14	JT	BM	PASS	
D521	7/24/14	S-211/S-212	248' W of E EOS	WR	Covered by D516										
D522	7/24/14	S-212/S-213	239' W of E EOS	WR	7/24/14	2:38 PM	2x2	P	LD	120	7/24/14	JT	BM	PASS	
D523	7/24/14	S-213/S-214	235' W of E EOS	WR	7/24/14	3:20 PM	3x4	P	LD	120	7/24/14	JT	BM	PASS	
D524	7/24/14	S-214/S-215	230' W of E EOS	WR	7/24/14	3:33 PM	3x4	P	LD	120	7/24/14	JT	BM	PASS	
D525	7/24/14	S-215/S-216	222' W of E EOS	WR	7/24/14	3:41 PM	2x3	P	LD	120	7/24/14	JT	BM	PASS	
D526	7/24/14	S-216/S-217	213' W of E EOS	WR	7/24/14	3:49 PM	3x3	P	LD	120	7/24/14	JT	BM	PASS	
D527	7/24/14	S-217/S-218	206' W of E EOS	WR	7/24/14	3:54 PM	2x3	P	LD	120	7/24/14	JT	BM	PASS	
D528	7/24/14	S-218/S-219	202' W of E EOS	WR	Covered by D529										
D529	7/24/14	S-218/S-219	DF-98	DF	7/24/14	4:00 PM	2x9	P	LD	120	7/24/14	JT	BM	PASS	Covers D528
D530	7/24/14	S-207/S-208/S-229	Intersection	INT	Covered by D531										
D531	7/24/14	S-208/S-229	Entire seam	FS	7/24/14	2:53 PM	2X7	C	LD	120	7/24/14	JT	BM	PASS	Covers D530 & D532
D532	7/24/14	S-208/S-229/S-232	Intersection	INT	Covered by D531										
D533	7/24/14	S-232	10' N of S EOP/7' W	DO	7/24/14	3:00 PM	2x4	P	LD	120	7/24/14	JT	BM	PASS	
D534	7/24/14	S-208/S-209/S-232/S-233	Intersection	INT	7/24/14	3:06 PM	2x4	P	LD	120	7/24/14	JT	BM	PASS	
D535	7/24/14	S-209/S-210/S-233/S-304	Intersection	INT	7/26/14	1:41 PM	2x4	P	LD	116	8/20/14	JT	CS	PASS	
D536	7/26/14	S-199/S-234	1' E of W EOS	IO	7/26/14	4:05 PM	3x8	P	LD	116	7/26/14	JT	BM	PASS	
D537	7/26/14	S-199/S-234	DF-99	DF	7/26/14	1:38 PM	2x5	P	LD	116	7/26/14	JT	BM	PASS	
D538	7/26/14	S-199/S-234	279' E of W EOS	W	7/27/14	9:57 AM	2x7	P	LD	116	7/27/14	JR	BM	PASS	
D539	7/26/14	S-234/S-235/S-236	Intersection	INT	7/26/14	1:49 PM	2x5	P	LD	116	7/26/14	JT	BM	PASS	
D540	7/26/14	S-234/S-235	146' E of W EOS	BO	7/26/14	4:05 PM	2x4	P	JD	120	7/26/14	JT	BM	PASS	
D541	7/26/14	S-236/S-237	154' E of W EOS	WR	7/26/14	2:06 PM	2x6	P	LD	116	7/26/14	JT	BM	PASS	
D542	7/26/14	S-236/S-237	DF-100	DF	7/26/14	4:10 PM	2x5	P	JD	120	7/26/14	JT	BM	PASS	
D543	7/26/14	S-237/S-238	DF-101	DF	7/26/14	4:17 PM	2x5	P	LD	116	7/26/14	JT	BM	PASS	
D544	7/26/14	S-237/S-238	309' E of W EOS	WR	7/27/14	10:15 AM	3x3	P	LD	116	7/27/14	JR	BM	PASS	
D545	7/26/14	S-235/S-236/S-239	Intersection	INT	7/26/14	3:55 PM	2x2	P	JD	120	7/26/14	JT	BM	PASS	
D546	7/26/14	S-234/S-235/S-239	Intersection	INT	7/26/14	4:00 PM	2x2	P	JD	120	7/26/14	JT	BM	PASS	
D547	7/26/14	S-199/S-234/S-239	Intersection	INT	7/26/14	4:30 PM	2x3	P	JD	120	7/26/14	JT	BM	PASS	
D548	7/27/14	S-199	9' S of S-198/S-199	DO	7/27/14	8:40 AM	2x2	P	LD	116	7/27/14	JT	BM	PASS	
D549	7/27/14	S-238/S-240	1' E of W EOS	IO	7/27/14	11:20 AM	2x7	P	LD	116	7/27/14	JT	BM	PASS	
D550	7/27/14	S-240/S-241	DF-102	DF	7/27/14	10:30 AM	2x5	P	LD	116	7/27/14	JT	BM	PASS	
D551	7/27/14	S-241/S-242	DF-103	DF	7/27/14	11:03 AM	2x5	P	LD	116	7/27/14	JT	BM	PASS	
D552	7/27/14	S-199/S-234	285' E of W EOS/15' S	W	7/27/14	10:05 AM	2x15	P	LD	116	7/27/14	JT	BM	PASS	
D553	7/27/14	S-242/S-243	DF-104	DF	7/27/14	12:11 PM	2x5	P	LD	116	7/27/14	JT	BM	PASS	
D554	7/27/14	S-240	1' E of W EOP/7' S	DO	7/27/14	12:15 PM	2x2	P	LD	116	7/27/14	JT	BM	PASS	
D555	7/27/14	S-219/S-244	1' W of E EOS	IO	7/27/14	3:10 PM	2x5	P	LD	116	7/27/14	JT	BM	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D556	7/27/14	S-219/S-244	182' W of E EOS	W	8/14/14	12:05 PM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D557	7/27/14	S-244/S-245	190' W of E EOS	WR	8/14/14	12:10 PM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D558	7/27/14	S-245/S-246	DF-105	DF	8/14/14	12:16 PM	2x8	P	LD	120	8/15/14	JR	BM	PASS	Covers D559
D559	7/27/14	S-245/S-246	183' W of E EOS	WR	Covered by D558										
D560	7/27/14	S-219/S-244	196' W of E EOS	WR	8/14/14	12:20 PM	2x3	P	LD	120	8/15/14	JR	BM	PASS	
D561	7/27/14	S-246/S-247	175' W of E EOS	WR	8/14/14	12:25 PM	2x3	P	LD	120	8/15/14	JR	BM	PASS	
D562	7/28/14	S-193	4' W of E EOP/10' N	DO	7/28/14	11:25 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D563	7/28/14	S-193	15' W of E EOP/7' N	DO	7/28/14	11:20 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D564	7/28/14	S-193	22' W of E EOP/6' N	DO	7/28/14	11:15 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D565	7/28/14	S-193	32' W of E EOP/5' N	DO	7/28/14	11:12 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D566	7/28/14	S-193	35' W of E EOP/5' N	DO	7/28/14	11:07 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D567	7/28/14	S-193	49' W of E EOP/3' N	DO	7/28/14	11:00 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D568	7/28/14	S-192/S-193	60' W of E EOS	DO	7/28/14	10:56 AM	2x5	P	OT	116	7/28/14	PL	CS	PASS	
D569	7/28/14	S-192	77' W of E EOP/22' N	DO	7/28/14	10:47 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D570	7/28/14	S-192	90' W of E EOP/17' N	DO	7/28/14	10:42 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D571	7/28/14	S-192	100' W of E EOP/15' N	DO	7/28/14	10:38 AM	1x2	P	OT	116	7/28/14	PL	CS	PASS	
D572	7/28/14	S-192	110' W of E EOP/14' N	DO	7/28/14	10:34 AM	1x1	P	OT	116	7/28/14	PL	CS	PASS	
D573	7/28/14	S-192	130' W of E EOP/12' N	DO	7/28/14	10:27 AM	1x1	P	OT	116	7/28/14	PL	CS	PASS	
D574	7/28/14	S-192	160' W of E EOP/8' N	DO	7/28/14	10:21 AM	2x5	P	OT	116	7/28/14	PL	CS	PASS	
D575	7/28/14	S-192	197' W of E EOP/4' N	DO	7/28/14	10:08 AM	1x2	P	OT	116	7/28/14	PL	CS	PASS	
D576	7/28/14	S-191	244' W of E EOP/20' N	DO	7/28/14	10:05 AM	1x2	P	OT	116	7/28/14	PL	CS	PASS	
D577	7/28/14	S-191	250' W of E EOP/18' N	DO	7/28/14	10:03 AM	1x1	P	OT	116	7/28/14	PL	CS	PASS	
D578	7/28/14	S-191	272' W of E EOP/17' N	DO	7/28/14	9:59 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D579	7/28/14	S-191	286' W of E EOP/16' N	DO	7/28/14	9:55 AM	2x2	P	OT	116	7/28/14	PL	CS	PASS	
D580	7/28/14	S-224	60' E of W EOP/16' S	DO	7/28/14	11:50 AM	1x1	P	OT	116	7/28/14	PL	CS	PASS	
D581	7/28/14	S-224	20' E of W EOP/11' S	DO	7/28/14	12:03 PM	1x1	P	OT	116	7/28/14	PL	CS	PASS	
D582	7/29/14	S-107	7' W of S-107/109/127/128	W	7/29/14	1:10 PM	2x26	P	LD	116	7/29/14	AV	BM	PASS	Covers D583 & D584
D583	7/29/14	S-107	13' W of S-107/109/127/128	W	7/29/14	Covered by D582									
D584	7/29/14	S-106/S-107	5' S of D-301	W	7/29/14	Covered by D582									
D585	7/29/14	S-106	12' S of S-106/S-108	W	7/29/14	Covered by D586									
D586	7/29/14	S-105/S-106	10' S of S-105/S-106/S-108	W	7/29/14	2:00 PM	2x46	P	LD	116	7/29/14	AV	BM	PASS	Covers D585, D587 & D588
D587	7/29/14	S-105	5' E of S-105/S-152	W	7/29/14	Covered by D586									
D588	7/29/14	S-105	5' E of S-104/S-152/S-153	W	7/29/14	Covered by D586									
D589	8/9/14	S-243/S-248	4'E of W EOS	IO	8/9/14	1:55 PM	3x5	P	LD	120	8/9/14	AV	BM	PASS	
D590	8/9/14	S-248/S-249	DF-106	DF	8/9/14	2:07 PM	2x5	P	LD	120	8/9/14	AV	BM	PASS	
D591	8/9/14	S-249/S-250	DF-107	DF	8/9/14	2:14 PM	2x5	P	LD	120	8/9/14	AV	BM	PASS	
D592	8/9/14	S-253/S-254	DF-108	DF	8/10/14	12:12 PM	2x10	P	LD	120	8/11/14	AV	BM	PASS	Covers D608
D593	8/9/14	S-254/S-255	DF-109	DF	8/10/14	10:27 AM	2x10	P	LD	120	8/10/14	AV	BM	PASS	Covers D601
D594	8/9/14	S-257/S-258/S-259	Intersection	INT	8/9/14	4:18 PM	2x3	P	LD	120	8/10/14	JT	BM	PASS	
D595	8/9/14	S-256/S-257/S-259	Intersection	INT	8/9/14	4:30 PM	2x4	P	LD	120	8/10/14	JT	BM	PASS	
D596	8/9/14	S-256/S-259/S-260	Intersection	INT	8/9/14	4:36 PM	2x4	P	LD	120	8/10/14	JT	BM	PASS	
D597	8/9/14	S-256/S-260	10' S of N EOS/1' E	DO	8/9/14	4:20 PM	2x2	P	LD	120	8/10/14	JT	BM	PASS	
D598	8/9/14	S-255/S-256/S-260/S-261	Intersection	INT	8/9/14	4:50 PM	2x3	P	LD	120	8/10/14	JT	BM	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
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DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D599	8/10/14	S-261/S-262/S-263	Intersection	INT	8/10/14	10:03 AM	2x5	P	LD	120	8/10/14	AV	BM	PASS	
D600	8/10/14	S-255/S-261/S-263	Intersection	INT	8/10/14	10:27 AM	3x4	P	LD	120	8/10/14	AV	BM	PASS	
D601	8/10/14	S-254/S-255/S-263	Intersection	INT	Covered by D593										
D602	8/10/14	S-254/S-263	7' S of N EOS	PT	8/10/14	10:38 AM	2x2	P	LD	120	8/10/14	AV	BM	PASS	
D603	8/10/14	S-254/S-263/S-264	Intersection	INT	8/10/14	12:00 PM	2x4	P	LD	120	8/11/14	AV	BM	PASS	
D604	8/10/14	S-262/S-263/S-164	Intersection	INT	8/10/14	11:52 AM	2x2	P	LD	120	8/11/14	AV	BM	PASS	
D605	8/10/14	S-262/S-264	At Crest	IO	8/11/14	4:52 PM	2x6	P	LD	120	8/11/14	AV	BM	PASS	
D606	8/10/14	S-265/S-266	DF-110	DF	8/11/14	4:58 PM	2x5	P	LD	120	8/11/14	AV	BM	PASS	
D607	8/10/14	S-266/S-268	DF-111	DF	8/11/14	5:05 PM	2x5	P	LD	120	8/11/14	AV	BM	PASS	
D608	8/10/14	S-253/S-254/S-264	Intersection	INT	Covered by D592										
D609	8/10/14	S-253/S-264/S-265	Intersection	INT	8/10/14	12:18 PM	2x3	P	LD	120	8/11/14	AV	BM	PASS	
D610	8/10/14	S-252/S-253/S-265/S-267	Intersection	INT	8/10/14	1:33 PM	2x4	P	LD	120	8/11/14	AV	BM	PASS	
D611	8/10/14	S-265/S-266/S-267	Intersection	INT	8/10/14	12:22 PM	2x2	P	LD	120	8/11/14	AV	BM	PASS	
D612	8/10/14	S-266/S-267/S-268	Intersection	INT	8/10/14	2:55 PM	2x4	P	LD	120	8/11/14	AV	BM	PASS	
D613	8/10/14	S-252/S-267/S-268/S-269	Intersection	INT	8/10/14	1:42 PM	2x3	P	LD	120	8/11/14	AV	BM	PASS	
D614	8/10/14	S-251/S-252/S-269	Intersection	INT	8/10/14	1:53 PM	2x3	P	LD	120	8/11/14	AV	BM	PASS	
D615	8/10/14	S-268/S-269/S-270	Intersection	INT	Covered by D616										
D616	8/10/14	S-269/S-270	N EOS to 5' S	FS	8/10/14	2:45 PM	2x22	C	LD	120	8/11/14	AV	BM	PASS	Covers D615 & D617
D617	8/10/14	S-268/S-270	165' S of N EOS	IO	Covered by D616										
D618	8/10/14	S-251/S-269/S-270	Intersection	INT	8/10/14	2:01 PM	3x3	P	LD	120	8/11/14	AV	BM	PASS	
D619	8/10/14	S-250/S-251/S270	Intersection	INT	8/10/14	2:08 PM	2x3	P	LD	120	8/11/14	AV	BM	PASS	
D620	8/10/14	S-270/S-271/S-272	Intersection	INT	8/10/14	3:15 PM	3x4	P	LD	120	8/11/14	AV	BM	PASS	
D621	8/10/14	S-250/S-270/S-272	Intersection	INT	8/11/14	2:26 PM	5x6	P	LD	120	8/11/14	AV	BM	PASS	Covers D622
D622	8/10/14	S-270/S-272	DF-112	DF	Covered by 621										
D623	8/10/14	S-271/S-273	At Crest	IO	8/11/14	4:40 PM	2x5	P	LD	120	8/11/14	AV	BM	PASS	
D624	8/10/14	S-271/S-272/S-273	Intersection	INT	8/11/14	3:30 PM	2x4	P	LD	120	8/11/14	AV	BM	PASS	
D625	8/10/14	S-272/S-273	65' S	WR	8/11/14	2:15 PM	3x15	P	LD	120	8/11/14	AV	BM	PASS	Covers D631
D626	8/10/14	S-272/S-273	DF-113	DF	8/12/14	4:00 PM	2x28	C	LD	120	8/12/14	AV	BM	PASS	Covers D636 & D637
D627	8/10/14	S-272/S-273/S-274	Intersection	INT	8/11/14	5:52 PM	3x3	P	LD	120	8/11/14	AV	BM	PASS	
D628	8/10/14	S-272/S-273	38' S of N EOS	PT	8/11/14	5:17 PM	2x2	P	LD	120	8/11/14	AV	BM	PASS	
D629	8/10/14	S-273/S-275	108' S of N EOS	IO	8/11/14	5:14 PM	2x12	P	LD	120	8/11/14	AV	BM	PASS	
D630	8/10/14	S-272/S-273	48' S of N EOS	PT	8/11/14	5:22 PM	2x2	P	LD	120	8/11/14	AV	BM	PASS	
D631	8/10/14	S-272/S-273	58' S of N EOS	PT	Covered by D625										
D632	8/10/14	S-273/S-274/S-275	Intersection	INT	8/11/14	3:03 PM	2x2	P	LD	120	8/11/14	AV	BM	PASS	
D633	8/11/14	S-249/S-250/S-272/S-274	Intersection	INT	8/11/14	2:34 PM	2x6	P	LD	120	8/11/14	AV	BM	PASS	
D634	8/11/14	S-249/S-274/S-275	Intersection	INT	8/11/14	2:44 PM	2x4	P	LD	120	8/11/14	AV	BM	PASS	
D635	8/11/14	S-248/S-249/S-275	Intersection	INT	8/11/14	2:51 PM	2x4	P	LD	120	8/11/14	AV	BM	PASS	
D636	8/12/14	S-272/S-273	DF-113B	DF	Covered by D626										
D637	8/12/14	S-272/S-273	DF-113A	DF	Covered by D626										
D638	8/13/14	S-247/S-276	DF-114	DF	8/14/14	10:32 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D639	8/13/14	S-276/S-277	DF-115	DF	8/14/14	10:32 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D640	8/13/14	S-219/S-244	241' W of E EOS	WR	8/14/14	10:58 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D641	8/13/14	S-244/S-245	249' W of E EOS	WR	8/20/14	9:14 AM	3x4	P	LD	120	8/20/14	JT	CS	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D642	8/13/14	S-245/S-246	240' W of E EOS	WR	8/20/14	9:23 AM	2x6	P	LD	120	8/20/14	JT	CS	PASS	Covers D626
D643	8/13/14	S-246/S-247	232' W of E EOS	WR	8/20/14	9:37 AM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D644	8/13/14	S-229/S-302/S-322	Intersection	INT	8/16/14	4:53 PM	2x6	P	LD	120	8/20/14	JT	CS	PASS	
D645	8/13/14	S-246/S-247	206' W of E EOS	W	8/14/14	7:05 PM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D646	8/13/14	S-247/S-276	227' W of E EOS	WR	8/20/14	9:46 AM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D647	8/13/14	S-276/S-277	222' W of E EOS	WR	8/20/14	9:57 AM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D648	8/13/14	S-276/S-278	217' W of E EOS	WR	8/20/14	10:12 AM	2x6	P	LD	120	8/20/14	JT	CS	PASS	
D649	8/13/14	S-278/S-279	212' W of E EOS	WR	8/23/14	10:45 AM	3x4	P	JD	120	8/23/14	JA	AF	PASS	
D650	8/13/14	S-279/S-280	208' W of E EOS	WR	Covered by D653										
D651	8/13/14	S-280/S-281	204' W of E EOS	WR	8/23/14	10:20 AM	3x4	P	JD	120	8/23/14	JA	AF	PASS	
D652	8/13/14	S-281/S-282	181' W of E EOS	WR	8/23/14	9:58 AM	2x4	P	JD	120	8/23/14	JA	AF	PASS	
D653	8/13/14	S-279/S-280	DF-116	DF	8/23/14	10:31 AM	2x8	P	JD	120	8/23/14	JA	AF	PASS	Covers D657
D654	8/13/14	S-280/S-281	DF-117	DF	8/14/14	10:42 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D655	8/13/14	S-277/S-278	131' W of E EOS	BO	8/14/14	10:51 AM	2x2	P	LD	120	8/15/14	JR	BM	PASS	
D656	8/13/14	S-282/S-283	190' W of E EOS	WR	8/23/14	10:08 AM	3x5	P	JD	120	8/23/14	JA	BM	PASS	
D657	8/13/14	S-247/S-276	At Crest	IO	8/14/14	11:11 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D658	8/14/14	S-245	190' W of E EOP/9' S	DO	8/14/14	10:23 AM	2x2	P	LD	120	8/15/14	JR	BM	PASS	
D659	8/14/14	S-244	190' W of E EOP/5' S	DO	8/14/14	10:16 AM	2x2	P	LD	120	8/15/14	JR	BM	PASS	
D660	8/14/14	S-244	196' W of E EOP/4' S	DO	8/14/14	10:13 AM	2x2	P	LD	120	8/15/14	JR	BM	PASS	
D661	8/14/14	S-244	193' W of E EOP/10' S	DO	8/14/14	10:10 AM	2x2	P	LD	120	8/15/14	JR	BM	PASS	
D662	8/14/14	S-244	193' W of E EOP/15' S	DO	8/14/14	10:06 AM	2x2	P	LD	120	8/15/14	JR	BM	PASS	
D663	8/14/14	S-219	210' W of E EOP/3' N	DO	8/14/14	11:45 AM	2x15	P	LD	120	8/15/14	JR	BM	PASS	
D664	8/14/14	S-283	3' W of E EOP/8' N	DO	8/14/14	12:00 AM	2x2	P	LD	120	8/15/14	JR	BM	PASS	
D665	8/14/14	S-283/S-284	At Crest	IO	8/15/14	10:03 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D666	8/14/14	S-284/S-285	DF-118	DF	8/15/14	9:41 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D667	8/14/14	S-283/S-284	183' W of E EOS	WR	8/15/14	9:24 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D668	8/14/14	S-284/S-285	176' W of E EOS	WR	8/15/14	9:15 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D669	8/14/14	S-285/S-286	172' W of E EOS	WR	8/23/14	9:45 AM	2x5	P	LD	120	8/23/14	JA	AF	PASS	
D670	8/14/14	S-286/S-287	162' W of E EOS	WR	8/23/14	9:34 AM	3x5	P	LD	120	8/23/14	JA	AF	PASS	
D671	8/14/14	S-287/S-288	156' W of E EOS	WR	8/23/14	9:30 AM	2x4	P	LD	120	8/23/14	JA	AF	PASS	
D672	8/14/14	S-288/S-289	152' W of E EOS	WR	8/23/14	9:18 AM	3x4	P	LD	120	8/23/14	JA	AF	PASS	
D673	8/14/14	S-288/S-289	DF-119	DF	8/15/14	9:24 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D674	8/14/14	S-289/S-290	DF-120	DF	8/15/14	9:15 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D675	8/14/14	S-289/S-290	146' W of E EOS	WR	8/23/14	8:51 AM	2x4	P	LD	120	8/23/14	JA	AF	PASS	
D676	8/14/14	S-290/S-291	139' W of E EOS	WR	8/23/14	8:23 AM	3x4	P	LD	120	8/23/14	JA	AF	PASS	
D677	8/14/14	S-291/S-292	135' W of E EOS	WR	8/24/14	5:11 PM	2x3	P	LD	116	8/24/14	OT	BM	PASS	
D678	8/14/14	S-292/S-293	125' W of E EOS	WR	8/24/14	5:18 PM	3x4	P	LD	116	8/24/14	OT	BM	PASS	
D679	8/14/14	S-293/S-294	118' W of E EOS	WR	8/24/14	5:25 PM	3x3	P	LD	116	8/24/14	OT	BM	PASS	
D680	8/14/14	S-294/S-295	112' W of E EOS	WR	8/24/14	5:00 PM	2x3	P	LD	116	8/24/14	OT	BM	PASS	
D681	8/14/14	S-295/S-296	107' W of E EOS	WR	8/24/14	4:30 PM	2x3	P	LD	116	8/24/14	OT	BM	PASS	
D682	8/14/14	S-296/S-297	100' W of E EOS	WR	8/24/14	4:36 PM	2x3	P	LD	116	8/24/14	OT	BM	PASS	
D683	8/14/14	S-297/S-298	96' W of E EOS	WR	8/24/14	4:41 PM	2x3	P	LD	116	8/24/14	OT	BM	PASS	
D684	8/14/14	S-298/S-299	89' W of E EOS	WR	8/24/14	4:49 PM	2x3	P	LD	116	8/24/14	OT	BM	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D685	8/14/14	S-299/S-300	85' W of E EOS	WR	8/24/14	4:53 PM	2x2	P	LD	116	8/24/14	OT	BM	PASS	
D686	8/14/14	S-296/S-297	DF-121	DF	8/15/14	8:44 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D687	8/14/14	S-297/S-298	DF-122	DF	8/15/14	8:35 AM	2x5	P	LD	120	8/15/14	JR	BM	PASS	
D688	8/15/14	S-300/S-301	77' W of E EOS	WR	8/15/14	8:30 AM	2x7	P	LD	120	8/15/14	JR	BM	PASS	
D689	8/15/14	S-296/S-297	80' W of E EOS	DO	8/15/14	9:00 AM	2x8	P	LD	120	8/15/14	JR	BM	PASS	
D690	8/16/14	S-233/S-304	DF-123	DF	8/18/14	2:17 PM	2x5	P	LD	120	8/20/14	JT	CS	PASS	
D691	8/16/14	S-229/S-230/S-302	Intersection	INT	8/18/14	4:43 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D692	8/16/14	S-230/S-231/S-302	Intersection	INT	8/16/14	4:37 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D693	8/16/14	S-185/S-231/S-302	Intersection	INT	8/16/14	5:25 PM	3x9	P	LD	120	8/20/14	JT	CS	PASS	
D694	8/16/14	S-185/S-302/S-303	Intersection	INT	Covered by D702										
D695	8/16/14	S-233/S-302/S-303	Intersection	INT	8/19/14	10:10 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D696	8/16/14	S-232/S-233/S-302	Intersection	INT	8/16/14	6:43 PM	2x7	P	LD	120	8/20/14	JT	CS	PASS	
D697	8/16/14	S-233/S-303/S-304	Intersection	INT	8/19/14	10:13 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D698	8/16/14	S-185/S-303/S-304	Intersection	INT	8/19/14	9:33 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D699	8/16/14	S-184/S-306	DF-124	DF	8/19/14	9:58 AM	2x5	P	LD	120	8/20/14	JT	CS	PASS	
D700	8/16/14	S-184/S-185/S-304/S-305	Intersection	INT	8/19/14	9:47 AM	2x5	P	LD	120	8/20/14	JT	CS	PASS	
D701	8/16/14	S-184/S-305/S-306	Intersection	INT	8/19/14	9:52 AM	3x3	P	LD	120	8/20/14	JT	CS	PASS	
D702	8/16/14	S-185/S-302	DF-125	DF	8/16/14	9:25 AM	2x7	P	LD	120	8/20/14	JT	CS	PASS	
D703	8/16/14	S-210/S-211/S-304/-305	Intersection	INT	8/16/14	6:15 PM	3x4	P	LD	120	8/20/14	JT	CS	PASS	
D704	8/18/14	S-184/S-306/S-308	Intersection	INT	8/18/14	2:07 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D705	8/18/14	S-306/S-307/S-308	Intersection	INT	8/19/14	10:03 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D706	8/18/14	S-212/S-306/S-307	Intersection	INT	8/19/14	10:30 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D707	8/18/14	S-212/S-305/S-306	Intersection	INT	8/19/14	10:24 AM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D708	8/18/14	S-211/S-212/S-305	Intersection	INT	8/18/14	3:07 PM	3x5	P	LD	120	8/20/14	JT	CS	PASS	
D709	8/18/14	S-212/S-213/S-307	Intersection	INT	8/18/14	3:16 PM	3x4	P	LD	120	8/20/14	JT	CS	PASS	
D710	8/18/14	S-213/S-214/S-307/S-309	Intersection	INT	8/18/14	3:22 PM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D711	8/18/14	S-307//S-308/S-309	Intersection	INT	8/19/14	10:53 AM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D712	8/18/14	S-184/S-308/S-309	Intersection	INT	8/19/14	11:02 AM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D713	8/18/14	S-184/S-203/S-309	Intersection	INT	8/19/14	11:06 AM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D714	8/18/14	S-203/S-309/S-311	Intersection	INT	8/19/14	11:10 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D715	8/18/14	S-309/S-310/S-311	Intersection	INT	8/19/14	11:15 AM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D716	8/18/14	S-215/S-309/S-310	Intersection	INT	8/18/14	5:33 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D717	8/18/14	S-214/S-215/S-309	Intersection	INT	8/18/14	4:02 PM	3x3	P	LD	120	8/20/14	JT	CS	PASS	
D718	8/18/14	S-310/S-312	DF-126	DF	8/20/14	10:36 AM	2x50	C	LD	120	8/20/14	JT	CS	PASS	Covers D749, D750 & D721
D719	8/18/14	S-215/S-216/S-312	Intersection	INT	8/18/14	4:29 PM	2x5	P	LD	120	8/20/14	JT	CS	PASS	
D720	8/18/14	S-216/S-217/S-312	Intersection	INT	8/18/14	4:31 PM	2x5	P	LD	120	8/20/14	JT	CS	PASS	
D721	8/18/14	S-215/S-310/S-312	Intersection	INT	Covered by D718										
D722	8/18/14	S-312/S-313	DF-127	DF	8/20/14	12:05 PM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D723	8/18/14	S-310/S-311/S-312	Intersection	INT	8/19/14	11:26 AM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D724	8/18/14	S-203/S-311/S-312	Intersection	INT	8/19/14	11:46 AM	2x8	C	LD	120	8/20/14	JT	CS	PASS	
D725	8/18/14	S-312/S-313/S-314	Intersection	INT	8/20/14	12:10 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D726	8/18/14	S-217/S-312/S-313	Intersection	INT	8/18/14	12:00 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D727	8/18/14	S-217/S-218/S-315	Intersection	INT	8/18/14	4:35 PM	3x5	P	LD	120	8/20/14	JT	CS	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D728	8/18/14	S-218/S-219/S-315	Intersection	INT	8/18/14	4:45 PM	3x4	P	LD	120	8/20/14	JT	CS	PASS	
D729	8/18/14	S-217/S-313/S-315	Intersection	INT	8/18/14	5:10 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D730	8/18/14	S-219/S-315/S-318	Intersection	INT	8/18/14	5:05 PM	3x3	P	LD	120	8/20/14	JT	CS	PASS	
D731	8/18/14	S-313/S-314/S-315	Intersection	INT	Covered by D735										
D732	8/18/14	S-315/S-316/S-317	Intersection	INT	8/20/14	5:01 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D733	8/18/14	S-315/S-317/S-318	Intersection	INT	8/20/14	5:30 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D734	8/18/14	S-219/S-318	12' N of S EOS	WR	8/18/14	4:55 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D735	8/18/14	S-219/S-315	DF-128	DF	8/20/14	11:06 AM	2x40	C	LD	120	8/20/14	JT	CS	PASS	Covers D730, D750 & D751
D736	8/18/14	S-203/S-204/S-312	Entire seam	FS	Covered by D724										
D737	8/18/14	S-203/S-204/S-312	Intersection	INT	Covered by D724										
D738	8/18/14	S-204/S-312/S-314	Intersection	INT	8/20/14	4:01 PM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D739	8/18/14	S-204/S-314/S-315	Intersection	INT	8/20/14	4:52 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D740	8/18/14	S-204/S-315/S-316	Intersection	INT	8/20/14	4:41 PM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D741	8/18/14	S-204/S-315	13' S of N EOS	DO	8/20/14	4:42 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D742	8/19/14	S-31	7' E of W EOP/S' S	P	8/19/14	9:12 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D743	8/19/14	S-216	10' S of N EOP/2' E	DO	8/19/14	10:41 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D744	8/19/14	S-319/S-321	DF-129	DF	8/20/14	3:08 PM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D745	8/19/14	S-245/S-246	DF-130	DF	Covered by D642										
D746	8/19/14	S-324/S-326	DF-131	DF	8/20/14	2:10 PM	2x6	P	LD	120	8/20/14	JT	CS	PASS	Covers D765
D747	8/19/14	S-276/S-327	DF-132	DF	8/20/14	11:48 AM	2x10	P	LD	120	8/20/14	JT	CS	PASS	Covers D768
D748	8/19/14	S-215/S-312	DF-126B	DF	Covered by D718										
D749	8/19/14	S-210/S-312	DF-126A	DF	Covered by D718										
D750	8/19/14	S-219/S-315	DF-128B	DF	Covered by D735										
D751	8/19/14	S-315/S-318	DF-128A	DF	Covered by D735										
D752	8/19/14	S-246/S-247	8' W of D643	INT	8/20/14	11:29 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D753	8/19/14	S-316/S-319/S-320	Intersection	INT	8/20/14	3:57 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D754	8/19/14	S-316/S-317/S-319	Intersection	INT	8/20/14	3:09 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D755	8/19/14	S-317/S-318/S-319	Intersection	INT	8/20/14	3:24 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D756	8/19/14	S-219/S-318/S-319	Intersection	INT	8/20/14	3:33 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D757	8/19/14	S-245/S-319/S-321	Intersection	INT	8/20/14	3:40 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D758	8/19/14	S-319/S-320/S-321	Intersection	INT	8/20/14	3:10 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D759	8/19/14	S-321/S-322/S-323	Intersection	INT	8/20/14	2:55 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D760	8/19/14	S-246/S-321/S-322	Intersection	INT	8/20/14	3:48 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D761	8/19/14	S-245/S-246/S-321	Intersection	INT	8/20/14	5:43 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D762	8/19/14	S-246/S-247/S-324	Intersection	INT	8/20/14	11:26 AM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D763	8/19/14	S-246/S-322/S-324	Intersection	INT	8/20/14	11:36 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D764	8/19/14	S-322/S-323/S-324	Intersection	INT	8/20/14	2:25 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D765	8/19/14	S-324/S-325/S-326	Intersection	INT	Covered by D746										
D766	8/19/14	S-276/S-324/S-326	Intersection	INT	8/20/14	11:41 AM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D767	8/19/14	S-247/S-276/S-324	Intersection	INT	8/20/14	11:34 AM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D768	8/19/14	S-276/S-326/S-327	Intersection	INT	Covered by D747										
D769	8/19/14	S-326/S-327/S-328	Intersection	INT	8/20/14	1:34 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D770	8/19/14	S-325/S-326/S-328	Intersection	INT	8/20/14	1:36 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D771	8/19/14	S-327/S-328/S-329	Intersection	INT	8/20/14	1:26 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D772	8/19/14	S-278/S-327/S-329	Intersection	INT	8/20/14	11:56 AM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D773	8/19/14	S-169/S-170/S-329	Intersection	INT	8/20/14	5:23 PM	2x5	P	LD	120	8/20/14	JT	CS	PASS	
D774	8/19/14	S-169/S-328/S-329	Intersection	INT	8/20/14	5:15 PM	2x6	P	LD	120	8/20/14	JT	CS	PASS	Covers D784
D775	8/19/14	S-168/S-169/S-328	Intersection	INT	8/20/14	5:05 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D776	8/19/14	S-168/S-325/S-328	Intersection	INT	8/20/14	5:00 PM	2x6	P	LD	120	8/20/14	JT	CS	PASS	
D777	8/19/14	S-167/S-204/S-324/S-325	Intersection	INT	8/20/14	4:20 PM	4x13	P	LD	120	8/20/14	JT	CS	PASS	Covers D785 & D786
D778	8/19/14	S-204/S-323/S-323	Intersection	INT	8/20/14	2:15 PM	2x3	P	LD	120	8/20/14	JT	CS	PASS	
D779	8/19/14	S-204/S-321/S-323	Intersection	INT	8/20/14	5:45 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D780	8/19/14	S-204/S-320/S-321	Intersection	INT	8/20/14	3:20 PM	2x4	P	LD	120	8/20/14	JT	CS	PASS	
D781	8/19/14	S-204/S-316/S-320	Intersection	INT	8/20/14	3:42 PM	2x6	P	LD	120	8/20/14	JT	CS	PASS	
D782	8/19/14	S-246/S-247	240' W of E EOS	BO	8/20/14	9:32 AM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D783	8/20/14	S-169	18' E of W EOP/7' N	DO	8/20/14	6:58 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D784	8/20/14	S-328/S-169	3' S of N EOS	W	Covered by D774										
D785	8/20/14	S-167/S-324	DF-133	DF	Covered by D788										
D786	8/20/14	S-167/S-168/S-325	Intersection	INT	Covered by D788										
D787	8/20/14	S-317/S-318/S-319	15' E of W EOS	DO	8/20/14	4:57 PM	2x2	P	LD	120	8/20/14	JT	CS	PASS	
D788	8/20/14	S-167/S-325	Failed Seam	FS	8/20/14	4:20 PM	4x13	C	LD	120	8/20/14	JT	CS	PASS	Covers D777, D785 & D786
D789	8/21/14	S-278/S-279/S-331	Intersection	INT	8/23/14	6:02 PM	2x4	P	LD	116	8/20/14	JT	CS	PASS	
D790	8/21/14	S-278/S-329/S-331	Intersection	INT	8/23/14	3:55 PM	2X4	P	LD	116	8/20/14	JT	CS	PASS	
D791	8/21/14	S-329/S-330/S-331	Intersection	INT	8/22/14	8:40 AM	2x3	P	LD	120	8/22/14	JA	AF	PASS	
D792	8/21/14	S-170/S-329/S-330	Intersection	INT	8/22/14	8:34 AM	2x3	P	LD	120	8/22/14	JA	AF	PASS	
D793	8/21/14	S-170/S-171/S-330	Intersection	INT	8/22/14	8:45 AM	2x4	P	LD	120	8/22/14	JA	CS	PASS	
D794	8/21/14	S-171/S-330/S-332	Intersection	INT	8/22/14	8:52 AM	2x3	P	LD	120	8/22/14	JA	CS	PASS	
D795	8/21/14	S-171/S-172/S-332	Intersection	INT	8/24/14	4:30 PM	3x7	P	LD	116	8/24/14	OT	BM	PASS	
D796	8/21/14	S-329/S-331	DF-134	DF	8/22/14	8:27 AM	2x4	P	LD	120	8/22/14	JA	CS	PASS	
D797	8/21/14	S-280/S-331/S-332	Intersection	INT	8/23/14	11:28 AM	3x3	P	JD	120	8/22/14	JA	CS	PASS	
D798	8/21/14	S-279/S-280/S-331	Intersection	INT	8/23/14	11:24 AM	2x2	P	JD	120	8/22/14	JA	CS	PASS	
D799	8/21/14	S-280/S-281/S-334	Intersection	INT	8/23/14	10:51 AM	3x3	P	JD	120	8/22/14	JA	CS	PASS	
D800	8/21/14	S-280/S-332/S-334	Intersection	INT	8/23/14	11:35 AM	2x2	P	JD	102	8/22/14	JA	CS	PASS	
D801	8/21/14	S-332/S-333/S-334	Intersection	INT	8/24/14	10:12 AM	2x3	P	LD	120	8/24/14	AV	RB	PASS	
D802	8/21/14	S-172/S-332/S-333	Intersection	INT	8/22/14	8:52 AM	2x3	P	LD	120	8/22/14	JA	CS	PASS	
D803	8/21/14	S-172/S-173/S-333	Intersection	INT	8/22/14	9:03 AM	2x3	P	LD	120	8/22/14	JA	CS	PASS	
D804	8/21/14	S-330/S-331/S-332	Intersection	INT	8/22/14	8:38 AM	2x4	P	LD	120	8/22/14	JA	CS	PASS	
D805	8/21/14	S-173/S-333/S-336	Intersection	INT	8/22/14	9:07 AM	2x3	P	LD	120	8/22/14	JA	CS	PASS	
D806	8/21/14	S-333/S-335/S-336	Intersection	INT	8/24/14	10:01 AM	2x3	P	LD	116	8/24/14	AV	RB	PASS	
D807	8/21/14	S-333/S-334/S-335	Intersection	INT	8/24/14	10:06 AM	2x3	P	LD	116	8/24/14	AV	RB	PASS	
D808	8/21/14	S-282/S-334/S-335	Intersection	INT	8/23/14	11:47 AM	2X3	P	JD	120	8/26/14	JA	BM	PASS	
D809	8/21/14	S-281/S-282/S-334	Intersection	INT	Covered by D813										
D810	8/21/14	S-282/S-283/S-337	Intersection	INT	Covered by D818										
D811	8/21/14	S-282/S-335/S-337	Intersection	INT	8/23/14	12:05 PM	2x2	P	JD	120	8/24/14	AV	RB	PASS	
D812	8/21/14	S-335/S-336/S-337	Intersection	INT	8/23/14	9:54 AM	2x3	P	LD	116	8/24/14	AV	RB	PASS	
D813	8/21/14	S-282/S-334	DF-135	DF	8/23/14	11:04 AM	3x7	P	JD	120	8/23/14	JT	AF	PASS	Covers D809

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
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DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D814	8/21/14	S-173/S-174/S-336	Intersection	INT	8/22/14	9:11 AM	2x3	P	LD	120	8/22/14	JA	CS	PASS	
D815	8/21/14	S-174/S-336/S-337	Intersection	INT	8/22/14	9:16 AM	2x3	P	LD	120	8/22/14	JA	CS	PASS	
D816	8/21/14	S-174/S-196/S-337	Intersection	INT	Covered by D934										
D817	8/21/14	S-196/S-337/S-339	Intersection	INT	8/24/14	9:28 AM	2x4	P	LD	120	8/22/14	JA	CS	PASS	
D818	8/21/14	S-282/S-337	DF-136	DF	8/23/14	1:44 PM	2x10	P	LD	120	8/23/14	JT	AF	PASS	Covers D810
D819	8/21/14	S-337/S-338/S-339	Intersection	INT	8/24/14	9:31 AM	2x3	P	LD	116	8/24/14	AV	RB	PASS	
D820	8/21/14	S-284/S-337/S-338	Intersection	INT	8/23/14	6:35 PM	2x4	P	JD	120	8/26/14	JA	BM	PASS	
D821	8/21/14	S-283/S-284/S-337	Intersection	INT	8/23/14	5:18 PM	2x2	P	JLD	116	8/23/14	JT	AF	PASS	
D822	8/21/14	S-196/S-197/S-339	Intersection	INT	8/22/14	9:21 AM	2x5	P	LD	120	8/22/14	JA	CS	PASS	
D823	8/21/14	S-337/S-339	DF-137	DF	8/22/14	9:30 AM	2x4	P	LD	120	8/22/14	JA	CS	PASS	
D824	8/21/14	S-284/S-340	DF-138	DF	8/23/14	9:35 AM	2x55	C	LD	116	8/22/14	JA	CS	PASS	Covers D832
D825	8/21/14	S-329/S-331	E EOS to 43' W	FS	8/23/14	6:50 PM	2x45	C	LD	116	8/22/14	JA	CS	PASS	
D826	8/21/14	S-344/S-345	DF-139	DF	8/22/14	10:12 AM	2x4	P	LD	120	8/22/14	JA	CS	PASS	
D827	8/21/14	S-289/S-347	DF-140	DF	8/23/14	5:56 PM	2x7	P	JD	120	8/23/14	JT	AF	PASS	
D828	8/21/14	S-197/S-339/S-340	Intersection	INT	8/23/14	9:34 AM	4x4	P	LD	120	8/22/14	JA	CS	PASS	
D829	8/21/14	S-197/S-198/S-340	Intersection	INT	8/23/14	9:40 AM	2x4	P	LD	120	8/22/14	HA	CS	PASS	
D830	8/21/14	S-338/S-339/S-340	Intersection	INT	8/24/14	9:25 AM	2x3	P	LD	116	8/24/14	AV	RB	PASS	
D831	8/21/14	S-284/S-338/S-340	Intersection	INT	8/23/14	6:29 PM	2x3	P	JD	120	8/23/14	JT	AF	PASS	
D832	8/21/14	S-284/S-285/S-340	Intersection	INT	Covered by D824										
D833	8/21/14	S-285/S-286/S-340	Intersection	INT	8/23/14	11:56 AM	2x3	P	JD	120	8/23/14	JT	AF	PASS	
D834	8/21/14	S-286/S-340/S-341	Intersection	INT	8/23/14	6:23 PM	2x4	P	JD	120	8/23/14	JT	AF	PASS	
D835	8/21/14	S-340/S-341/S-342	Intersection	INT	8/24/14	10:42 AM	2x2	P	JD	116	8/24/14	AV	RB	PASS	
D836	8/21/14	S-340/S-342/S-343	Intersection	INT	8/24/14	11:11 AM	2x2	P	LD	116	8/24/14	AV	RB	PASS	
D837	8/21/14	S-198/S-340/S-343	Intersection	INT	8/22/14	9:47 AM	3x3	P	LD	120	8/22/14	JA	CS	PASS	
D838	8/21/14	S-198/S-199/S-343	Intersection	INT	8/22/14	9:57 AM	2x5	P	JD	120	8/23/14	JT	AF	PASS	
D839	8/21/14	S-199/S-343/S-344	Intersection	INT	8/22/14	9:51 AM	2x4	P	LD	120	8/23/14	JT	AF	PASS	
D840	8/21/14	S-342/S-343/S-344	Intersection	INT	8/24/14	9:07 AM	2x2	P	LD	116	8/24/14	AV	RB	PASS	
D841	8/21/14	S-341/S-342/S-344	Intersection	INT	8/24/14	10:46 AM	2x2	P	LD	116	8/24/14	AV	RB	PASS	
D842	8/21/14	S-286/S-341/S-344	Intersection	INT	8/23/14	6:17 PM	2x2	P	JD	120	8/23/14	JT	AF	PASS	
D843	8/21/14	S-289/S-287/S-344	Intersection	INT	8/23/14	6:11 PM	2x2	P	JD	120	8/23/14	JT	AF	PASS	
D844	8/21/14	S-287/S-288/S-344	Intersection	INT	8/23/14	6:03 PM	2x2	P	JD	120	8/23/14	JT	AF	PASS	
D845	8/21/14	S-288/S-344/S-345	Intersection	INT	8/23/14	5:58 PM	2x4	P	JD	120	8/23/14	JT	AF	PASS	
D846	8/21/14	S-199/S-239/S-344	Intersection	INT	8/22/14	10:03 AM	2x3	P	LD	120	8/23/14	JT	AF	PASS	
D847	8/21/14	S-289/S-344/S-345	Intersection	INT	8/22/14	10:08 AM	2x3	P	LD	120	8/23/14	JT	AF	PASS	
D848	8/21/14	S-239/S-345/S-346	Intersection	INT	Covered by D849										
D849	8/21/14	S-239/S-346	Entire seam	FS	8/22/14	10:28 AM	2x11	C	LD	120	8/23/14	JT	AF	PASS	Covers D848, D850 & D867
D850	8/21/14	S-236/S-239/S-346	Intersection	INT	Covered by D849										
D851	8/21/14	S-345/S-346/S-347	Intersection	INT	8/24/14	8:51 AM	2x2	P	LD	116	8/24/14	AV	RB	PASS	
D852	8/21/14	S-288/S-345/S-347	Intersection	INT	8/23/14	5:30 PM	2x2	P	JD	120	8/23/14	JT	AF	PASS	
D853	8/21/14	S-288/S-289/S-347	Intersection	INT	Covered by D827										
D854	8/21/14	S-289/S-290/S-347	Intersection	INT	8/23/14	5:31 PM	2x3	P	JD	120	8/23/14	JT	AF	PASS	
D855	8/21/14	S-290/S-347/S-348	Intersection	INT	8/23/14	5:43 PM	2x4	P	JD	120	8/23/14	JT	AF	PASS	
D856	8/21/14	S-346/S-347/S-348	Intersection	INT	8/24/14	8:42 AM	2x2	P	LD	116	8/24/14	AV	RB	PASS	

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					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D857	8/21/14	S-236/S-346/S-348	Intersection	INT	Covered by D858										
D858	8/21/14	S-236/S-348	Entire seam	FS	8/22/14	10:18 AM	2x7	C	LD	120	8/24/14	AV	BM	PASS	Covers D857 & D859
D859	8/21/14	S-236/S-237/S-348	Intersection	INT	Covered by D858										
D860	8/21/14	S-237/S-348/S-349	Intersection	INT	Covered by D861										
D861	8/21/14	S-237/S-349	Entire seam	FS	8/24/14	3:12 PM	2x8	C	LD	116	8/24/14	OT	BM	PASS	Covers D860 & D862
D862	8/21/14	S-237/S-238/S-349	Intersection	INT	Covered by D861										
D863	8/21/14	S-248/S-349/S-350	Intersection	INT	8/24/14	3:18 PM	2x4	P	LD	116	8/24/14	OT	BM	PASS	
D864	8/21/14	S-290/S-348/S-350	Intersection	INT	8/24/14	3:28 PM	2x4	P	LD	116	8/24/14	OT	BM	PASS	
D865	8/21/14	S-290/S-291/S-350	Intersection	INT	8/24/14	3:35 PM	2x3	P	LD	116	8/24/14	OT	BM	PASS	
D866	8/21/14	S-290/S-350	DF-141	DF	8/23/14	3:20 PM	2x5	P	JD	120	8/23/14	JT	AF	PASS	
D867	8/21/14	S-236/S-346	DF-142	DF	8/23/14	3:12 PM	2x5	P	JD	120	8/23/14	JT	AF	PASS	
D868	Number Not Used														
D869	Number Not Used														
D870	8/23/14	S-256/S-256A	3' S of S-256/S-259/S-260	DO	8/23/14	4:30 PM	2x10	P	AR	103	8/23/14	JA	BM	PASS	
D871	8/23/14	S-256/S-256A	10' S of S-256/S-259/S-260	DO	8/23/14	4:40 PM	2x10	C	AR	103	8/23/14	JA	BM	PASS	Covers D872
D872	8/23/14	S-255/S-255A/S-256/S-256A	Intersection	DO	Covered by D871										
D873	8/23/14	S-255/S-255A	3 S of D872	DO	8/23/14	4:45 PM	2x6	C	AR	103	8/23/14	JA	BM	PASS	
D874	8/23/14	S-362/S-366/S-367	Intersection	INT	8/29/14	1:50 PM	3x3	P	LD	120	8/29/14	LD	CS	PASS	
D875	8/23/14	S-254/S-254A/S-255/S-255A	Intersection	DO	8/23/14	4:55 PM	2x11	P	AR	103	8/23/14	JA	BM	PASS	
D876	8/23/14	S-362/S-363/S-367	Intersection	INT	8/29/14	1:55 PM	2x4	P	LD	120	8/29/14	LD	CS	PASS	
D877	8/23/14	S-254/S-254A/S-263/S-264	8' S of D875	DO	8/23/14	5:35 PM	2x30	P	AR	103	8/23/14	JA	BM	PASS	
D878	8/23/14	S-363/S-367/S-368	Intersection	INT	9/3/14	2:10 PM	3x4	P	LD	120	9/3/14	AV	MF	PASS	
D879	8/23/14	S-253/S-253A/S-254/S-254A	Intersection	DO	8/23/14	5:50 PM	2x9	P	AR	103	8/23/14	JA	BM	PASS	
D880	8/23/14	S-363/S-368/S-369	Intersection	INT	8/29/14	11:06 AM	2x7	P	LD	120					
D881	8/23/14	S-253/S-253A/S-265/S-266	30' S of D879	DO	8/23/14	3:12 PM	6x50	P	AR	103	8/23/14	JA	BM	PASS	
D882	8/23/14	S-265/S-265A/S-266/S-266A	Intersection	INT	Covered by D881										
D883	8/23/14	S-266/S-266A	130' S of N EOS	DO	Covered by D881										
D884	8/23/14	S-252/S-252A/S-253/S-253A	Intersection	INT	8/23/14	3:40 PM	2x10	P	JD	120	8/23/14	JA	BM	PASS	
D885	8/23/14	S-297/S-363/S-369	Intersection	INT	8/29/14	11:06 AM	2x7	P	LD	120	9/3/14	AV	MF	PASS	Covers D958
D886	8/23/14	S-251/S-251A/S-252/S-252A	Intersection	INT	8/23/14	3:48 PM	2x6	P	JD	120	8/23/14	JA	BM	PASS	
D887	8/23/14	S-297/S-364/S-369	Intersection	INT	8/29/14	10:49 AM	2x4	P	LD	120	9/3/14	AV	MF	PASS	
D888	8/23/14	S-250/S-250A/S-251/S-251A	Intersection	INT	8/23/14	4:20 PM	2x4	P	JD	120	8/23/14	JA	BM	PASS	
D889	Number Not Used														
D890	8/23/14	S-249/S-249A/S-250/S-250A	Intersection	INT	8/23/14	4:37 PM	2x4	P	JD	120	8/23/14	JA	BM	PASS	
D891	8/23/14	S-368/S-369/S-370	Intersection	INT	Covered by D979										
D892	8/23/14	S-248/S-248A/S-249/S-249A	Intersection	INT	8/23/14	4:44 PM	2x3	P	JD	120	8/23/14	JA	BM	PASS	
D893	8/23/14	S-299/S-369/S-370	Intersection	INT	Covered by D979										
D894	8/23/14	S-248/S-284A	D892 to D894	DO	8/23/14	4:50 PM	2x2	P	JD	120	8/23/14	JA	BM	PASS	
D895	8/23/14	S-368/S-370/S-371	Intersection	INT	9/3/14	2:18 PM	2x2	P	LD	120	9/3/14	AV	MF	PASS	
D896	Number Not Used														
D897	8/23/14	S-299/S-364/S-369	Intersection	INT	8/29/14	8:42 AM	2x4	P	LD	120	9/4/14	AV	BM	PASS	
D898	8/23/14	S-368/S-371	DF-153	DF	9/3/14	2:25 PM	2x5	P	LD	120	9/4/14	AV	BM	PASS	
D899	8/23/14	S-249/S-249A	DF-143	DF	8/23/14	4:00 PM	2x5	P	JD	120	8/24/14	JA	BM	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D900	8/24/14	S-248/S-248A/S-275/S-356	Intersection	INT	8/24/14	3:30 PM	7x7	P	JD	120	8/24/14	JA	BM	PASS	
D901	8/24/14	S-349/S-351	DF-144	DF	8/24/14	2:18 PM	2x5	P	JD	120	8/24/14	JA	BM	PASS	
D902	8/24/14	S-275/S-355	At crest	IO	8/24/14	5:33 PM	2x7	P	JD	120	8/24/14	JA	BM	PASS	
D903	8/24/14	S-275/S-355	DF-145	DF	8/24/14	5:30 PM	2x5	P	JD	120	8/24/14	JA	BM	PASS	
D904	8/24/14	S-275/S-355	200' S of N EOS	WR	8/24/14	4:45 PM	2x2	P	JD	120	8/24/14	JA	BM	PASS	
D905	8/24/14	S-275/S-355/S-356	Intersection	INT	8/24/14	4:10 PM	2x2	P	JD	120	8/24/14	JA	BM	PASS	
D906	8/24/14	S-355/S-356/S-357	Intersection	INT	8/24/14	4:20 PM	2x2	P	JD	120	8/24/14	JA	BM	PASS	
D907	8/24/14	S-355/S-357	DF-146	DF	8/24/14	4:25 PM	2x5	P	JD	120	8/26/14	JA	BM	PASS	
D908	8/24/14	S-357/S-359	DF-147	DF	8/24/14	5:25 PM	2x5	P	JD	120	8/26/14	JA	BM	PASS	
D909	8/24/14	S-275/S-355	138' S of N EOS	PT	8/24/14	5:00 PM	2x2	P	JD	120	8/26/14	JA	BM	PASS	
D910	8/24/14	S243/S-248/S-356	Intersection	INT	8/24/14	3:40 PM	2x4	P	JD	120	8/24/14	OT	BM	PASS	
D911	8/24/14	S-243/S-356/S-357	Intersection	INT	8/24/14	3:50 PM	3x3	P	JD	120	8/24/14	OT	BM	PASS	
D912	8/24/14	S-357/S-359	286' S of N EOS/12' W	DO	8/24/14	4:50 PM	2x2	P	JD	120	8/24/14	OT	BM	PASS	
D913	8/24/14	S-242/S-243/S-353/S-357/S-360	Intersection/FS	INT/FS	8/24/14	3:10 PM	5x12	C	JD	120	8/24/14	OT	BM	PASS	
D914	8/24/14	S-357/S-359/S-360	Intersection	INT	8/24/14	4:45 PM	2x2	P	LD	116	8/24/14	OT	BM	PASS	
D915	8/24/14	S-355/S-357/S-358	Intersection	INT	8/25/14	9:46 AM	2x3	P	LD	116	8/26/14	JA	BM	PASS	
D916	8/24/14	S-357/S-358/S-359	Intersection	INT	8/25/14	9:54 AM	2x3	P	LD	116	8/26/14	JA	BM	PASS	
D917	8/24/14	S-241/S-242/S-353	Intersection	INT	8/24/14	2:52 PM	2x2	P	LD	116	8/24/14	OT	BM	PASS	
D918	8/24/14	S-241/S-352/S-353	Intersection	INT	8/24/14	2:47 PM	2x2	P	LD	116	8/24/14	OT	BM	PASS	
D919	8/24/14	S-240/S-241/S-353	Intersection	INT	Covered by D920										
D920	8/24/14	S-240/S-352	Entire seam	FS	8/24/14	2:33 PM	2x9	C	LD	116	8/24/14	OT	BM	PASS	Covers D919 & D921
D921	8/24/14	S-240/S-351/S-352	Intersection	INT	Covered by D920										
D922	8/24/14	S-238/S-240/S-351	Intersection	INT	Covered by D923										
D923	8/24/14	S-238/S-351	Entire seam	FS	8/24/14	2:22 PM	2x9	C	LD	116	8/24/14	OT	BM	PASS	Covers D922 & D934
D924	8/24/14	S-238/S-349/S-351	Intersection	INT	Covered by D923										
D925	8/24/14	S-348/S-349/S-351	Intersection	INT	8/24/14	4:36 PM	2x2	P	LD	116	8/24/14	OT	BM	PASS	
D926	8/24/14	S-352/S-353/S-354	Intersection	W	8/24/14	2:40 PM	2x2	P	LD	116	8/24/14	JA	BM	PASS	
D927	8/24/14	S-294/S352/S-354	Intersection	W	8/25/14	8:21 AM	2x4	P	LD	116	8/24/14	JA	BM	PASS	
D928	8/24/14	S-293/S-294/S-352	Intersection	W	8/25/14	8:13 AM	2x4	P	LD	116	8/24/14	JA	BM	PASS	
D929	8/24/14	S-292/S-293/S-352	Intersection	W	8/25/14	8:34 AM	3x4	P	LD	116	8/24/14	JA	BM	PASS	
D930	8/24/14	S-292/S-351/S-352	Intersection	W	8/25/14	8:40 AM	3x4	P	LD	116	8/24/14	JA	BM	PASS	
D931	8/24/14	S-292/S-350/S-351	Intersection	W	8/25/14	9:03 AM	3x6	P	LD	116	8/24/14	JA	BM	PASS	
D932	8/24/14	S-291/S-292/S-350	Intersection	W	8/25/14	8:49 AM	3x4	P	LD	116	8/24/14	JA	BM	PASS	
D933	8/24/14	S-174/S-196	5' W of E EOS	W	Covered by D934										
D934	8/24/14	S-174/S-196	9' W of E EOS	W	8/24/14	3:53 PM	2x24	P	LD	116	8/24/14	OT	BM	PASS	Covers D816, D933, D935 & D936
D935	8/24/14	S-174	15' W of E EOP/6' S	W	Covered by D934										
D936	8/24/14	S-174	19' W of E EOP/9' S	W	Covered by D934										
D937	8/24/14	S-172	4' W of E EOP/3' N	W	Covered by D938										
D938	8/24/14	S-171/S-172	10' W of E EOS	W	8/24/14	2x18	2x18	P	LD	116	8/24/14	OT	BM	PASS	Covers D939 & D940
D939	8/24/14	S-171	14' W of E EOP/4' S	W	Covered by D938										
D940	8/24/14	S-171	18' W of E EOP/6' S	W	Covered by D938										
D941	8/24/14	S-275	195' S of N EOP	W	8/24/14	2x6	2x6	P	LD	116	8/24/14	OT	BM	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
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DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D942	8/27/14	S-294/S-295	DF-148	DF	8/29/14	12:37 PM	2x4	P	LD	120	8/29/14	LD	CS	PASS	
D943	8/27/14	S-297/S-298	DF-149	DF	8/29/14	10:22 AM	3x9	P	LD	120	8/29/14	LD	CS	PASS	Covers D951
D944	8/27/14	S-294/S-295/S-361	Intersection	INT	8/29/14	12:42 PM	3x3	P	LD	120	8/29/14	LD	CS	PASS	
D945	8/27/14	S-294/S-296/S-361	Intersection	INT	8/29/14	12:29 PM	2x2	P	LD	120	8/29/14	LD	CS	PASS	
D946	8/27/14	S-296/S-361/S-362	Intersection	INT	8/29/14	12:29 PM	2x3	P	LD	120	8/29/14	LD	CS	PASS	
D947	8/27/14	S-294/S-354/S-361	Intersection	INT	8/29/14	12:52 PM	2x4	P	LD	120	8/29/14	LD	CS	PASS	
D948	8/27/14	S-296/S-362/S-363	Intersection	INT	8/29/14	11:20 AM	2x4	P	LD	120	8/29/14	LD	CS	PASS	
D949	8/27/14	S-296/S-297/S-363	Intersection	INT	8/29/14	12:00 AM	2x3	P	LD	120	8/29/14	LD	CS	PASS	
D950	8/27/14	S-299/S-364	DF-150	DF	8/29/14	8:53 AM	2x5	P	LD	120	8/29/14	LD	CS	PASS	
D951	8/27/14	S-297/S-298/S-364	Intersection	INT	Covered by D943										
D952	8/27/14	S-298/S-299/S-364	Intersection	INT	8/29/14	10:13 AM	3x7	P	LD	120	8/29/14	LD	CS	PASS	
D953	8/27/14	S-359/S-365	At crest	DF	8/29/14	8:44 AM	2x4	P	LD	120	8/29/14	LD	CS	PASS	
D954	8/27/14	S-353/S-354/S-361/S-365	Intersection	INT	8/29/14	1:11 PM	2x6	P	LD	120	8/29/14	LD	CS	PASS	
D955	8/27/14	S-353/S-360/S-365	Intersection	INT	8/29/14	1:17 PM	2x3	P	LD	120	8/29/14	LD	CS	PASS	
D956	8/27/14	S-359/S-360/S-365	Intersection	INT	8/29/14	1:23 PM	2x3	P	LD	120	8/29/14	LD	CS	PASS	
D957	8/27/14	S-366/S-367	DF-151	DF	8/29/14	8:58 AM	2x5	P	LD	120	8/29/14	LD	CS	PASS	
D958	8/27/14	S-363/S-369	DF-152	DF	Covered by D885										
D959	8/27/14	S-361/S-365/S-366	Intersection	INT	8/29/14	1:33 PM	2x3	P	LD	120	8/29/14	LD	CS	PASS	
D960	8/27/14	S-361/S-362/S-366	Intersection	INT	8/29/14	1:35 PM	2x2	P	LD	120	8/29/14	LD	CS	PASS	
D961	8/27/14	S-299/S-370/S-374	Intersection	INT	Covered by D981										
D962	8/27/14	S-299/S-372/S-373	Intersection	INT	Covered by D963										
D963	8/27/14	S-299/S-372	DF-154	DF	9/3/14	10:30 AM	2x7	P	LD	120	9/3/14	AV	BM	PASS	Covers D962
D964	8/27/14	S-299/S-300/S-373	Intersection	INT	8/29/14	8:39 AM	2x6	P	LD	120	9/3/14	AV	BM	PASS	
D965	8/27/14	S-300/S-301/S-373	Intersection	INT	8/29/14	8:55 AM	4x8	P	LD	120	9/3/14	AV	BM	PASS	Covers D966
D966	8/27/14	S-300/S-301	77' W of E EOS	WR	Covered by D965										
D967	8/27/14	S-301/S-373	29' W of E EOS	WR	8/29/14	9:52 AM	2x5	P	LD	120	9/3/14	AV	BM	PASS	
D968	8/27/14	S-299/S-371	Entire seam	FS	Covered By D965										
D969	8/28/14	S-299/S-371/S-372/S-374	Intersection	INT	Covered By D981										
D970	8/28/14	S-301/S-372/S-374	Intersection	INT	Covered By D983										
D971	8/28/14	S-301/S-374	Entire seam	FS	Covered By D983										
D972	8/28/14	S-301/S-374/S-375	Intersection	INT	Covered By D983										
D973	8/28/14	S-374/S-375	Intersection	INT	Covered By D975										
D974	8/28/14	S-374/S-376/S-377	Intersection	INT	8/29/14	9:23 AM	2x3	P	AR	103	9/4/14	AV	BM	PASS	
D975	8/28/14	S-374/S-375/S-376	DF-155	DF	9/3/14	9:21 AM	2x7	P	LD	120	9/4/14	AV	BM	PASS	
D976	8/28/14	S-376/S-377/S-378	Intersection	INT	8/29/14	9:00 AM	2x4	P	AR	103	9/4/14	AV	BM	PASS	
D977	8/28/14	S-374/S-377	At crest	IO	8/29/14	12:00 AM	3x3	P	AR	103	9/4/14	AV	BM	PASS	
D978	8/28/14	S-354/S-361	25' E of W EOS	BO	8/29/14	1:02 PM	2x3	P	LD	120	9/3/14	LD	CS	PASS	
D979	8/28/14	S-369/S-370	Entire seam	FS	9/3/14	9:26 AM	3x15	C	LD	120	9/3/14	AV	BM	PASS	Covers D891 & D893
D980	8/28/14	S-380/S-381	DF-156	DF	Covered by D991										
D981	8/28/14	S-299/S-370	Entire seam	FS	9/3/14	11:55 AM	3x25	C	LD	120	9/3/14	AV	BM	PASS	Covers D967, D968 & D969
D982	8/28/14	S-388/S-389	DF-157	DF	8/29/14	9:59 AM	2x4	P	LD	120					
D983	8/28/14	S-372/S-374	E EOS to 12' W	FS	9/3/14	11:16 AM	2x36	C	LD	120	9/4/14	AV	BM	PASS	Covers D970, D971, D972 & D985
D984	8/28/14	S-301/S-372/S-373	Intersection	INT	8/29/14	10:20 AM	2x3	P	AR	103	9/4/14	AV	BM	PASS	

**Cripple Creek & Victor Gold Mining Company
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					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D985	8/28/14	S-301/S-374/S-375	Intersection	INT	Covered by D983										
D986	8/28/14	S-301/S-375/S-386	Intersection	INT	8/29/14	9:44 AM	2x13	P	AR	103	9/4/14	AV	BM	PASS	Covers D980
D987	8/28/14	S-375/S-276/S-386	Intersection	INT	8/29/14	12:15 PM	2x4	P	AR	103	9/4/14	AV	BM	PASS	Covers D988
D988	8/28/14	S-376/S-378/S-386	Intersection	INT	Covered by D987										
D989	8/28/14	S-386/-S-387/S-388	Intersection	INT	9/3/14	8:54 AM	2x2	P	LD	120	9/4/14	AV	BM	PASS	
D990	8/28/14	S-378/S-379/S-380	Intersection	INT	8/29/14	10:20 AM	2x3	P	AR	103	9/4/14	AV	BM	PASS	
D991	8/28/14	S-380/S-381/S-382	Intersection	INT	8/29/14	9:44 AM	2x13	P	AR	103	9/4/14	AV	BM	PASS	Covers D980
D992	8/28/14	S-385/S-395	DF-158	DF	8/29/14	12:15 PM	2x4	P	AR	103	9/4/14	AV	BM	PASS	
D993	8/28/14	S-301/S-375/S-386	DF-159	DF	9/3/14	10:07 AM	2x5	P	LD	120	9/4/14	AV	BM	PASS	
D994	8/28/14	S-378/S-386/S-387	Intersection	INT	9/3/14	9:05 AM	2x3	P	LD	120	9/4/14	AV	BM	PASS	
D995	8/28/14	S-378/S-387/S388	Intersection	INT	9/3/14	9:34 AM	2x3	P	LD	120	9/4/14	AV	BM	PASS	
D996	8/28/14	S-379/S-387/S-388/S-389	Intersection	INT	9/3/14	9:27 AM	2x2	P	LD	120	9/4/14	AV	BM	PASS	
D997	8/28/14	S-379/S-380/S-381/S-389/S-390	Intersection	INT	8/29/14	10:19 AM	2x8	P	AR	103	9/4/14	AV	BM	PASS	
D998	8/28/14	S-381/S-382/S-392	Intersection	INT	8/29/14	10:01 AM	2x5	P	AR	103	9/4/14	AV	BM	PASS	
D999	8/28/14	S-381/S-382/S-395	Intersection	INT	8/29/14	10:54 AM	2x3	P	AR	103	9/4/14	AV	BM	PASS	
D1000	8/28/14	S-382/S-383/S-392	Intersection	INT	8/29/14	11:00 AM	2x4	P	AR	103	9/4/14	AV	BM	PASS	
D1001	8/28/14	S-383/S-392/S-393	Intersection	INT	8/29/14	11:09 AM	2x2	P	AR	103	9/4/14	AV	BM	PASS	
D1002	8/28/14	S-392/S-393/S-394	Intersection	INT	8/29/14	11:15 AM	2x2	P	AR	103	9/4/14	AV	BM	PASS	
D1003	8/28/14	S-383/S-385/S-393/S-394/S-395	Intersection	INT	8/29/14	11:52 AM	2x8	P	AR	103	9/4/14	AV	BM	PASS	
D1004	8/28/14	S-382/S-383/S-384	Intersection	INT	8/29/14	12:21 PM	2x3	P	AR	103	9/4/14	AV	BM	PASS	
D1005	8/28/14	S-383/S-384/S-385	Intersection	INT	8/29/14	12:10 PM	2x2	P	AR	103	9/4/14	AV	BM	PASS	
D1006	8/28/14	S-385/S-395/S-396	Intersection	INT	8/29/14	12:35 PM	2x2	P	AR	103	9/4/14	AV	BM	PASS	
D1007	8/28/14	S-285/S-395/S-396	Intersection	INT	8/29/14	12:40 PM	2x2	P	AR	103	9/4/14	AV	BM	PASS	
D1008	8/28/14	S-389/S-390/S-391	Intersection	INT	8/29/14	10:15 AM	2x2	P	AR	103	9/4/14	AV	BM	PASS	
D1009	8/28/14	S-301	70' W of E EOP	DO	8/29/14	8:16 AM	1x1	P	AR	103	9/3/14	AV	MF	PASS	
D1010	8/28/14	S-196	DF-160	DF	8/29/14	1:55 PM	2x4	P	JT	108	8/19/14	EO	CS	PASS	Covers D1022
D1011	8/28/14	S-196/S-197	216' E of W EOS	DO	8/29/14	1:40 PM	2x6	C	JT	108	8/19/14	EO	CS	PASS	Covers D1012 & D1013
D1012	8/28/14	S-196/S-197	217' E of W EOS	FS	Covered by D1011										
D1013	8/28/14	S-196/S-197	218' E of W EOS	DO	Covered by D1011										
D1014	8/28/14	S-197/S-198	254' E of W EOS	DO	8/29/14	1:25 PM	2x10	C	JT	108	8/19/14	EO	CS	PASS	Covers D1015 & D1016
D1015	8/28/14	S-197/S-198	256' E of W EOS	FS	Covered by D1014										
D1016	8/28/14	S-197/S-198	258' E of W EOS	DO	Covered by D1014										
D1017	8/28/14	S-198	278' E of W EOS/10' N	WR	8/29/14	12:48 PM	2x4	P	JT	108	8/19/14	EO	CS	PASS	
D1018	8/28/14	S-198/S-199	298' E of W EOS	DO	8/29/14	12:40 PM	2x8	C	JT	108	8/19/14	EO	CS	PASS	Covers D1019 & D1020
D1019	8/28/14	S-198/S-199	300' E of W EOS	FS	Covered by D1018										
D1020	8/28/14	S-198/S-199	302' E of W EOS	DO	Covered by D1018										
D1021	8/28/14	S-199	305' E of W EOP	W	8/29/14	11:20 AM	2x13	P	JT	108	8/19/14	EO	CS	PASS	Covers D1032 & D1024
D1022	8/29/14	S-196	200' E of W EOP/10' S	W	Covered by D1010										
D1023	8/29/14	S-199	300' E of W EOP/18' N	W	Covered by D1021										
D1024	8/29/14	S-199	305' E of W EOP/18' N	W	Covered by D1021										
D1025	8/29/14	S-198	282' E of W EOP/18' N	W	8/29/14	1:05 PM	2x2	P	JT	108	8/29/14	EO	CS	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D1026	9/3/14	S-298/S-263	DF-150A	DF	Covered by D1027										
D1027	9/3/14	S-298/S-299	DF-150B	DF	9/3/14	3:11 PM	2x30	C	LD	120	9/3/14	AV	BM	PASS	Covers D1026
D1028	9/3/14	S-370/D979	DX-3	DX	9/3/14	1:41 PM	2x5	P	LD	120	9/3/14	AV	BM	PASS	
D1029	9/3/14	S-363	6' E of W EOP	DO	9/3/14	2:01 PM	2x2	P	LD	120	9/3/14	AV	BM	PASS	
D1030	8/29/14	S-301/S-386	At crest	IO	8/29/14	9:38 AM	3x10	P	LD	120	9/3/14	AV	BM	PASS	
D1031	9/6/14	S-368/S-370/S-379	2' S of S-368/S-370/S-379	DO	9/6/14	1:57 PM	2x3	P	LD	120	9/6/14	AV	TB	PASS	
D1032	9/6/14	S-374/S-375/S-301/S-372	2' S of S-374/S-375/S-301/S-372	DO	9/6/14	1:41 PM	4x5	P	LD	120	9/6/14	AV	TB	PASS	
D1033	9/28/14	S-398/S-399	DF-161	DF	9/28/14	7:15 PM	3x8	P	LD	120	9/28/14	AV	NA	PASS	
D1034	9/28/14	S-258/S-398	DF-162	DF	9/28/14	6:57 PM	4x8	P	LD	120	9/28/14	AV	NA	PASS	
D1035	9/28/14	S-256/S-257/S-259/S-398/S-408	Intersection	INT	9/28/14	6:40 PM	3x6	P	LD	120	9/28/14	JT	NA	PASS	
D1036	9/28/14	S-255/S-398/S-407	Intersection	INT	9/28/14	6:05 PM	3x6	P	LD	120	9/28/14	JT	NA	PASS	
D1037	9/28/14	S-254/S-255/S-398	Intersection	INT	9/28/14	5:51 PM	3x3	P	LD	120	9/28/14	JT	NA	PASS	
D1038	9/28/14	S-253/S-254/S-398	Intersection	INT	9/28/14	5:42 PM	3x3	P	LD	120	9/28/14	JT	NA	PASS	
D1039	9/28/14	S-253/S-398/S-399	Intersection	INT	9/28/14	5:35 PM	3x3	P	LD	120	9/28/14	JT	NA	PASS	
D1040	9/28/14	S-252/S-253/S-399	Intersection	INT	9/28/14	2:07 PM	3x3	P	LD	120	9/28/14	JT	NA	PASS	
D1041	9/28/14	S-251/S-252/S-399	Intersection	INT	9/28/14	2:12 PM	3x3	P	LD	120	9/28/14	JT	NA	PASS	
D1042	9/28/14	S-251/S-399/S-400	Intersection	INT	9/28/14	2:16 PM	3x4	P	LD	120	9/28/14	JT	NA	PASS	
D1043	9/28/14	S-250/S-251/S-400	Intersection	INT	Covered by D1045										
D1044	9/28/14	S-250/S-400/S-401	Intersection	INT	Covered by D1045										
D1045	9/28/14	S-250/S-400/S-401	Entire seam	FS	9/28/14	5:07 PM	3x11	P	LD	120	9/28/14	JT	NA	PASS	
D1046	9/28/14	S-399/S-400/S-403	Intersection	INT	9/28/14	2:22 PM	3x25	P	LD	120	9/28/14	JT	NA	PASS	
D1047	9/28/14	S-265/S-399/S-402	Intersection	INT	9/28/14	4:50 PM	3x4	P	LD	108	9/28/14	JT	NA	PASS	
D1048	9/28/14	S-266/S-402	N EOS	WR	9/28/14	2:22 PM	3x3	P	LD	108	9/28/14	JT	NA	PASS	
D1049	9/28/14	S-266/S-267/S-402	Intersection	INT	9/28/14	2:15 PM	3x3	P	JD	108	9/28/14	JT	NA	PASS	
D1050	9/28/14	S-267/S-268/S-402	Intersection	INT	9/28/14	2:20 PM	3x25	P	JD	108	9/28/14	JT	NA	PASS	
D1051	9/28/14	S-268/S-269/S-402	Intersection	INT	Covered by D1053										
D1052	9/28/14	S-269/S-270/S-402	Intersection	INT	Covered by D1053										
D1053	9/28/14	S-270/S-402	N EOS to 6' S EOS	FS	9/28/14	4:35 PM	3x8	C	JD	108	9/28/14	JT	NA	PASS	Covers D1052 & D1051
D1054	9/28/14	S-400/S-402/S-403	Intersection	INT	Covered by D1056										
D1055	9/28/14	S-400/S-401/S-403	Intersection	INT	Covered by D1056										
D1056	9/28/14	S-400/S-403	Entire seam	FS	9/28/14	3:18 PM	3x6	C	JD	108	9/28/14	JT	NA	PASS	Covers D1054 & D1055
D1057	9/28/14	S-270/S-272/S-401/S-403	Intersection	INT	9/28/14	2:31 PM	2x7	P	LD	120	9/28/14	JT	NA	PASS	Covers D1058
D1058	9/28/14	S-270/S-272/S-401	Intersection	INT	Covered by D1057										
D1059	9/28/14	S-272/S-401/S-404	Intersection	INT	Covered by D1060										
D1060	9/28/14	S-272/S-273/S-404	Intersection	INT	9/28/14	2:56 PM	4x8	P	JD	108	9/28/14	JT	NA	PASS	
D1061	9/28/14	S-273/S-275/S-404	Intersection	INT	9/28/14	3:10 PM	3x8	P	JD	108	9/28/14	JT	NA	PASS	
D1062	9/28/14	S-275/S-401/S-404	Intersection	INT	9/28/14	3:15 PM	2x8	P	LD	120	9/28/14	JT	NA	PASS	
D1063	9/28/14	S-275/S-401	8' S of N EOS	BO	9/28/14	2:48 PM	3x7	P	LD	120	9/28/14	JT	NA	PASS	
D1064	9/28/14	S-275/S-401	33' N of S EOP/ 12' W	WR	9/28/14	2:45 PM	2x3	P	LD	120	9/28/14	JT	NA	PASS	
D1065	9/28/14	S-273/S-275/S-401	Intersection	INT	9/28/14	2:55 PM	3x3	P	LD	120	9/28/14	JT	NA	PASS	
D1066	9/28/14	S-273/S-401	7' S of N EOS	PU	9/28/14	4:03 PM	3x5	P	LD	120	9/28/14	JT	NA	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



DEFECT NUMBER	DEFECT DATE	SEAM & PANEL NUMBER	DESCRIPTION OF DEFECT LOCATION	DEFECT TYPE	DEFECT REPAIR						DEFECT VACUUM TEST				REMARKS
					REPAIR DATE	TIME	SIZE	TYPE	WELD TECH	MACHINE NUMBER	TEST DATE	TECH ID.	QA MONITOR	PASS/ FAIL	
D1067	9/28/14	S-272/S-273/S-401	Intersection	INT	9/28/14	4:07 PM	2x4	P	LD	120	9/28/14	JT	NA	PASS	
D1068	9/28/14	S-250A/S-272/S-401	Intersection	INT	9/28/14	4:26 PM	5x9	P	LD	120	9/28/14	JT	NA	PASS	Covers D1069
D1069	9/28/14	S-250A/S-250/S-401	Intersection	INT	Covered by D1068										
D1070	9/28/14	S-273/S-275	2' N of S EOS	BO	9/28/14	3:49 PM	2x3	P	JD	108	9/28/14	JT	NA	PASS	
D1071	9/28/14	S-272/S-401	Entire seam	IO	9/28/14	3:44 PM	8'	B	JD	108	9/28/14	JT	NA	PASS	
D1072	9/28/14	S-270/S-402/S-403	Intersection	INT	9/28/14	4:32 PM	3x4	P	LD	120	9/28/14	JT	NA	PASS	
D1073	9/28/14	S-250	2' N of S EOP/5' W	DO	9/28/14	5:02 PM	3x7	P	LD	120	9/28/14	JT	NA	PASS	
D1074	9/28/14	S-264/S-265/S-399	Intersection	INT	9/28/14	4:57 PM	3x4	P	JD	108	9/28/14	JT	NA	PASS	
D1075	9/28/14	S-264/S-398/S-399	Intersection	INT	9/28/14	5:05 PM	3x6	P	JD	108	9/28/14	JT	NA	PASS	
D1076	9/28/14	S-265/S-402	Entire seam	FS	9/28/14	3:55 PM	4x11	C	JD	108	9/28/14	JT	NA	PASS	Covers D1047 & D1048
D1077	9/28/14	S-252	11' S of S EOP/4' W	DO	9/28/14	5:27 PM	4x6	P	LD	120	9/28/14	JT	NA	PASS	
D1078	9/28/14	S-263/S-264/S-398	Intersection	INT	9/28/14	5:10 PM	2x6	P	JD	108	9/28/14	JT	NA	PASS	
D1079	9/28/14	S-262/S-263/S-398	Intersection	INT	9/28/14	5:25 PM	2x3	P	JD	108	9/28/14	JT	NA	PASS	
D1080	9/28/14	S-261/S-262/S-398	Intersection	INT	9/28/14	5:30 PM	3x4	P	JD	108	9/28/14	JT	NA	PASS	
D1081	9/28/14	S-255/S-407	SW EOS		Covered by D1082										
D1082	9/28/14	S-255/S-407	S Entire Seam	FS	9/28/14	6:02 PM	2x4	P	LD	120	9/28/14	JT	NA	PASS	Covers D1081
D1083	9/28/14	S-398/S-407/S-408	Intersection	INT	9/28/14	6:10 PM	3x8	P	LD	120	9/28/14	JT	NA	PASS	Covers D1086
D1084	9/28/14	S-256/S-407/S-408	Intersection	INT	9/28/14	6:07 PM	2x4	P	LD	120	9/28/14	JT	NA	PASS	
D1085	9/28/14	S-255/S-256/S-407	Intersection	INT	9/28/14	6:05 PM	2x3	P	LD	120	9/28/14	JT	NA	PASS	
D1086	9/28/14	S-398/S-408	DF-164	DF	Covered by D1083										
D1087	9/28/14	S-258/S-259/S-408	Intersection	INT	Covered by D1035										
D1088	9/28/14	S-261/S-398/S-406	Intersection	INT	9/28/14	5:55 PM	2x5	P	JD	108	9/28/14	JT	NA	PASS	
D1089	9/28/14	S-261/S-398	DF-163	DF	9/28/14	5:45 PM	2x5	P	JD	108	9/28/14	JT	NA	PASS	
D1090	9/28/14	S-398/S-405/S-406	Intersection	INT	9/28/14	6:00 PM	2x3	P	JD	108	9/28/14	JT	NA	PASS	
D1091	9/28/14	S-291/S-406	1' S of N EOS	BO	9/28/14	6:20 PM	2x4	P	JD	108	9/28/14	JT	NA	PASS	
D1092	9/28/14	S-258/S-259/S-398	Intersection	INT	9/28/14	6:45 PM	2x4	P	LD	120	9/28/14	AV	NA	PASS	
D1093	9/30/14	S-274/S-275/S-404	Intersection	INT	9/30/14	3:31 PM	3x10	P	LD	120	9/30/14	AV	BM	PASS	
D1094	9/30/14	S-275/S-401/S-404	Intersection	INT	9/30/14	3:44 PM	3x5	P	LD	120	9/30/14	AV	BM	PASS	
D1095	9/30/14	S-275	SE of S-275/S-401/S-409	DO	9/30/14	5:35 PM	2x10	P	LD	120	9/30/14	AV	BM	PASS	
D1096	9/30/14	S-401/S-409	DX-4	DX	9/30/14	7:08 PM	2x5	P	LD	120	9/30/14	AV	BM	PASS	
D1097	9/30/14	S-275/S-276/S-409	Intersection	INT	9/30/14	6:30 PM	2x3	P	LD	120	9/30/14	AV	BM	PASS	
D1098	9/30/14	S-276	7' E of S-275/S-276/S-409	DO	9/30/14	6:45 PM	2x5	P	LD	120	9/30/14	AV	BM	PASS	
D1099	9/30/14	S-276	10' E of S-275/S-276/S-409	DO	9/30/14	6:45 PM	2x6	P	LD	120	9/30/14	AV	BM	PASS	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Defect / Repair Summary**



Notes:

1. At = Anchor Trench; TI = East, West, North, South Tie-In; WEOS = West End of Seam; EEOS = East End of Seam; NEOS = North End of Seam; SEOS = South End of Seam; EOP = Edge of Panel

2. Defect Type:

FM = Fishmouth

BO = Burnout

W = Wrinkle

DF = Destruct Fusion

DX = Destruct Extrusion

MD = Manufacturer Defect

PU = Puncture

PT = Pressure Test

INT = Panel Intersection

DO = Damage by Others

WR = Welder Restart

IO = Insufficient Overlap

FS = Failed Seam

BS = Boot Skirt

3. Defect Repair Type:

P = Patch

C = Cap

B = Bead

4. Vacuum Test:

Pass or Fail

If a vacuum test fails, the defect is given a new defect number. It is then re-repaired and re-vacuum tested.

Appendix J.5

**Secondary Geomembrane Fusion &
Extrusion Destructive Testing Summary**

Fusion Welds

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Destructive Testing Summary



SAMPLE NUMBER	SEAM	SEAM DATE	WELDING DATA		DATE TESTED	TEST RESULTS															PASS/ FAIL	QA MONITOR	REMARKS
			MACHINE NUMBER	WELD TECH.		INSIDE PEEL STRENGTH (ppi)					OUTSIDE PEEL STRENGTH (ppi)					SHEAR STRENGTH (ppi)							
DF-1	S-2/S-3	06/10/14	94	JT	06/11/14	187	187	194	192	176	78	120	128	159	184	0	0	0	0	-	FAIL	DB	
DF-1A	S-2/S-3	06/10/14	94	JT	06/11/14	185	193	192	201	195	196	201	205	206	151	211	209	208	200	211	PASS	DB	
DF-1B	S-2/S-3	06/10/14	94	JT	06/11/14	196	191	196	200	193	191	186	194	192	192	205	206	214	206	217	PASS	DB	
DF-2	S-4/S-5	06/10/14	94	JT	06/11/14	188	181	181	183	156	173	156	159	129	179	202	195	195	200	202	PASS	DB	
DF-3	S-5/S-6	06/10/14	93	JD	06/12/14	212	205	206	204	210	203	201	211	202	204	216	228	224	225	227	PASS	DB	
DF-4	S-6/S-7	06/10/14	93	JD	06/11/14	179	175	182	176	188	183	173	171	182	172	200	203	203	203	204	PASS	DB	
DF-5	S-9/S-10	06/11/14	94	JT	06/11/14	200	204	195	205	206	188	201	204	195	196	225	218	225	209	226	PASS	TB	
DF-6	S-10/S-11	06/11/14	94	JT	06/11/14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FAIL	TB	
DF-6B	S-10/S-11	06/11/14	94	JT	06/11/14	161	162	157	175	200	188	191	191	200	187	219	214	223	227	221	PASS	TB	
DF-7	S-7/S-8	06/11/14	93	JD	06/12/14	93	86	0	0	0	0	0	0	0	0	0	0	0	0	0	FAIL	DB	
DF-7B	S-7/S-8	06/11/14	93	JD	06/13/14	202	207	187	195	194	189	147	196	199	200	214	219	211	221	220	PASS	DB	
DF-8	S-14/S-15	06/12/14	94	JT	06/13/14	247	237	141	233	209	213	205	213	207	0	0	0	0	0	0	FAIL	DB	
DF-8A	S-14/S-15	06/12/14	94	JT	06/13/14	113	118	105	160	117	136	145	112	129	108	208	214	207	218	209	PASS	DB	
DF-8B	S-14/S-15	06/12/14	93	JD	06/13/14	202	207	187	195	194	189	147	196	199	200	214	219	211	221	220	PASS	DB	
DF-9	S-20/S-22	06/12/14	94	JT	06/13/14	207	182	192	177	184	197	190	162	186	201	229	236	232	237	238	PASS	DB	
DF-10	S-24/S-25	06/13/14	94	JT	06/13/14	115	165	145	115	157	142	184	112	129	137	218	221	203	217	226	PASS	DB	
DF-11	S-29/S-30	06/13/14	94	JT	06/13/14	108	151	105	108	107	107	149	109	155	183	216	217	216	215	214	PASS	DB	
DF-12	S-36/S-37	06/13/14	94	JT	06/14/14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FAIL	DB	
DF-12A	S-37/S-38	06/13/14	94	JT	06/14/14	169	163	161	194	168	197	184	181	170	169	227	229	226	224	222	PASS	DB	
DF-12B	S-36/S-37	06/13/14	94	JT	06/14/14	175	187	184	194	169	195	192	173	164	185	247	253	248	248	247	PASS	DB	
DF-13	S-11/S-40	06/14/14	94	JT	06/14/14	231	237	235	242	237	165	165	171	168	171	185	189	178	197	189	PASS	AF	
DF-14	S-40/S-41	06/14/14	93	JT	06/14/14	202	218	211	208	197	180	188	184	198	182	231	235	234	237	236	PASS	DB	
DF-15	S-39/S-46	06/16/14	92	JD	06/16/14	183	211	184	220	187	202	198	192	193	187	256	256	256	256	258	PASS	DB	
DF-16	S-26/S-48	06/16/14	94	JT	06/16/14	175	192	202	232	200	193	200	198	208	216	239	239	239	237	237	PASS	DB	
DF-17	S-49/S-52	06/16/14	92	JD	06/16/14	0	0	0	0	0	206	195	0	0	0	0	0	0	0	0	FAIL	DB	
DF-17A	S-49/S-52	06/16/14	92	JD	06/16/14	193	195	193	209	191	194	196	188	200	201	256	259	259	266	266	PASS	DB	
DF17B	S-49/S-51	06/16/14	92	JD	06/16/14	221	197	182	197	194	203	198	197	201	198	256	257	257	258	258	PASS	DB	
DF-18	S-55/S-56	06/16/14	92	JD	06/16/14	203	209	203	213	217	224	209	212	212	207	264	264	264	263	263	PASS	DB	
DF-19	S-56/S-57	06/16/14	94	JT	06/16/14	207	217	185	165	176	164	191	169	206	207	161	261	261	261	261	PASS	DB	
DF-20	S-57/S-58	06/16/14	92	JD	06/16/14	204	223	195	212	198	197	213	204	192	197	255	256	256	258	258	PASS	DB	
DF-21	S-58/S-59	06/16/14	92	JD	06/16/14	180	192	194	189	184	197	192	196	196	191	241	245	246	246	253	PASS	CS	
DF-22	S-61/S-65	06/18/14	92	JD	06/18/14	190	193	193	193	199	190	195	198	196	195	202	212	235	224	222	PASS	DB	
DF-23	S-65/S-66	06/18/14	94	JT	06/18/14	189	195	199	194	191	196	193	195	195	189	225	225	216	216	222	PASS	DB	
DF-24	S-66/S-67	06/18/14	92	JD	06/18/14	196	200	189	189	199	187	192	194	193	181	220	221	222	216	225	PASS	DB	
DF-25	S-69/S-70	06/18/14	94	JT	06/18/14	160	178	174	179	176	173	171	184	178	182	206	212	207	215	216	PASS	DB	
DF-26	S-59/S-70	06/18/14	92	JD	06/18/14	197	194	188	197	196	190	193	192	188	202	186	195	200	194	197	PASS	DB	
DF-27	S-71/S-72	06/18/14	94	JT	06/18/14	161	187	170	180	176	190	175	186	170	189	208	208	209	210	212	PASS	DB	
DF-28	S-41/S-62	06/19/14	92	JD	06/19/14	172	166	174	175	165	184	183	167	186	185	210	204	203	211	217	PASS	DB	

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Destructive Testing Summary



SAMPLE NUMBER	SEAM	SEAM DATE	WELDING DATA		DATE TESTED	TEST RESULTS															PASS/ FAIL	QA MONITOR	REMARKS
			MACHINE NUMBER	WELD TECH.		INSIDE PEEL STRENGTH (ppi)					OUTSIDE PEEL STRENGTH (ppi)					SHEAR STRENGTH (ppi)							
DF-29	S-59/S-74	06/19/14	94	JT	06/19/14	185	191	192	194	198	197	197	197	199	199	218	219	216	220	223	PASS	DB	
DF-30	S-76/S-77	06/19/14	92	JD	06/19/14	184	184	193	193	195	206	192	174	189	190	219	221	218	222	225	PASS	DB	
DF-31	S-81/S-82	06/19/14	92	JD	06/19/14	176	177	175	183	190	181	173	194	189	174	184	188	184	190	193	PASS	DB	
DF-32	S-86/S-87	06/19/14	94	JT	06/19/14	197	190	190	191	189	187	185	181	187	187	194	196	193	193	193	PASS	DB	
DF-33	S-90/S-91	06/20/14	94	JT	06/20/14	176	170	164	167	177	167	180	175	180	165	194	201	201	200	187	PASS	DB	
DF-34	S-94/S-96	06/20/14	92	JD	06/20/14	184	182	177	184	182	182	191	179	183	189	198	201	194	196	193	PASS	DB	
DF-35	S-99/S-100	06/20/14	94	JT	06/20/14	172	180	181	173	183	181	184	181	188	176	203	204	180	193	195	PASS	DB	
DF-36	S-100/S-102	06/20/14	92	JD	06/20/14	191	171	178	149	176	176	180	177	179	180	193	198	191	196	194	PASS	DB	
DF-37	S-102/S-103	06/20/14	94	JT	06/20/14	180	177	177	179	183	175	171	177	182	184	197	200	193	195	195	PASS	CS	
DF-38	S-103/S-104	06/20/14	92	JD	06/20/14	192	192	184	186	186	175	180	177	165	172	198	201	196	198	201	PASS	CS	
DF-39	S-75/S-100	06/20/14	92	JD	06/21/14	189	187	198	174	193	192	195	196	193	188	212	215	210	215	2113	PASS	CS	
DF-40	S-106/S-107	06/21/14	94	JT	06/21/14	145	163	178	179	176	161	179	184	198	187	207	205	209	209	220	PASS	CS	
DF-41	S-107/S-109	06/21/14	92	JD	06/21/14	153	121	181	188	185	143	179	186	191	196	182	187	192	191	195	PASS	CS	
DF-42	S-110/S-111	06/21/14	93	JT	06/21/14	173	171	173	175	178	165	173	171	178	172	200	191	195	201	203	PASS	CS	
DF-43	S-113/S-114	06/21/14	92	JD	06/21/14	181	183	179	180	194	184	176	175	183	175	203	207	202	204	201	PASS	CS	
DF-44	S-121/S-122	06/23/14	92	JD	06/23/14	182	173	181	110	194	181	181	185	136	189	205	206	221	228	225	PASS	DB	
DF-45	S-124/S-125	06/23/14	93	JT	06/23/14	163	163	127	130	137	192	202	187	193	182	219	224	218	222	225	PASS	DB	
DF-46	S-112/S-123	06/23/14	92	JD	06/23/14	133	204	151	152	182	194	131	137	160	113	215	166	172	186	190	PASS	DB	
DF-47	S-127/S-128	06/23/14	93	JT	06/26/14	193	205	200	196	191	204	185	197	199	196	225	229	232	237	240	PASS	DB	
DF-48	S-128/S-129	06/23/14	93	JT	06/24/14	199	185	187	186	182	182	177	200	193	183	211	212	202	204	210	PASS	CS	
DF-49	S-131/S-132	06/25/14	92	JD	06/26/14	8	175	134	148	176	137	173	178	180	134	188	198	187	196	192	PASS	DB	
DF-50	S-132/S-133	06/25/14	93	JT	06/26/14	137	182	138	177	127	178	138	168	186	165	204	206	201	204	191	PASS	DB	
DF-51	S-133/S-134	06/25/14	92	JD	06/26/14	179	162	170	191	136	181	173	151	149	138	189	197	200	203	200	PASS	DB	
DF-52	S-136/S-137	06/25/14	93	JT	06/26/14	146	170	120	161	183	182	181	182	181	189	204	208	201	203	205	PASS	DB	
DF-53	S-138/S-139	06/26/14	92	JD	06/27/14	203	203	212	210	202	207	204	214	210	206	222	218	238	239	239	PASS	DB	
DF-54	S-139/S-140	06/26/14	93	JT	06/27/14	206	205	190	197	193	189	193	207	205	179	217	217	226	219	220	PASS	DB	
DF-55	S-141/S-142	06/26/14	93	JT	06/27/14	209	207	200	207	209	178	153	204	208	209	239	242	232	233	231	PASS	CS	
DF-56	S-142/S-143	06/26/14	92	JD	06/27/14	208	191	213	208	196	211	200	175	170	166	212	213	225	223	228	PASS	DB	
DF-57	S-144/S-145	06/26/14	92	JD	06/27/14	173	186	182	168	185	198	191	189	200	131	203	211	221	229	219	PASS	CS	
DF-58	S-146/S-147	06/27/14	93	JT	06/27/14	149	143	153	171	155	122	189	183	136	154	208	204	205	208	206	PASS	DB	
DF-59	S-147/S-148	06/27/14	92	JD	06/27/14	189	115	164	171	158	180	143	166	193	139	225	225	220	225	216	PASS	CS	
DF-60	S-148/S-149	06/27/14	93	JT	06/27/14	151	141	133	132	131	166	146	149	140	126	199	202	212	213	216	PASS	CS	
DF-61	S-152/S-153	06/27/14	92	JD	06/27/14	177	193	181	164	163	171	193	172	183	179	223	224	214	204	222	PASS	CS	
DF-62	S-150/S-156	06/27/14	93	JT	06/27/14	194	184	160	164	183	187	160	186	204	190	171	169	188	188	198	PASS	DB	
DF-63	S-68/S-158	06/27/14	92	JD	06/27/14	173	132	185	175	129	170	122	154	193	130	171	169	188	188	198	PASS	DB	
DF-64	S-165/S-166	06/28/14	92	JD	06/30/14	123	118	133	150	146	122	153	163	140	119	192	208	205	210	208	PASS	CS	
DF-65	S-166/S-167	06/28/14	93	JT	06/30/14	116	143	184	126	114	129	165	177	154	145	201	202	183	196	194	PASS	CS	
DF-66	S-167/S-168	06/28/14	92	JD	06/30/14	178	128	127	138	144	178	142	151	138	121	183	185	205	209	213	PASS	CS	

Cripple Creek & Victor Gold Mining Company
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Secondary Geomembrane Fusion Welding Destructive Testing Summary



SAMPLE NUMBER	SEAM	SEAM DATE	WELDING DATA		DATE TESTED	TEST RESULTS															PASS/ FAIL	QA MONITOR	REMARKS
			MACHINE NUMBER	WELD TECH.		INSIDE PEEL STRENGTH (ppi)					OUTSIDE PEEL STRENGTH (ppi)					SHEAR STRENGTH (ppi)							
DF-67	S-168/S-169	06/28/14	93	JT	06/30/14	156	161	129	139	129	145	149	143	134	164	178	173	192	178	191	PASS	CS	
DF-68	S-171/S-172	06/28/14	93	JT	06/30/14	118	113	151	131	116	121	126	146	133	117	194	192	189	190	196	PASS	CS	
DF-69	S-172/S-173	06/30/14	94	JD	06/30/14	157	145	144	127	133	172	168	162	179	119	176	180	203	205	193	PASS	CS	
DF-70	S-173/S-174	06/30/14	93	JT	06/30/14	182	156	148	155	166	178	162	142	134	166	198	195	208	209	209	PASS	CS	
DF-71	S-179/S-182	06/30/14	94	JD	06/30/14	153	157	134	162	156	129	143	169	170	175	185	182	185	182	181	PASS	CS	
DF-72	S-131/S-175	06/30/14	93	JT	06/30/14	130	123	152	171	129	152	166	149	160	160	173	171	188	184	189	PASS	CS	
DF-73	S-182/S-185	07/02/14	93	JT	07/02/14	202	199	216	214	213	154	175	185	202	202	239	237	238	235	239	PASS	CS	
DF-74	S-186/S-187	07/02/14	93	JT	07/02/14	164	178	193	178	203	198	204	170	160	180	230	222	223	223	234	PASS	CS	
DF-75	S-187/S-188	07/02/14	94	JD	07/02/14	200	204	177	192	201	135	140	143	177	190	212	217	223	220	246	PASS	CS	
DF-76	S-190/S-191	07/02/14	93	JT	07/02/14	156	196	129	154	121	197	201	177	163	153	220	219	212	212	226	PASS	CS	
DF-77	S-191/S-192	07/02/14	94	JD	07/02/14	178	189	150	146	132	137	171	180	183	189	206	210	208	204	210	PASS	CS	
DF-78	S-192/S193	07/02/14	93	JT	07/02/14	149	157	142	146	143	145	157	156	174	193	203	200	226	225	211	PASS	CS	
DF-79	S-174/S-196	07/02/14	94	JD	07/03/14	158	164	148	168	140	195	191	146	133	200	234	232	246	250	252	PASS	DB	
DF-80	S-197/S-198	07/02/14	93	JT	07/03/14	152	139	167	160	197	184	174	195	168	194	228	224	241	243	235	PASS	DB	
DF-81	S-198/S-199	07/02/14	94	JD	07/03/14	155	176	162	178	162	191	197	129	158	181	233	235	232	228	232	PASS	DB	
DF-82	S-203/S-204	07/02/14	94	JD	07/03/14	167	173	133	155	139	177	183	160	166	165	185	191	199	195	197	PASS	RM	
DF-83	S-137/S-200	07/02/14	94	JD	07/03/14	133	169	160	158	123	172	149	180	177	181	192	181	196	191	201	PASS	RM	
DF-84	S-205/S-206	07/10/14	93	JT	07/10/14	133	115	145	137	115	117	128	171	164	156	172	169	190	191	184	PASS	DB	
DF-85	S-206/S-207	07/10/14	94	JD	07/10/14	173	110	0	0	0	166	0	0	0	0	0	0	0	0	0	FAIL	DB	
DF-85A	S-206/S-207	07/10/14	94	JD	07/10/14	48	62	0	0	0	158	159	0	0	0	0	0	0	0	0	FAIL	DB	
DF-85B	S-206/S-207	07/10/14	94	JD	07/10/14	154	79	80	146	0	161	141	0	0	0	0	0	0	0	0	FAIL	DB	
DF-85B1	S-206/S-207	07/10/14	94	JD	07/10/14	137	151	114	154	136	115	1557	110	165	117	182	186	186	191	197	PASS	DB	
DF-85A1	S-206/S-207	07/10/14	94	JD	07/10/14	106	122	85	89	0	151	110	0	0	0	0	0	0	0	0	FAIL	DB	
DF-85A2	S-206/S-207	07/10/14	94	JD	07/10/14	108	123	0	0	0	110	146	0	0	0	0	0	0	0	0	FAIL	DB	
DF-85A3	S-206/S-207	07/10/14	94	JD	07/10/14	168	165	138	173	136	138	171	139	168	155	179	182	186	181	197	PASS	DB	
DF-86	S-209/S-210	07/10/14	93	JT	07/10/14	132	122	140	150	136	114	133	150	140	153	146	161	141	155	149	PASS	DB	
DF-87	S-210/S-211	07/10/14	94	JD	07/10/14	133	130	122	144	125	128	145	160	161	149	155	157	171	177	169	PASS	DB	
DF-88	S-212/S-213	07/11/14	92	JD	07/11/14	121	140	121	131	146	142	161	118	113	163	169	168	164	167	170	PASS	CS	
DF-89	S-213/S-214	07/11/14	93	JT	07/11/14	118	124	141	127	126	156	165	118	138	172	175	174	180	180	183	PASS	DB	
DF-90	S-216/S-217	07/11/14	92	JD	07/15/14	155	148	130	171	159	131	136	176	135	171	155	153	166	171	171	PASS	CS	
DF-91	S-217/S-218	07/11/14	93	JT	07/11/14	171	173	149	189	199	172	149	161	124	112	173	173	170	178	171	PASS	DB	
DF-92	S-195/S-220	07/22/14	93	JT	07/22/14	170	184	189	185	183	180	183	180	185	189	210	212	210	211	212	PASS	AT	
DF-93	S-220/S-221	07/22/14	92	JD	07/22/14	194	200	150	177	184	177	177	178	181	175	188	193	190	193	190	PASS	AT	
DF-94	S-206/S-228	07/24/14	93	JT	07/24/14	156	167	162	165	159	165	168	163	169	167	192	190	195	193	188	PASS	AT	
DF-95	S-226/S-227	07/24/14	92	JD	07/24/14	146	152	161	162	167	159	155	165	170	163	192	193	195	202	192	PASS	AT	
DF-96	S-185/S-225	07/24/14	93	JT	07/24/14	151	155	154	153	154	159	149	160	163	151	157	158	152	154	165	PASS	AT	
DF-97	S-211/S-212	07/24/14	92	JD	07/24/14	145	152	139	162	149	141	152	149	152	149	163	166	162	162	173	PASS	AT	
DF-98	S-218/S-219	07/24/14	92	JD	07/24/14	152	165	153	172	160	155	167	157	165	160	178	175	182	182	185	PASS	AT	

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Destructive Testing Summary



SAMPLE NUMBER	SEAM	SEAM DATE	WELDING DATA		DATE TESTED	TEST RESULTS															PASS/ FAIL	QA MONITOR	REMARKS
			MACHINE NUMBER	WELD TECH.		INSIDE PEEL STRENGTH (ppi)					OUTSIDE PEEL STRENGTH (ppi)					SHEAR STRENGTH (ppi)							
DF-99	S-199/S-234	07/26/14	92	JD	07/26/14	159	149	153	152	143	162	150	162	148	158	176	161	176	185	180	PASS	DB	
DF-100	S-236/S-237	07/26/14	92	JD	07/26/14	147	149	149	167	154	174	175	168	183	147	199	196	201	191	199	PASS	DB	
DF-101	S-237/S-238	07/26/14	93	JT	07/26/14	185	175	176	177	165	182	182	162	176	157	192	186	194	187	190	PASS	DB	
DF-102	S-240/S-241	07/27/14	93	JT	07/27/14	158	152	180	169	177	166	157	141	132	152	186	188	180	181	190	PASS	DB	
DF-103	S-241/S-242	07/27/14	92	JD	07/27/14	156	161	169	168	174	167	163	176	166	183	192	193	191	193	192	PASS	DB	
DF-104	S-242/S-243	07/27/14	92	JD	07/27/14	155	139	149	153	155	163	156	164	156	147	167	167	169	163	166	PASS	DB	
DF-105	S-245/S-246	07/27/14	92	JD	08/13/14	139	127	140	182	151	164	144	125	170	172	195	194	197	193	197	PASS	CS	
DF-106	S-248/S-249	08/09/14	93	JT	08/09/14	164	163	134	162	151	148	157	132	158	161	153	155	157	152	144	PASS	CS	
DF-107	S-249/S-250	08/09/14	92	JD	08/09/14	133	143	125	144	148	120	142	139	149	133	184	174	167	184	189	PASS	CS	
DF-108	S-253/S-254	08/09/14	93	JT	08/10/14	156	173	176	157	152	174	145	166	151	146	169	163	166	171	172	PASS	CS	
DF-109	S-254/S-255	08/09/14	92	JD	08/10/14	153	143	162	143	172	176	149	161	158	156	183	159	171	178	174	PASS	CS	
DF-110	S-265/S-266	08/10/14	92	JD	08/11/14	156	153	183	180	152	171	157	194	179	147	184	177	188	179	171	PASS	CS	
DF-111	S-266/S-268	08/10/14	93	JT	08/11/14	172	147	169	172	170	173	172	165	166	178	209	204	198	194	200	PASS	CS	
DF-112	S-270/S-272	08/10/14	93	JT	08/11/14	184	172	192	179	176	190	182	182	178	176	198	205	211	207	201	PASS	CS	
DF-113	S-272/S-273	08/10/14	92	JD	08/11/14	171	154	187	189	98	116	97	102	-	-	-	-	-	-	-	FAIL	CS	
DF-113A	S-272/S-273	08/10/14	92	JD	08/12/14	124	139	127	124	133	140	129	133	142	141	177	169	171	193	181	PASS	AT	
DF-113B	S-272/S-273	08/10/14	92	JD	08/12/14	138	132	131	131	151	138	129	134	145	123	180	175	177	166	173	PASS	AT	
DF-114	S-247/S-276	08/13/14	93	JT	08/14/14	190	185	145	155	128	137	189	135	142	132	218	206	214	200	208	PASS	CS	
DF-115	S-276/S-277	08/13/14	94	JD	08/14/14	131	176	138	171	136	138	171	146	176	158	194	193	190	193	199	PASS	CS	
DF-116	S-279/S-280	08/13/14	93	JT	08/14/14	134	146	167	153	186	116	161	146	158	146	191	200	208	201	215	PASS	CS	
DF-117	S-280/S-281	08/13/14	94	JD	08/14/14	180	145	177	158	166	173	151	170	153	182	198	195	208	200	206	PASS	CS	
DF-118	S-284/S-285	08/14/14	94	JD	08/15/14	132	131	150	128	144	138	142	164	134	158	197	201	201	209	189	PASS	BR	
DF-119	S-288/S-289	08/14/14	93	JT	08/15/14	126	129	154	143	145	136	126	134	166	159	198	198	194	204	204	PASS	BR	
DF-120	S-289/S-290	08/14/14	94	JD	08/15/14	135	178	145	137	131	131	158	135	173	150	201	210	203	201	202	PASS	BR	
DF-121	S-296/S-297	08/14/14	93	JT	08/15/14	138	164	155	137	135	196	143	135	128	160	205	216	223	217	216	PASS	BR	
DF-122	S-297/S-298	08/14/14	94	JD	08/15/14	168	127	149	179	130	140	125	132	191	129	204	197	207	210	202	PASS	BR	
DF-123	S-233/S-304	08/16/14	93	JT	08/18/14	164	166	131	140	167	157	162	166	160	155	177	174	178	175	174	PASS	AT	
DF-124	S-184/S-306	08/16/14	93	JT	08/19/14	145	189	191	176	138	140	158	138	174	173	200	183	202	200	197	PASS	CS	
DF-125	S-185/S-302	08/16/14	94	JD	08/19/14	187	145	168	185	192	166	167	199	190	158	204	202	216	214	198	PASS	CS	
DF-126	S-310/S-312	08/18/14	94	JD	08/19/14	102	120	-	-	-	94	52	-	-	-	-	-	-	-	-	FAIL	CS	
DF-126B	S-215/S-312	08/18/14	94	JD	08/19/14	155	140	132	142	145	167	137	136	129	149	188	192	193	193	197	PASS	CS	
DF-126A	S-310/S-312	08/18/14	94	JD	08/19/14	159	127	125	158	131	174	129	137	142	151	205	207	187	186	189	PASS	CS	
DF-127	S-312/S-313	08/18/14	93	JT	08/19/14	128	163	136	135	131	123	156	132	146	174	162	165	144	166	169	PASS	CS	
DF-128	S-219/S-315	08/18/14	94	JD	08/19/14	142	125	103	-	-	128	136	66	-	-	-	-	-	-	-	FAIL	CS	
DF-128B	S-219/S-315	08/18/14	94	JD	08/19/14	119	120	131	133	128	131	158	131	132	130	206	204	214	206	214	PASS	CS	
DF-128A	S-219/S-315	08/18/14	94	JD	08/19/14	126	118	131	117	117	133	131	142	125	156	200	201	207	207	211	PASS	CS	
DF-129	S-319/S-321	08/19/14	93	JT	08/20/14	181	184	191	178	179	115	189	184	180	164	195	189	198	197	192	PASS	AF/CS	
DF-130	S-245/S-246	08/19/14	94	JD	08/20/14	145	137	176	185	149	156	140	151	150	160	213	217	221	218	207	PASS	AF/CS	

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Destructive Testing Summary



SAMPLE NUMBER	SEAM	SEAM DATE	WELDING DATA		DATE TESTED	TEST RESULTS															PASS/ FAIL	QA MONITOR	REMARKS
			MACHINE NUMBER	WELD TECH.		INSIDE PEEL STRENGTH (ppi)					OUTSIDE PEEL STRENGTH (ppi)					SHEAR STRENGTH (ppi)							
DF-131	S-324/S-326	08/19/14	93	JT	08/20/14	147	161	157	149	144	143	152	147	143	125	135	148	150	158	164	PASS	AF/CS	
DF-132	S-276/S-327	08/19/14	94	JD	08/20/14	166	139	167	171	132	138	148	138	149	158	194	190	195	199	197	PASS	AF/CS	
DF-133	S-167/S-325	08/20/14	93	JT	08/20/14	165	155	161	162	162	154	153	157	162	164	154	147	159	153	160	PASS	AF/CS	
DF-134	S-329/S-331	08/21/14	94	JD	08/22/14	215	211	209	204	194	208	195	187	193	204	241	239	241	238	242	PASS	CS	
DF-135	S-282/S-334	08/21/14	93	JT	08/23/14	223	220	235	205	223	229	224	220	224	222	264	264	276	270	237	PASS	RB	
DF-136	S-282/S-337	08/21/14	94	JD	08/23/14	227	223	215	194	227	219	220	211	212	203	265	265	239	251	270	PASS	RB	
DF-137	S-337/S-339	08/21/14	93	JT	08/22/14	200	201	206	206	206	201	200	200	198	204	220	217	236	228	215	PASS	AF	
DF-138	S-284/S-340	08/21/14	94	JD	08/23/14	64	199	202	196	96	184	189	203	194	-	-	-	-	-	-	FAIL	RB	
DF-138B	S-284/S-340	08/21/14	94	JD	08/23/14	190	197	188	193	169	210	97	169	166	53	-	-	-	-	-	FAIL	RB	
DF-138A	S-284/S-340	08/21/14	94	JD	08/23/14	196	203	287	191	157	151	177	164	149	192	202	198	208	205	195	PASS	RB	
DF-138B1	S-284/S-340	08/21/14	94	JD	08/23/14	113	68	-	-	-	-	-	-	-	-	-	-	-	-	-	FAIL	RB	
DF-138B2	S-284/S-340	08/21/14	94	JD	08/23/14	202	199	183	195	158	185	199	138	198	142	210	208	210	205	204	PASS	RB	
DF-139	S-344/S-345	08/21/14	93	JT	08/22/14	204	203	204	203	213	207	202	215	199	210	236	2334	235	231	235	PASS	AF	
DF-140	S-289/S-347	08/21/14	94	JD	08/23/14	196	193	170	204	191	210	198	206	197	212	228	226	206	217	219	PASS	RB	
DF-141	S-290/S-350	08/21/14	94	JD	08/23/14	164	149	181	178	153	157	172	179	192	199	203	204	213	211	214	PASS	RB	
DF-142	S-236/S-346	08/21/14	93	JT	08/22/14	188	195	186	194	187	285	287	193	187	181	201	207	204	203	202	PASS	CS	
DF-143	S-249/S-249A	08/24/14	93	JT	08/24/14	145	138	151	165	133	124	150	127	173	140	185	183	183	188	181	PASS	RB	
DF-144	S-349/S-351	08/24/14	94	JD	08/24/14	167	157	173	152	146	139	141	167	181	138	204	191	197	189	196	PASS	RB	
DF-145	S-275/S-355	08/24/14	94	JD	08/25/14	139	154	162	166	180	191	171	181	177	196	212	215	210	212	212	PASS	AF	
DF-146	S-355/S-357	08/24/14	94	JD	08/24/14	135	174	172	172	185	138	155	171	164	134	190	185	189	192	193	PASS	RB	
DF-147	S-357/S-359	08/24/14	93	JT	08/25/14	187	187	171	172	132	171	172	191	171	168	192	182	192	197	190	PASS	AF	
DF-148	S-294/S-295	08/27/14	93	JT	08/29/14	127	136	135	155	130	130	164	160	166	141	159	153	163	166	161	PASS	DK	
DF-149	S-297/S-298	08/27/14	94	JD	08/29/14	140	155	151	174	156	180	176	146	130	136	174	154	140	137	144	PASS	AF	
DF-150	S-299/S-364	08/27/14	93	JT	08/29/14	0	-	-	-	-	-	-	-	-	-	-	-	0	-	-	FAIL	CS	
DF-150A	S-299/S-364	08/27/14	93	JT	09/03/14	145	136	136	128	127	139	147	135	146	119	175	184	178	190	185	PASS	AF	
DF-150B	S-299/S-364	08/27/14	93	JT	09/03/14	171	139	165	151	149	156	156	125	140	133	181	186	190	158	192	PASS	AF	
DF-151	S-366/S-367	08/27/14	94	JD	08/29/14	220	201	213	217	219	214	201	182	213	200	270	265	272	268	276	PASS	AF	
DF-152	S-363/S-369	08/27/14	93	JT	08/29/14	120	135	149	124	143	129	144	170	163	155	153	141	164	162	160	PASS	DK	
DF-153	S-368/S-371	08/27/14	94	JD	09/03/14	187	145	181	170	148	156	190	138	129	151	220	222	237	138	144	PASS	AF	
DF-154	S-299/S-372	08/27/14	93	JT	09/03/14	207	201	159	190	207	188	196	168	201	179	223	226	226	231	237	PASS	AF	
DF-155	S374/S-375	08/28/14	94	JD	09/03/14	180	179	135	174	156	165	173	127	144	191	216	217	225	219	226	PASS	AF	
DF-156	S-380/S-381	08/27/14	93	JT	08/29/14	168	149	127	158	150	177	165	144	151	167	194	196	175	170	182	PASS	CS	
DF-157	S-388/S-389	08/27/14	94	JD	08/29/14	138	139	134	136	153	158	124	152	140	150	172	172	179	181	176	PASS	DK	
DF-158	S-385/S-395	08/27/14	93	JT	08/29/14	144	122	128	141	152	169	166	164	169	171	163	166	166	181	162	PASS	DK	
DF-159	S-301/S-375	08/28/14	94	JD	09/03/14	179	169	190	181	169	155	155	161	161	132	191	195	182	189	190	PASS	AF	
DF-160	S-196/196A	08/29/14	93	JT	08/29/14	122	120	122	129	124	127	129	136	141	144	147	148	142	148	139	PASS	CS	
DF-161	S-398/S-399	09/28/14	92	JL	09/28/14	131	165	140	162	137	138	151	173	135	128	202	202	202	202	201	PASS	TB	
DF-162	S-258/S-398	09/28/14	94	JD	09/28/14	138	136	168	161	176	174	162	145	190	142	205	213	205	197	213	PASS	TB	

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Fusion Welding Destructive Testing Summary**



SAMPLE NUMBER	SEAM	SEAM DATE	WELDING DATA		DATE TESTED	TEST RESULTS															PASS/ FAIL	QA MONITOR	REMARKS
			MACHINE NUMBER	WELD TECH.		INSIDE PEEL STRENGTH (ppi)					OUTSIDE PEEL STRENGTH (ppi)					SHEAR STRENGTH (ppi)							
DF-163	S-261/S-398	09/28/14	94	JD	09/28/14	129	152	168	158	157	168	157	164	155	188	208	201	222	214	210	PASS	TB	
DF-164	S-398/S-408	09/28/14	92	JL	09/28/14	215	205	148	131	143	123	130	167	134	172	221	204	215	207	206	PASS	TB	

Extrusion Welds

Cripple Creek & Victor Gold Mining Company
Squaw Gulch VLF Pregnant Solution Storage Area
Secondary Geomembrane Extrusion Welding Destructive Testing Summary



SAMPLE NO.	SEAM	SEAM DATE	WELDING DATA		DATE TESTED	TEST RESULTS										PASS/ FAIL	QA MONITOR	REMARKS
			MACHINE NO.	WELD TECH		PEEL STRENGTH (ppi)					SHEAR STRENGTH (ppi)							
						MODE ¹					MODE ¹							
DX-1	S-59/DF-29	06/19/14	116	LD	06/20/14	202 SE3	233 SE3	183 SE3	223 SE3	205 SE3	196 BRK	1985 BRK	193 BRK	194 BRK	186 BRK	PASS	DB	
DX-2	S-74/S-154	06/27/14	120	LD	02/27/14	106 SE3	136 SE3	135 SE3	173 SE3	145 SE3	165 BRK	173 BRK	195 BRK	201 BRK	158 BRK	PASS	DB	
DX-3	S-370 (Cap)	09/03/14	120	LD	09/03/14	164 SE3	166 SE3	175 SE3	147 SE3	145 SE3	181 BRK	174 BRK	178 BRK	176 BRK	179 BRK	PASS	AF	
DX-4	S-401/S-409	09/29/14	108	LD	09/29/14	128 SE3	163 SE3	125 SE3	129 SE3	141 SE3	186 BRK	183 BRK	200 BRK	205 BRK	205 BRK	PASS	NA	

Appendix J.6

Secondary Geomembrane

Non-Destructive Testing Summary

Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-1/S-2	E EOS / W EOS	06/10/14	10:58 AM	11:03 AM	30	30	PASS	BM		X	
S-2/S-3	E EOS / D2	06/10/14	10:45 AM	10:50 AM	30	30	PASS	BM	X		
S-2/S-3	D2 / D3	06/10/14	11:22 AM	11:27 AM	30	30	PASS	DB	X		
S-2/S-3	D3 / W EOS	06/10/14	11:14 AM	11:19 AM	30	30	PASS	DB		X	
S-3/S-4	E EOS / W EOS	06/10/14	11:00 AM	11:05 AM	30	30	PASS	BM		X	
S-4/S-5	E EOS / W EOS	06/10/14	11:38 AM	11:43 AM	30	30	PASS	BM		X	
S-5/S-6	E EOS / W EOS	06/10/14	12:44 PM	12:49 PM	30	30	PASS	TB		X	
S-6/S-7	E EOS / D9	06/11/14	9:17 AM	9:26 AM	30	30	PASS	BM	X		
S-6/S-7	D9 / W EOS	06/11/14	9:40 AM	9:45 AM	30	30	PASS	BM		X	
S-7/S-8	E EOS / D20	06/11/14	9:25 AM	9:30 AM	30	30	PASS	BM	X		
S-7/S-8	D20 / W EOS	06/11/14	9:31 AM	9:36 AM	30	28	PASS	BM		X	
S-8/S-9	E EOS / W EOS	06/11/14	9:36 AM	9:41 AM	30	30	PASS	BM		X	
S-9/S-10	E EOS / W EOS	06/11/14	11:01 AM	11:06 AM	30	30	PASS	BM		X	
S10/S-11	E EOS / W EOS	06/11/14	11:04 AM	11:09 AM	30	30	PASS	BM		X	
S-12/S-13	E EOS / W EOS	06/12/14	3:06 PM	3:11 PM	30	29	PASS	DB		X	
S-13/S-14	E EOS / W EOS	06/12/14	3:09 PM	3:14 PM	30	30	PASS	DB		X	
S-14/S-15	E EOS / W EOS	06/12/14	3:35 PM	3:40 PM	30	30	PASS	DB		X	
S-15/S-16	E EOS / W EOS	06/12/14	3:37 PM	3:42 PM	30	30	PASS	DB		X	
S-16/S-17	S EOS / N EOS	06/12/14	3:38 PM	3:43 PM	30	30	PASS	DB		X	
S-15/S-17	N EOS / S EOS	06/12/14	3:40 PM	3:45 PM	30	29	PASS	DB		X	
S-14/S-17	S EOS / N EOS	06/12/14	3:45 PM	3:50 PM	30	0	FAIL	DB		X	Seam Capped
S-18/S-20	S EOS / N EOS	06/12/14	5:18 PM	5:23 PM	30	30	PASS	DB		X	
S-19/S-20	S EOS / N EOS	06/12/14	5:20 PM	5:25 PM	30	30	PASS	DB		X	
S-18/S-19	S EOS / N EOS	06/12/14	5:25 PM	5:30 PM	30	30	PASS	DB		X	
S-20/S-21	S EOS / N EOS	06/12/14	5:27 PM	5:32 PM	30	30	PASS	DB		X	
S-21/S-22	E EOS / W EOS	06/12/14	5:30 PM	5:35 PM	30	30	PASS	DB		X	
S-20/S-22	W EOS / E EOS	06/12/14	5:32 PM	5:37 PM	30	30	PASS	DB		X	

Acronyms:
EOS-End of Seam
N, S, E, W-Cardinal Directions

Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-17/S-18	S EOS / D38	06/12/14	5:36 PM	5:41 PM	30	30	PASS	DB	X		
S-17/S-18	D38 / N EOS	06/12/14	5:41 PM	5:46 PM	30	30	PASS	DB		X	
S-22/S-23	E EOS / W EOS	06/13/14	9:49 AM	9:54 AM	30	30	PASS	DB		X	
S-23/S-24	E EOS / W EOS	06/13/14	9:50 AM	9:55 AM	30	30	PASS	DB		X	
S-24/S-25	E EOS / W EOS	06/13/14	9:50 AM	9:55 AM	30	30	PASS	DB		X	
S-25/S-26	E EOS / W EOS	06/13/14	9:51 AM	9:56 AM	30	30	PASS	DB		X	
S-26/S-27	E EOS / W EOS	06/13/14	9:59 AM	10:04 AM	30	30	PASS	AF		X	
S-27/S-28	E EOS / D41	06/13/14	10:00 AM	10:05 AM	30	30	PASS	AF	X		
S-27/S-28	D41 / W EOS	06/13/14	10:11 AM	10:16 AM	30	30	PASS	AF		X	
S-28/S-29	E EOS / W EOS	06/13/14	10:00 AM	10:05 AM	30	30	PASS	AF		X	
S-29/S-30	E EOS / W EOS	06/13/14	10:04 AM	10:09 AM	30	30	PASS	AF		X	
S-30/S-31	E EOS / W EOS	06/13/14	3:57 PM	4:03 PM	30	30	PASS	DB		X	
S-32/S-33	E EOS / W EOS	06/13/14	4:04 PM	4:09 PM	30	30	PASS	DB		X	
S-34/S-35	N EOS / S EOS	06/13/14	4:16 PM	4:21 PM	30	30	PASS	DB		X	
S-35/S-36	S EOS / D46	06/13/14	4:22 PM	4:27 PM	30	30	PASS	DB	X		
S-35/S-36	D46 / N EOS	06/13/14	4:22 PM	4:27 PM	30	30	PASS	DB		X	
S-33/S-34	S EOS / D45	06/13/14	4:25 PM	4:30 PM	30	30	PASS	DB	X		
S-33/S-34	D45 / N EOS	06/13/14	4:25 PM	4:30 PM	30	29	PASS	DB		X	
S-31/S-32	E EOS / D42	06/13/14	5:24 PM	5:29 PM	30	30	PASS	DB	X		
S-31/S-32	D42 / W EOS	06/14/14	-	-	0	0	FAIL	DB		X	Seam Capped
S-36/S-37	S EOS / D50	06/14/14	10:43 AM	10:48 AM	30	30	PASS	DB	X		
S-36/S-37	D50 / D47	06/14/14	10:22 AM	10:27 AM	30	30	PASS	DB	X		
S-36/S-37	D47 / D48	06/14/14	10:29 AM	10:34 AM	30	30	PASS	DB	X		
S-36/S-37	D48 / N EOS	06/13/14	4:47 PM	4:53 PM	32	32	PASS	DB		X	
S-37/S-38	N EOS / S EOS	06/14/14	10:54 AM	10:59 AM	30	30	PASS	DB		X	
S-38/S-39	N EOS / S EOS	06/14/14	11:01 AM	11:06 AM	30	30	PASS	DB		X	
S-31/S-39	S EOS / N EOS	06/14/14	11:05 AM	11:10 AM	30	30	PASS	DB		X	

Acronyms:
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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-11/S-40	W EOS / D54	06/14/14	1:57 PM	2:02 PM	30	29	PASS	AF	X		
S-11/S-40	D54 / D55	06/14/14	1:02 PM	1:07 PM	30	30	PASS	AF	X		
S-11/S-40	D55 / E EOS	06/14/14	1:04 PM	1:09 PM	30	30	PASS	AF		X	
S-40/S-41	W EOS / E EOS	06/14/14	1:14 PM	1:19 PM	30	29	PASS	AF		X	
S-41/S-42	W EOS / E EOS	06/16/14	8:17 AM	8:31 AM	30	30	PASS	DB		X	
S-42/S-43	W EOS / E EOS	06/16/14	8:30 AM	8:35 AM	30	30	PASS	DB		X	
S-43/S-44	E EOS / W EOS	06/16/14	8:31 AM	8:36 AM	31	31	PASS	DB		X	
S-43/S-45	E EOS / W EOS	06/16/14	8:43 AM	8:48 AM	30	30	PASS	DB		X	
S-44/S-45	W EOS / E EOS	06/16/14	8:43 AM	8:48 AM	30	30	PASS	DB		X	
S-12/S-44	W EOS / E EOS	06/16/14	8:41 AM	8:46 AM	30	30	PASS	DB		X	
S-39/S-46	N EOS / S EOS	06/16/14	9:13 AM	9:18 AM	30	30	PASS	DB		X	
S-47/S-48	E EOS / W EOS	06/16/14	9:29 AM	9:35 AM	30	30	PASS	DB		X	
S-46/S-47	N EOS / S EOS	06/16/14	9:48 AM	9:54 AM	30	30	PASS	DB		X	
S-27/S-48	S EOS / N EOS	06/16/14	10:02 AM	10:07 AM	30	30	PASS	DB		X	
S-26/S-48	S EOS / N EOS	06/16/14	10:02 AM	10:07 AM	30	30	PASS	DB		X	
S-48/S-49	S EOS / N EOS	06/16/14	10:17 AM	10:22 AM	30	30	PASS	DB		X	
S-47/S-49	N EOS / S EOS	06/16/14	10:17 AM	10:22 AM	30	30	PASS	TRB		X	
S-49/S-50	S EOS / N EOS	06/16/14	10:30 AM	10:35 AM	30	30	PASS	TRB		X	
S-50/S-51	W EOS / E EOS	06/16/14	10:30 AM	10:35 AM	30	30	PASS	TRB		X	
S-49/S-51	N EOS / S EOS	06/16/14	10:33 AM	10:38 AM	30	28	PASS	TRB		X	
S-49/S-52	N EOS / S EOS	06/16/14	10:45 AM	10:50 AM	30	30	PASS	DB		X	
S-51/S-52	W EOS / E EOS	06/16/14	10:46 AM	10:51 AM	30	30	PASS	DB		X	
S-49/S-53	N EOS / S EOS	06/16/14	11:02 AM	11:07 AM	30	30	PASS	DB		X	
S-53/S-55	N EOS / S EOS	06/16/14	1:51 PM	1:56 PM	30	30	PASS	AF		X	
S-52/S-53	E EOS / W EOS	06/16/14	2:03 PM	2:08 PM	30	29	PASS	DB		X	
S-53/S-54	W EOS / E EOS	06/16/14	2:12 PM	2:17 PM	30	29	PASS	AF		X	
S-54/S-55	N EOS / D79	06/16/14	2:14 PM	2:19 PM	30	30	PASS	AF		X	

Acronyms:
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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-54/S-55	D79 / S EOS	06/17/14	8:02 AM	8:07 AM	30	30	PASS	DB	X		
S-56/S-57	N EOS / S EOS	06/16/14	2:30 PM	2:35 PM	30	30	PASS	AF		X	
S-55/S-56	N EOS / S EOS	06/16/14	2:58 PM	3:03 PM	30	30	PASS	AF		X	
S-57/S-58	N EOS / S EOS	06/16/14	3:07 PM	3:12 PM	30	30	PASS	AF		X	
S-49/S-54	N EOS / S EOS	06/16/14	3:08 PM	3:13 PM	30	30	PASS	AF		X	
S-58/S-59	N EOS / S EOS	06/16/14	3:10 PM	3:15 PM	30	30	PASS	AF		X	
S-52/S-55	N EOS / S EOS	06/16/14	3:25 PM	3:30 PM	30	30	PASS	AF		X	
S-51/S-55	S EOS / N EOS	06/16/14	3:30 PM	3:35 PM	30	30	PASS	AF		X	
S-50/S-55	S EOS / N EOS	06/16/14	3:33 PM	3:38 PM	30	30	PASS	AF		X	
S-25/S49	S EOS / N EOS	06/16/14	3:55 PM	4:01 PM	30	30	PASS	DB		X	
S-25/S-48	S EOS / N EOS	06/16/14	-	-	0	0	FAIL	DB		X	Seam Capped
S-29/S-46	S EOS / N EOS	06/17/14	6:15 AM	6:20 AM	30	30	PASS	DB		X	
S-30/S-46	N EOS / S EOS	06/17/14	6:16 AM	6:21 AM	30	30	PASS	DB		X	
S-28/S-46	S EOS / N EOS	06/17/14	6:18 AM	6:23 AM	30	0	FAIL	DB		X	Seam Capped
S-24/S-49	S EOS / N EOS	06/17/14	6:35 AM	6:45 AM	30	30	PASS	DB		X	
S-23/S-49	S EOS / N EOS	06/17/14	6:37 AM	6:42 AM	30	30	PASS	DB		X	
S-22/S-49	S EOS N EOS	06/17/14	6:40 AM	6:45 AM	30	30	PASS	DB		X	
S-20/S-50	E EOS / W EOS	06/17/14	6:45 AM	6:50 AM	30	30	PASS	DB		X	
S-17/S-50	E EOS / W EOS	06/17/14	6:50 AM	6:55 AM	30	30	PASS	DB		X	
S-17/S-55	E EOS / W EOS	06/17/14	7:00 AM	7:05 AM	30	30	PASS	DB		X	
S-16/S-55	E EOS / W EOS	06/17/14	7:02 AM	7:07 AM	30	30	PASS	DB		X	
S-16/S-56	S EOS / N EOS	06/17/14	7:11 AM	7:11 AM	30	30	PASS	DB		X	
S-15/S-56	S EOS / N EOS	06/17/14	7:19 AM	7:24 AM	30	30	PASS	DB		X	
S-57/S-60	W EOS / E EOS	06/17/14	7:29 AM	7:34 AM	30	30	PASS	DB		X	
S-14/S-60	S EOS / D85	06/17/14	7:36 AM	7:41 AM	30	30	PASS	DB	X		
S-14/S-60	D85 / N EOS	06/17/14	-	-	0	0	FAIL	DB		X	Seam Capped
S-13/S-60	S EOS / N EOS	06/17/14	7:45 AM	7:50 AM	30	30	PASS	DB		X	

Acronyms:
EOS-End of Seam
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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-44/S-63	W EOS / D98	06/18/14	2:03 PM	2:08 PM	30	29	PASS	BM	X		
S-44/S-63	D98 / E EOS	06/18/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-45/S-63	W EOS / E EOS	06/18/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-43/S-63	W EOS / E EOS	06/18/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-12/S-63	W EOS / E EOS	06/18/14	2:03 PM	2:08 PM	30	30	PASS	BM		X	
S-60/S-63	S EOS / N EOS	06/18/14	2:08 PM	2:13 PM	30	30	PASS	BM		X	
S-60/S-62	N EOS / S EOS	06/18/14	2:11 PM	2:16 PM	30	30	PASS	BM		X	
S-58/S-61	E EOS / W EOS	06/18/14	2:13 PM	2:18 PM	30	27	PASS	BM		X	
S-59/S-61	S EOS / N EOS	06/18/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-62/S-63	W EOS / E EOS	06/18/14	2:15 PM	2:20 PM	30	27	PASS	BM		X	
S-62/S-64	W EOS / E EOS	06/18/14	2:22 PM	2:27 PM	30	30	PASS	BM		X	
S-63/S-64	S EOS / N EOS	06/18/14	2:22 PM	2:27 PM	30	30	PASS	BM		X	
S-61/S-62	W EOS / E EOS	06/18/14	2:27 PM	2:32 PM	30	30	PASS	BM		X	
S-61/S-65	W EOS / E EOS	06/18/14	2:28 PM	2:33 PM	30	30	PASS	BM		X	
S-65/S-67	W EOS E EOS	06/18/14	2:37 PM	2:42 PM	30	29	PASS	BM		X	
S-67/S-69	W EOS / E EOS	06/18/14	2:37 PM	2:42 PM	30	30	PASS	BM		X	
S-59/S-69	N EOS / S EOS	06/18/14	2:37 PM	2:42 PM	30	28	PASS	BM		X	
S-59/S-70	N EOS / S EOS	06/18/14	2:57 PM	3:02 PM	30	28	PASS	BM		X	
S-59/S-71	N EOS / S EOS	06/18/14	3:00 PM	3:05 PM	30	30	PASS	BM		X	
S-70/S-71	W EOS / D122	06/18/14	3:03 PM	3:08 PM	30	30	PASS	CS	X		
S-70/S-71	D122 / D123	06/18/14	3:03 PM	3:08 PM	30	30	PASS	CS	X		
S-70/S-71	D123 / D124	06/18/14	3:03 PM	3:08 PM	30	30	PASS	CS	X		
S-70/S-71	D124 / E EOS	06/27/14	11:55 AM	12:00 PM	30	28	PASS	BM		X	
S-59/S-72	N EOS / S EOS	06/18/14	3:15 PM	3:20 PM	30	27	PASS	CS		X	
S-71/S-72	W EOS / E EOS	06/18/14	3:16 PM	3:21 PM	30	30	PASS	CS		X	
S-69/S-70	W EOS / E EOS	06/18/14	3:17 PM	3:22 PM	30	30	PASS	CS		X	
S-43/S-64	E EOS / W EOS	06/19/14	9:38 AM	9:43 AM	30	29	PASS	BM		X	

Acronyms:
EOS-End of Seam
N, S, E, W-Cardinal Directions

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-42/S-64	W EOS / E EOS	06/19/14	9:38 AM	9:43 AM	30	30	PASS	BM		X	
S-41/S-62	W EOS / E EOS	06/19/14	9:42 AM	9:47 AM	30	30	PASS	BM		X	
S-40/S-62	W EOS / E EOS	06/19/14	9:48 AM	9:53 AM	30	30	PASS	BM		X	
S-65/S-66	W EOS / E EOS	06/19/14	9:51 AM	9:56 AM	30	30	PASS	BM		X	
S-66/S-67	W EOS / E EOS	06/19/14	9:51 AM	9:56 AM	30	30	PASS	BM		X	
S-59/S-79	N EOS / S EOS	06/19/14	3:40 AM	3:45 AM	30	28	PASS	CS		X	
S-67/S-68	W EOS / E EOS	06/19/14	10:00 AM	10:05 AM	30	30	PASS	BM		X	
S-68/S-69	W EOS / E EOS	06/19/14	10:00 AM	10:05 AM	30	30	PASS	BM		X	
S-72/S-74	W EOS / E EOS	06/19/14	10:12 AM	10:17 AM	30	30	PASS	DB		X	
S-72/S-73	W EOS / E EOS	06/19/14	10:12 AM	10:17 AM	30	30	PASS	DB		X	
S-73/S-74	W EOS / E EOS	06/19/14	10:12 AM	10:17 AM	30	30	PASS	DB		X	
S-75/S-77	W EOS / E EOS	06/19/14	10:39 AM	10:44 AM	30	30	PASS	DB		X	
S-75/S-76	W EOS / E EOS	06/19/14	10:39 AM	10:44 AM	30	30	PASS	DB		X	
S-76/S-77	W EOS / E EOS	06/19/14	10:39 AM	10:44 AM	30	30	PASS	DB		X	
S-74/S-75	W EOS / E EOS	06/19/14	10:48 AM	10:53 AM	30	30	PASS	DB		X	
S-59/S-74	S EOS / N EOS	06/19/14	10:50 AM	10:55 PM	30	30	PASS	DB		X	
S-59/S-75	S EOS / N EOS	06/19/14	-	-	0	0	FAIL	DB		X	Seam Capped
S-59/S-77	N EOS / S EOS	06/19/14	10:50 AM	10:55 AM	30	30	PASS	DB		X	
S-77/S-79	W EOS / D165	06/19/14	3:40 PM	3:45 PM	30	30	PASS	CS	X		
S-77/S-79	D165 / E EOS	06/19/14	3:56 PM	4:01 PM	30	30	PASS	CS		X	
S-79/S-80	W EOS / E EOS	06/19/14	3:45 PM	3:50 PM	30	30	PASS	CS		X	
S-59/S-80	N EOS / S EOS	06/19/14	3:45 PM	3:50 PM	30	30	PASS	CS		X	
S-59/S-82	N EOS / S EOS	06/19/14	3:59 PM	4:04 PM	30	30	PASS	CS		X	
S-80/S-82	W EOS / E EOS	06/19/14	3:59 PM	4:04 PM	30	30	PASS	CS		X	
S-59/S-84	N EOS / S EOS	06/19/14	4:02 PM	4:07 PM	30	30	PASS	CS		X	
S-82/S-84	W EOS / E EOS	06/19/14	4:02 PM	4:07 PM	30	30	PASS	CS		X	
S-84/S-85	W EOS / D150	06/19/14	4:05 PM	4:10 PM	30	30	PASS	CS	X		

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-84/S-85	D150 / E EOS	06/19/14	4:23 PM	4:28 PM	30	30	PASS	CS		X	
S-59/S-85	N EOS / S EOS	06/19/14	4:11 PM	4:16 PM	30	30	PASS	CS		X	
S-59/S-87	N EOS / S EOS	06/19/14	4:11 PM	4:16 PM	30	30	PASS	CS		X	
S-85/S-87	W EOS / E EOS	06/19/14	4:11 PM	4:16 PM	30	30	PASS	CS		X	
S-85/S-86	W EOS / E EOS	06/19/14	4:12 PM	4:17 PM	30	30	PASS	CS		X	
S-86/S-87	N EOS / S EOS	06/19/14	4:12 PM	4:17 PM	30	30	PASS	CS		X	
S-83/S-85	W EOS / E EOS	06/19/14	4:28 PM	4:33 PM	30	30	PASS	BM		X	
S-83/S-84	N EOS / S EOS	06/19/14	4:28 PM	4:33 PM	30	30	PASS	BM		X	
S-82/S-83	W EOS / E EOS	06/19/14	4:29 PM	4:34 PM	30	30	PASS	BM		X	
S-81/S-83	W EOS / E EOS	06/19/14	4:31 PM	4:36 PM	30	30	PASS	BM		X	
S-81/S-82	S EOS / N EOS	06/19/14	4:31 PM	4:36 PM	30	28	PASS	BM		X	
S-80/S-81	W EOS / E EOS	06/19/14	4:42 PM	4:47 PM	30	29	PASS	BM		X	
S-59/S-88	N EOS / S EOS	06/20/14	8:16 AM	8:21 AM	30	30	PASS	DB		X	
S-87/S-88	W EOS / E EOS	06/20/14	8:16 AM	8:21 AM	30	29	PASS	DB		X	
S-86/S-88	E EOS / W EOS	06/20/14	8:17 AM	8:22 AM	30	30	PASS	DB		X	
S-88/S-89	N EOS / S EOS	06/20/14	8:17 AM	8:22 AM	30	30	PASS	DB		X	
S-89/S-90	N EOS / S EOS	06/20/14	8:25 AM	8:30 AM	30	30	PASS	DB		X	
S-90/S-91	N EOS / S EOS	06/20/14	8:27 AM	8:32 AM	30	30	PASS	DB		X	
S-91/S-93	E EOS / W EOS	06/20/14	8:30 AM	8:35 AM	30	29	PASS	DB		X	
S-91/S-92	N EOS / S EOS	06/20/14	8:30 AM	8:35 AM	30	30	PASS	DB		X	
S-92/S-93	S EOS / N EOS	06/20/14	8:30 AM	8:35 AM	30	30	PASS	DB		X	
S-92/S-95	S EOS / N EOS	06/20/14	8:40 AM	8:45 AM	30	28	PASS	DB		X	
S-92/S-94	N EOS / S EOS	06/20/14	8:40 AM	8:45 AM	30	28	PASS	DB		X	
S-94/S-95	W EOS / E EOS	06/20/14	8:40 AM	8:45 AM	30	30	PASS	DB		X	
S-94/S-96	N EOS / S EOS	06/20/14	10:49 AM	10:54 AM	30	30	PASS	DB		X	
S-95/S-96	S EOS / N EOS	06/20/14	10:49 AM	10:54 AM	30	30	PASS	DB		X	
S-96/S-97	N EOS / S EOS	06/20/14	10:52 AM	10:57 AM	30	30	PASS	DB		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-97/S-99	N EOS / S EOS	06/20/14	10:53 AM	10:58 AM	30	30	PASS	DB		X	
S-98/S-99	W EOS / E EOS	06/20/14	10:59 AM	11:04 AM	30	30	PASS	DB		X	
S-98/S-100	S EOS / N EOS	06/20/14	11:08 AM	11:13 AM	30	28	PASS	DB		X	
S-99/S-100	N EOS / S EOS	06/20/14	11:08 AM	11:13 AM	30	30	PASS	DB		X	
S-78/S-80	W EOS / E EOS	06/20/14	11:19 AM	11:24 AM	30	29	PASS	DB		X	
S-78/S-79	S EOS / N EOS	06/20/14	11:19 AM	11:24 AM	30	29	PASS	DB		X	
S-77/S-78	W EOS / E EOS	06/20/14	11:19 AM	11:24 AM	30	30	PASS	DB		X	
S-102/S-103	N EOS / S EOS	06/20/14	3:45 PM	3:50 PM	30	30	PASS	DB		X	
S-100/S-102	N EOS / S EOS	06/20/14	3:45 PM	3:50 PM	30	30	PASS	DB		X	
S-100/S-101	S EOS / N EOS	06/20/14	3:45 PM	3:50 PM	30	30	PASS	DB		X	
S-103/S-104	N EOS / S EOS	06/20/14	3:46 PM	3:51 PM	30	30	PASS	DB		X	
S-104/S-105	S EOS / N EOS	06/20/14	3:52 PM	3:57 PM	30	30	PASS	DB		X	
S-101/S-103	S EOS / N EOS	06/20/14	4:00 PM	4:05 PM	30	30	PASS	DB		X	
S-101/S-102	E EOS / W EOS	06/20/14	4:00 PM	4:05 PM	30	30	PASS	DB		X	
S-106/S-107	S EOS / D183	06/21/14	10:45 AM	10:50 AM	30	30	PASS	CS	X		
S-106/S-107	D183 / N EOS	06/24/14	11:06 AM	11:11 AM	30	28	PASS	DB		X	
S-105/S-106	S EOS / D214	06/24/14	-	-	0	0	FAIL	BM	X		Seam Capped
S-105/S-106	D214 / N EOS	06/21/14	10:46 AM	10:51 AM	30	30	PASS	CS		X	
S-107/S-109	S EOS / N EOS	06/21/14	11:14 AM	11:19 AM	30	30	PASS	CS		X	
S-109/S-110	S EOS / N EOS	06/21/14	12:50 PM	12:55 PM	30	30	PASS	BM		X	
S-110/S-111	S EOS / N EOS	06/21/14	1:14 PM	1:19 PM	30	30	PASS	BM		X	
S-112/S-113	S EOS / N EOS	06/21/14	1:34 PM	1:39 PM	30	29	PASS	BM		X	
S-111/S-112	S EOS / N EOS	06/21/14	1:36 PM	1:41 PM	30	30	PASS	BM		X	
S-113/S-114	S EOS / N EOS	06/21/14	1:51 PM	1:56 PM	30	30	PASS	CS		X	
S-86/S-89	E EOS / W EOS	06/21/14	2:56 PM	3:01 PM	30	30	PASS	BM		X	
S-86/S-90	E EOS / W EOS	06/21/14	2:58 PM	3:03 PM	30	28	PASS	BM		X	
S-85/S-93	S EOS / N EOS	06/21/14	-	-	-	-	FAIL	BM		X	Seam Capped

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-85/S-91	E EOS / W EOS	06/21/14	3:10 PM	3:15 PM	30	30	PASS	BM		X	
S-85/S-90	E EOS / W EOS	06/21/14	2:58 PM	3:03 PM	30	30	PASS	BM		X	
S-83/S-93	W EOS / E EOS	06/21/14	3:16 PM	3:21 PM	30	28	PASS	BM		X	
S-83/S-92	E EOS / W EOS	06/21/14	3:17 PM	3:22 PM	30	30	PASS	BM		X	
S-81/S-92	E EOS / W EOS	06/21/14	3:17 PM	3:22 PM	30	30	PASS	BM		X	
S-81/S-95	E EOS / W EOS	06/21/14	3:22 PM	3:27 PM	30	30	PASS	BM		X	
S-80/S-95	W EOS / E EOS	06/21/14	3:26 PM	3:31 PM	30	30	PASS	BM		X	
S-78/S-96	W EOS / E EOS	06/21/14	3:53 PM	3:58 PM	30	28	PASS	BM		X	
S-80/S-96	E EOS / W EOS	06/21/14	3:56 PM	4:01 PM	30	28	PASS	BM		X	
S-78/S-97	E EOS / W EOS	06/21/14	4:02 PM	4:07 PM	30	30	PASS	BM		X	
S-77/S-97	W EOS / E EOS	06/21/14	4:02 PM	4:07 PM	30	30	PASS	BM		X	
S-77/S-98	E EOS / W EOS	06/21/14	-	-	30	0	FAIL	BM		X	Seam Capped
S-76/S-98	E EOS / D187	06/21/14	4:04 PM	4:09 PM	30	30	PASS	BM	X		
S-76/S-98	D187 / W EOS	06/21/14	4:15 PM	4:20 PM	30	28	PASS	BM		X	
S-75/S-100	W EOS / E EOS	06/21/14	4:15 PM	4:20 PM	30	30	PASS	BM		X	
S-75/S-101	E EOS / W EOS	06/21/14	-	-	30	0	FAIL	BM		X	Seam Capped
S-74/S-101	W EOS / E EOS	06/21/14	4:22 PM	4:27 PM	30	30	PASS	BM		X	
S-107/S-108	S EOS / N EOS	06/21/14	-	-	-	-	FAIL	BM		X	Seam Capped
S-121/S-122	E EOS / D252	06/23/14	11:38 AM	11:43 AM	30	30	PASS	DB	X		
S-121/S-122	D252 / W EOS	06/23/14	11:38 AM	11:43 AM	30	30	PASS	DB		X	
S-124/S-125	E EOS / W EOS	06/23/14	11:54 AM	11:59 AM	30	30	PASS	DB		X	
S-114/S-115	S EOS / N EOS	06/23/14	12:04 PM	12:09 PM	30	28	PASS	DB		X	
S-115/S-116	N EOS / S EOS	06/23/14	12:08 PM	12:13 PM	30	28	PASS	DB		X	
S-116/S-117	N EOS / S EOS	06/23/14	12:08 PM	12:13 PM	30	30	PASS	DB		X	
S-115/S-117	S EOS / N EOS	06/23/14	12:08 PM	12:13 PM	30	28	PASS	DB		X	
S-117/S-118	W EOS / E EOS	06/23/14	12:10 PM	12:15 PM	30	30	PASS	DB		X	
S-115/S-118	S EOS / N EOS	06/23/14	12:10 PM	12:15 PM	30	28	PASS	DB		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-118/S-119	W EOS / E EOS	06/23/14	12:12 PM	12:17 PM	30	30	PASS	DB		X	
S-114/S-119	S EOS / N EOS	06/23/14	12:12 PM	12:17 PM	30	28	PASS	DB		X	
S-119/S-120	W EOS / E EOS	06/23/14	1:21 PM	1:26 PM	30	30	PASS	BM		X	
S-113/S-120	N EOS S EOS	06/23/14	-	-	30	0	FAIL	BM		X	Seam Capped
S-114/S-120	S EOS / N EOS	06/23/14	1:21 PM	1:26 PM	30	30	PASS	BM		X	
S-113/S-121	S EOS / N EOS	06/24/14	8:30 AM	8:35 AM	30	30	PASS	CS		X	
S-120/S-121	W EOS / E EOS	06/24/14	8:30 AM	8:35 AM	30	30	PASS	CS		X	
S-112/S-122	N EOS / S EOS	06/24/14	8:35 AM	8:40 AM	30	30	PASS	CS		X	
S-122/S-123	E EOS / D253	06/24/14	8:52 AM	8:57 AM	30	30	PASS	CS	X		
S-122/S-123	D253 / W EOS	06/24/14	8:52 AM	8:57 AM	30	30	PASS	CS		X	
S-111/S-123	N EOS / S EOS	06/24/14	8:54 AM	8:59 AM	30	30	PASS	CS		X	
S-112/S-123	N EOS / S EOS	06/24/14	8:54 AM	8:59 AM	30	30	PASS	CS		X	
S-111/S-124	N EOS / S EOS	06/24/14	9:01 AM	9:06 AM	30	30	PASS	CS		X	
S-123/S-124	W EOS / D233	06/24/14	9:05 AM	9:10 AM	30	30	PASS	CS	X		
S-123/S-124	D233 / E EOS	06/24/14	9:06 AM	9:11 AM	30	30	PASS	CS		X	
S-110/S-125	N EOS / D236	06/24/14	9:16 AM	9:21 AM	30	30	PASS	CS	X		
S-110/S-125	D236 / S EOS	06/24/14	9:34 AM	9:39 AM	30	30	PASS	DB		X	
S-125/S-126	W EOS / E EOS	06/24/14	9:16 AM	9:21 AM	30	30	PASS	CS		X	
S-110/S-126	S EOS / N EOS	06/24/14	9:24 AM	9:29 AM	30	30	PASS	CS		X	
S-109/S-126	N EOS / S EOS	06/24/14	9:54 AM	9:59 AM	30	30	PASS	DB		X	
S-126/S-127	W EOS / E EOS	06/24/14	9:54 AM	9:59 AM	30	30	PASS	DB		X	
S-109/S-127	S EOS / E EOS	06/24/14	9:58 AM	10:30 AM	30	28	PASS	DB		X	
S-127/S-128	E EOS / W EOS	06/24/14	10:12 AM	10:17 AM	30	30	PASS	DB		X	
S-107/S-128	S EOS / D306	06/24/14	10:12 AM	10:17 AM	30	28	PASS	DB	X		
S-107/S-128	D306 / N EOS	06/24/14	10:40 AM	10:45 AM	30	28	PASS	DB		X	
S-128/S-129	E EOS / W EOS	06/24/14	10:13 AM	10:18 AM	30	30	PASS	DB		X	
S-129/S-130	W EOS / D232	06/24/14	10:28 AM	10:33 AM	30	30	PASS	DB	X		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-129/S-130	D232 / E EOS	06/24/14	10:36 AM	10:41 AM	30	30	PASS	DB		X	
S-106/S-108	W EOS / E EOS	06/24/14	11:00 AM	11:05 AM	30	30	PASS	DB		X	
S-105/S-108	S EOS / N EOS	06/24/14	11:01 AM	11:06 AM	30	30	PASS	DB		X	
S-1/S-131	E EOS / D255	06/26/14	8:39 AM	8:44 AM	30	28	PASS	BM	X		
S-1/S-131	D255 / D238	06/26/14	8:38 AM	8:43 AM	30	30	PASS	BM	X		
S-1/S-131	D238 / W EOS	06/26/14	8:07 AM	8:12 AM	30	29	PASS	BM		X	
S-131/S-132	E EOS / W EOS	06/26/14	8:09 AM	8:14 AM	30	30	PASS	BM		X	
S-132/S-133	E EOS / W EOS	06/26/14	8:11 AM	8:16 AM	30	30	PASS	BM		X	
S-133/S-134	E EOS / W EOS	06/26/14	8:12 AM	8:17 AM	30	30	PASS	BM		X	
S-134/S-136	E EOS / W EOS	06/26/14	8:13 AM	8:18 AM	30	30	PASS	BM		X	
S-136/S-137	E EOS / W EOS	06/26/14	8:14 AM	8:19 AM	30	30	PASS	BM		X	
S-137/S-138	E EOS / D257	06/26/14	8:46 AM	8:51 AM	30	29	PASS	BM	X		
S-137/S-138	D257 / D247	06/26/14	9:16 AM	9:21 AM	30	30	PASS	BM	X		
S-137/S-138	D247 / W EOS	06/26/14	9:25 AM	9:31 AM	30	30	PASS	BM		X	
S-135/S-136	E EOS / W EOS	06/26/14	9:02 AM	9:07 AM	30	30	PASS	BM		X	
S-134/S-135	E EOS / W EOS	06/26/14	10:52 AM	10:57 AM	30	29	PASS	BM		X	
S-138/S-139	W EOS / E EOS	06/26/14	2:03 PM	2:08 PM	30	30	PASS	BM		X	
S-139/S-140	W EOS / E EOS	06/26/14	2:10 PM	2:15 PM	30	30	PASS	BM		X	
S-140/S-141	W EOS / E EOS	06/26/14	2:18 PM	2:23 PM	30	30	PASS	BM		X	
S-141/S-142	W EOS / E EOS	06/26/14	3:05 PM	3:10 PM	30	30	PASS	BM		X	
S-142/S-143	W EOS / E EOS	06/26/14	3:50 PM	3:55 PM	30	30	PASS	BM		X	
S-143/S-144	W EOS / E EOS	06/26/14	3:58 PM	4:03 PM	30	30	PASS	BM		X	
S-138/S-140	W EOS / E EOS	06/26/14	4:08 PM	4:13 PM	30	30	PASS	BM		X	
S-144/S-145	W EOS / E EOS	06/26/14	4:32 PM	4:37 PM	30	30	PASS	BM		X	
S-130/S-146	E EOS / W EOS	06/27/14	8:31 AM	8:36 AM	30	30	PASS	BM		X	
S-146/S-147	E EOS / W EOS	06/27/14	8:34 AM	8:39 AM	30	30	PASS	BM		X	
S-147/S148	E EOS / D273	06/27/14	8:58 AM	9:03 AM	30	30	PASS	BM	X		

Acronyms:
EOS-End of Seam
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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-147/S-148	D273 / W EOS	06/27/14	9:07 AM	9:12 AM	30	30	PASS	BM		X	
S-148/S-149	E EOS / W EOS	06/27/14	9:02 AM	9:07 AM	30	30	PASS	BM		X	
S-149/S-150	E EOS / W EOS	06/27/14	9:35 AM	9:40 AM	30	30	PASS	BM		X	
S-105/S-152	W EOS / E EOS	06/27/14	11:39 AM	11:44 AM	30	28	PASS	BM		X	
S-152/S-153	S EOS / N EOS	06/27/14	11:39 AM	11:44 AM	30	30	PASS	BM		X	
S-104/S-153	W EOS / E EOS	06/27/14	11:40 AM	11:45 AM	30	30	PASS	BM		X	
S-153/S-154	S EOS / N EOS	06/27/14	11:40 AM	11:45 AM	30	30	PASS	BM		X	
S-154/S-155	E EOS / W EOS	06/27/14	11:54 AM	11:59 AM	30	28	PASS	BM		X	
S-153/S-155	S EOS / N EOS	06/27/14	11:54 AM	11:59 AM	30	30	PASS	BM		X	
S-151/S-152	S EOS / N EOS	06/27/14	12:10 PM	12:15 PM	30	30	PASS	BM		X	
S-130/S-151	S EOS / N EOS	06/27/14	12:17 PM	12:22 PM	30	30	PASS	BM		X	
S-146/S-160	N EOS / S EOS	06/27/14	12:26 PM	12:31 PM	30	28	PASS	BM		X	
S-72/S-154	S EOS / N EOS	06/27/14	12:52 PM	12:57 PM	30	28	PASS	BM		X	
S-73/S-154	N EOS / S EOS	06/27/14	12:52 PM	12:57 PM	30	28	PASS	BM		X	
S-74/S-154	S EOS N EOS	06/21/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-103/S-154	W EOS / E EOS	06/27/14	12:56 PM	1:01 PM	30	30	PASS	BM		X	
S-108/S-151	E EOS / W EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-71/S-154	N EOS / S EOS	06/27/14	1:04 PM	1:09 PM	30	28	PASS	BM		X	
S-70/S-154	S EOS / N EOS	06/27/14	1:10 PM	1:15 PM	30	28	PASS	BM		X	
S-70/S-162	S EOS / N EOS	06/27/14	1:29 PM	1:34 PM	30	29	PASS	BM		X	
S-69/S-162	S EOS / N EOS	06/27/14	1:29 PM	1:34 PM	30	28	PASS	BM		X	
S-154/S-162	N EOS / S EOS	06/27/14	1:29 PM	1:34 PM	30	30	PASS	BM		X	
S-155/S-162	S EOS / N EOS	06/27/14	1:29 PM	1:34 PM	30	28	PASS	BM		X	
S-68/S-159	S EOS / N EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-68/S-158	S EOS / N EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-68/S-163	S EOS / N EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-157/S-162	E EOS / W EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-148/S-161	E EOS / W EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-147/S-160	E EOS / W EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-129/S-151	E EOS / W EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-151/S-160	W EOS / E EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-152/S-160	N EOS / S EOS	06/27/14	1:55 PM	2:00 PM	30	28	PASS	BM		X	
S-160/S-161	W EOS / E EOS	06/27/14	1:55 PM	2:00 PM	30	30	PASS	BM		X	
S-152/S-161	S EOS / N EOS	06/27/14	1:55 PM	2:00 PM	30	30	PASS	BM		X	
S-156/S-161	E EOS / W EOS	06/27/14	1:57 PM	2:02 PM	30	30	PASS	BM		X	
S-148/S-156	S EOS / N EOS	06/27/14	1:57 PM	2:02 PM	30	30	PASS	BM		X	
S-147/S-161	N EOS / S EOS	06/27/14	2:07 PM	2:12 PM	30	29	PASS	BM		X	
S-152/S-156	S EOS / N EOS	06/27/14	2:12 PM	2:17 PM	30	30	PASS	BM		X	
S-149/S-156	S EOS / N EOS	06/27/14	2:15 PM	2:20 PM	30	29	PASS	BM		X	
S-150/S-156	S EOS / N EOS	06/27/14	2:17 PM	2:22 PM	30	30	PASS	BM		X	
S-108/S-129	S EOS / N EOS	06/27/14	2:30 PM	2:35 PM	30	30	PASS	AF		X	
S-107/S-129	N EOS / S EOS	06/27/14	2:44 PM	2:49 PM	30	30	PASS	AF		X	
S-67/S-159	S EOS / N EOS	06/27/14	3:01 PM	3:06 PM	30	28	PASS	AF		X	
S-158/S-159	S EOS / N EOS	06/27/14	3:03 PM	3:08 PM	30	28	PASS	AF		X	
S-158/S-163	E EOS / W EOS	06/27/14	3:03 PM	3:08 PM	30	30	PASS	AF		X	
S-108/S-152	S EOS / N EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-105/S-153	N EOS / S EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-103/S-153	N EOS / S EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-101/S-154	N EOS / S EOS	06/27/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-69/S-163	E EOS / W EOS	06/27/14	3:34 PM	3:39 PM	30	30	PASS	AF		X	
S-157/S-158	S EOS / N EOS	06/27/14	3:34 PM	3:39 PM	30	29	PASS	AF		X	
S-69/S-157	E EOS / W EOS	06/27/14	3:42 PM	3:47 PM	30	28	PASS	AF		X	
S-155/S-157	S EOS / N EOS	06/27/14	3:44 PM	3:49 PM	30	28	PASS	AF		X	
S-164/S-165	E EOS / W EOS	06/28/14	7:55 AM	8:00 AM	30	30	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-145/S-164	W EOS / D341	06/28/14	8:03 AM	8:08 AM	30	30	PASS	BM	X		
S-145/S-164	D341 / D342	06/28/14	11:35 AM	11:40 AM	30	28	PASS	BM	X		
S-145/S-164	D342 / E EOS	06/28/14	11:50 AM	11:50 AM	30	28	PASS	BM		X	
S-165/S-166	E EOS / W EOS	06/28/14	8:15 AM	8:20 AM	30	30	PASS	BM		X	
S-166/S-167	E EOS / W EOS	06/28/14	8:50 AM	8:55 AM	30	30	PASS	BM		X	
S-167/S-168	E EOS / W EOS	06/28/14	9:19 AM	9:24 AM	30	30	PASS	BM		X	
S-168/S-169	E EOS / W EOS	06/28/14	9:47 AM	9:52 AM	30	28	PASS	BM		X	
S-169/S-170	W EOS / D343	06/28/14	10:54 AM	10:59 AM	30	30	PASS	BM	X		
S-169/S-170	D343 / E EOS	06/28/14	11:52 AM	11:57 AM	30	30	PASS	BM		X	
S-170/S-171	E EOS / W EOS	06/28/14	11:23 AM	11:28 AM	30	30	PASS	BM		X	
S-171/S-172	W EOS / D345	06/30/14	8:53 AM	8:58 AM	30	29	PASS	AF	X		
S-171/S-172	D345 / E EOS	06/30/14	8:53 AM	8:58 AM	30	29	PASS	AF		X	
S-172/S-173	E EOS / W EOS	06/30/14	8:54 AM	8:59 AM	30	30	PASS	AF		X	
S-173/S-174	E EOS / W EOS	06/30/14	8:54 AM	9:00 AM	30	29	PASS	AF		X	
S-175/S-176	S EOS / N EOS	06/30/14	11:52 AM	11:57 AM	30	28	PASS	BM		X	
S-176/S-177	W EOS / E EOS	06/30/14	11:52 AM	11:57 AM	30	27	PASS	BM		X	
S-175/S-177	N EOS / S EOS	06/30/14	11:52 AM	11:57 AM	30	29	PASS	BM		X	
S-175/S-178	N EOS / S EOS	06/30/14	11:54 AM	11:59 AM	30	29	PASS	BM		X	
S-177/S-178	W EOS / E EOS	06/30/14	11:54 PM	11:59 AM	30	30	PASS	BM		X	
S-175/S-179	N EOS / S EOS	06/30/14	11:57 AM	12:02 PM	30	30	PASS	BM		X	
S-178/S-179	W EOS / E EOS	06/30/14	11:57 AM	12:02 PM	30	30	PASS	BM		X	
S-175/S-181	E EOS / W EOS	06/30/14	12:06 AM	12:11 PM	30	28	PASS	BM		X	
S-179/S-181	N EOS / S EOS	06/30/14	12:06 AM	12:11 PM	30	30	PASS	BM		X	
S-179/S-180	W EOS / E EOS	06/30/14	12:18 PM	12:13 PM	30	30	PASS	BM		X	
S-178/S-182	N EOS / S EOS	06/30/14	1:30 PM	1:35 PM	30	30	PASS	BM		X	
S-177/S-182	S EOS / N EOS	06/30/14	1:30 PM	1:35 PM	30	28	PASS	BM		X	
S-180/S-182	N EOS / S EOS	06/30/14	1:28 PM	1:33 PM	30	30	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-179/S-182	S EOS / N EOS	06/30/14	1:28 PM	1:33 PM	30	28	PASS	BM		X	
S-176/S-182	N EOS / S EOS	06/30/14	1:34 PM	1:39 PM	30	28	PASS	BM		X	
S-182/S-183	W EOS / E EOS	06/30/14	1:35 PM	1:40 PM	30	30	PASS	BM		X	
S-176/S-183	S EOS / N EOS	06/30/14	1:34 PM	1:39 PM	30	28	PASS	BM		X	
S-133/S-175	S EOS / N EOS	06/30/14	2:24 PM	2:29 PM	30	27	PASS	BM		X	
S-132/S-175	N EOS / S EOS	06/30/14	2:24 PM	2:29 PM	30	28	PASS	BM		X	
S-131/S-175	S EOS / N EOS	06/30/14	2:25 PM	2:30 PM	30	29	PASS	BM		X	
S-1/S-175	N EOS / S EOS	06/30/14	2:25 PM	2:30 PM	30	30	PASS	BM		X	
S-2/S-175	S EOS / N EOS	06/30/14	2:27 PM	2:32 PM	30	30	PASS	BM		X	
S-3/S-175	N EOS / S EOS	06/30/14	2:27 PM	2:32 PM	30	27	PASS	BM		X	
S-4/S-175	N EOS / D366	06/30/14	2:34 PM	2:39 PM	30	28	PASS	BM	X		
S-4/S-175	D366 / S EOS	06/30/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-5/S-175	S EOS / N EOS	06/30/14	3:43 PM	3:48 PM	30	30	PASS	BM		X	
S-6/S-175	N EOS / S EOS	06/30/14	3:43 PM	3:48 PM	30	30	PASS	BM		X	
S-9/S-175	S EOS / N EOS	06/30/14	3:46 PM	3:51 PM	30	30	PASS	BM		X	
S-10/S-175	N EOS / D375	06/30/14	3:46 PM	3:51 PM	30	30	PASS	BM	X		
S-10/S-175	D375 / S EOS	06/30/14	3:48 PM	3:53 PM	30	30	PASS	BM		X	
S-11/S-175	N EOS / S EOS	06/30/14	3:48 PM	3:53 PM	30	30	PASS	BM		X	
S-7/S-175	S EOS / N EOS	06/30/14	3:44 PM	3:49 PM	30	30	PASS	BM		X	
S-8/S-175	N EOS / D372	06/30/14	3:58 PM	4:03 PM	30	30	PASS	BM	X		
S-8/S-175	D372 / S EOS	06/30/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-61/S-175	S EOS / N EOS	06/30/14	4:08 PM	4:13 PM	30	30	PASS	BM		X	
S-61/S-181	N EOS / S EOS	06/30/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-65/S-181	N EOS / S EOS	06/30/14	4:08 PM	4:13 PM	30	29	PASS	BM		X	
S-65/S-180	S EOS / N EOS	06/30/14	4:09 PM	4:14 PM	30	30	PASS	BM		X	
S-66/S-180	N EOS / S EOS	06/30/14	4:09 PM	4:14 PM	30	29	PASS	BM		X	
S-67/S-180	E EOS / W EOS	06/30/14	4:10 PM	4:15 PM	30	30	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-159/S-182	W EOS / E EOS	06/30/14	4:10 PM	4:15 PM	30	30	PASS	BM		X	
S-158/S-182	W EOS / E EOS	06/30/14	4:12 PM	4:17 PM	30	30	PASS	BM		X	
S-183/S-184	S EOS / D451	07/02/14	7:19 AM	7:24 AM	30	28	PASS	DB	X		
S-183/S-184	D451 / N EOS	07/03/14	8:57 AM	9:02 AM	30	28	PASS	DB		X	
S-182/S-184	N EOS / S EOS	07/02/14	7:19 AM	7:24 AM	30	29	PASS	DB		X	
S-184/S-185	W EOS / E EOS	07/02/14	7:19 AM	7:24 AM	30	30	PASS	DB		X	
S-182/S-185	N EOS / S EOS	07/02/14	7:58 AM	8:03 AM	30	30	PASS	DB		X	
S-158/S-185	W EOS / E EOS	07/02/14	8:12 AM	8:17 AM	30	30	PASS	DB		X	
S-157/S-185	W EOS / E EOS	07/02/14	8:14 AM	8:19 AM	30	28	PASS	DB		X	
S-150/S-186	W EOS / D395	07/02/14	9:03 AM	9:08 AM	30	29	PASS	BM	X		
S-150/S-186	D395 / E EOS	07/02/14	9:04 AM	9:09 AM	30	30	PASS	BM		X	
S-186/S-187	W EOS / E EOS	07/02/14	9:14 AM	9:19 AM	30	30	PASS	BM		X	
S-187/S-188	W EOS / E EOS	07/02/14	9:25 AM	9:30 AM	30	30	PASS	BM		X	
S-188/S-189	W EOS / E EOS	07/02/14	10:07 AM	10:12 AM	30	30	PASS	BM		X	
S-189/S-190	W EOS / E EOS	07/02/14	10:27 AM	10:32 AM	30	30	PASS	BM		X	
S-190/S-191	W EOS / E EOS	07/02/14	11:05 AM	11:12 AM	30	30	PASS	BM		X	
S-191/S-192	W EOS / E EOS	07/02/14	11:44 AM	11:49 AM	30	29	PASS	BM		X	
S-192/S-193	W EOS / E EOS	07/02/14	12:10 PM	12:15 PM	30	30	PASS	BM		X	
S-156/S-194	W EOS / E EOS	07/02/14	2:25 PM	2:30 PM	30	29	PASS	BM		X	
S-152/S-194	E EOS / W EOS	07/02/14	2:26 PM	2:31 PM	30	28	PASS	BM		X	
S-153/S-194	W EOS / E EOS	07/02/14	2:29 PM	2:34 PM	30	30	PASS	BM		X	
S-155/S-194	E EOS / W EOS	07/02/14	2:30 PM	2:35 PM	30	30	PASS	BM		X	
S-157/S-194	E EOS / W EOS	07/02/14	2:31 PM	2:36 PM	30	28	PASS	BM		X	
S-185/S-194	N EOS / S EOS	07/02/14	2:47 PM	2:52 PM	30	29	PASS	BM		X	
S-185/S-195	N EOS / S EOS	07/02/14	2:46 PM	2:51 PM	30	30	PASS	BM		X	
S-186/S-194	N EOS / S EOS	07/02/14	2:57 PM	3:02 PM	30	30	PASS	BM		X	
S-194/S-195	E EOS / W EOS	07/02/14	2:58 PM	3:03 PM	30	30	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-187/S-195	S EOS / N EOS	07/02/14	2:59 PM	3:04 PM	30	28	PASS	BM		X	
S-174/S-196	E EOS / W EOS	07/02/14	4:06 PM	4:11 PM	30	30	PASS	BM		X	
S-196/S-197	E EOS / W EOS	07/02/14	4:44 PM	4:49 PM	30	30	PASS	BM		X	
S-197/S-198	E EOS / W EOS	07/02/14	5:12 PM	5:17 PM	30	30	PASS	BM		X	
S-198/S-199	E EOS / W EOS	07/02/14	5:53 PM	5:58 PM	30	30	PASS	BM		X	
S-200/S-201	S EOS / N EOS	07/03/14	8:48 AM	8:53 AM	30	30	PASS	DB		X	
S-183/S-201	N EOS / S EOS	07/03/14	8:48 AM	8:53 AM	30	30	PASS	DB		X	
S-183/S-202	W EOS / E EOS	07/03/14	8:48 AM	8:53 AM	30	30	PASS	DB		X	
S-201/S-202	S EOS / N EOS	07/03/14	8:48 AM	8:53 AM	30	30	PASS	DB		X	
S-183/S-203	S EOS / N EOS	07/03/14	9:08 AM	9:13 AM	30	30	PASS	DB		X	
S-184/S-203	W EOS / E EOS	07/03/14	8:57 AM	9:02 AM	30	30	PASS	DB		X	
S-202/S-203	S EOS / N EOS	07/03/14	8:57 AM	9:02 AM	30	30	PASS	DB		X	
S-203/S-204	W EOS / E EOS	07/03/14	9:00 AM	9:05 AM	30	30	PASS	DB		X	
S-202/S-204	S EOS / N EOS	07/03/14	9:04 AM	9:09 AM	30	30	PASS	DB		X	
S-167/S-204	S EOS / N EOS	07/03/14	10:01 AM	10:06 AM	30	30	PASS	BM		X	
S-166/S-204	N EOS / D446	07/03/14	-	-	30	0	FAIL	BM	X		Seam Capped
S-166/S-204	D446 / S EOS	07/03/14	10:01 AM	10:06 AM	30	30	PASS	BM		X	
S-165/S-204	S EOS / N EOS	07/03/14	10:02 AM	10:07 AM	30	30	PASS	BM		X	
S-164/S-204	N EOS / S EOS	07/03/14	-	-	30	0	FAIL	BM		X	Seam Capped
S-164/S-202	N EOS / S EOS	07/03/14	10:02 AM	10:07 AM	30	30	PASS	BM		X	
S-145/S-202	S EOS / N EOS	07/03/14	10:03 AM	10:08 AM	30	30	PASS	BM		X	
S-144/S-202	N EOS / S EOS	07/03/14	10:03 AM	10:08 AM	30	28	PASS	RM		X	
S-144/S-201	N EOS / S EOS	07/03/14	-	-	30	0	FAIL	RM		X	Seam Capped
S-143/S-201	S EOS / N EOS	07/03/14	10:04 AM	10:09 AM	30	30	PASS	RM		X	
S-142/S-201	N EOS / S EOS	07/03/14	10:12 AM	10:17 AM	30	29	PASS	RM		X	
S-141/S-201	S EOS / N EOS	07/03/14	10:16 AM	10:21 AM	30	30	PASS	RM		X	
S-141/S-200	N EOS / S EOS	07/03/14	-	-	30	0	FAIL	RM		X	Seam Capped

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-140/S-200	S EOS / N EOS	07/03/14	10:27 AM	10:32 AM	30	30	PASS	RM		X	
S-137/S-200	N EOS / S EOS	07/03/14	10:27 AM	10:32 AM	30	30	PASS	RM		X	
S-136/S-200	S EOS / N EOS	07/03/14	10:28 AM	10:33 AM	30	30	PASS	RM		X	
S-175/S-200	W EOS / E EOS	07/03/14	10:28 AM	10:33 AM	30	30	PASS	RM		X	
S-176/S-201	W EOS / E EOS	07/03/14	10:30 AM	10:35 AM	30	28	PASS	RM		X	
S-193/S-205	E EOS / D457	07/10/14	9:54 AM	9:59 AM	30	30	PASS	BM	X		
S-193/S-205	D457 / D500	07/10/14	9:55 AM	10:00 AM	30	30	PASS	BM	X		
S-193/S-205	D500 / W EOS	07/24/14	9:55 AM	10:00 AM	30	28	PASS	BM		X	
S-205/S-206	E EOS / D506	07/10/14	10:20 AM	10:25 AM	30	30	PASS	CS	X		
S-205/S-206	D506 / W EOS	07/24/14	10:09 AM	10:14 AM	30	28	PASS	BM		X	
S-206/S-207	E EOS / D508	07/10/14	10:35 AM	10:40 AM	30	30	PASS	AF	X		
S-206/S-207	D508 / W EOS	07/24/14	10:41 AM	10:46 AM	30	30	PASS	BM		X	
S-207/S-208	E EOS / D517	07/10/14	11:16 AM	11:21 AM	30	30	PASS	CS	X		
S-207/S-208	D517 / W EOS	07/24/14	11:43 AM	11:48 AM	30	30	PASS	BM		X	
S-208/S-209	E EOS / D518	07/10/14	11:40 AM	11:45 AM	30	30	PASS	BM	X		
S-208/S-209	D518 / W EOS	07/24/14	11:44 AM	11:49 AM	30	30	PASS	BM		X	
S-209/S-210	E EOS / D460	07/10/14	2:25 PM	2:30 PM	30	28	PASS	AF	X		
S-209/S-210	D460 / D519	07/10/14	2:12 PM	2:17 PM	30	28	PASS	AF	X		
S-209/S-210	D519 / W EOS	07/24/14	11:45 AM	11:50 AM	30	30	PASS	BM		X	
S-210/S-211	E EOS / D462	07/10/14	2:21 PM	2:26 PM	30	30	PASS	AF	X		
S-210/S-211	D462 / D520	07/10/14	2:20 PM	2:25 PM	30	30	PASS	AF	X		
S-210/S-211	D520 / W EOS	07/24/14	11:49 AM	11:54 AM	30	30	PASS	BM		X	
S-211/S-212	E EOS / D521	07/10/14	2:22 PM	2:27 PM	30	30	PASS	AF	X		
S-211/S-212	D521 / W EOS	07/24/14	12:04 PM	12:09 PM	30	29	PASS	BM		X	
S-212/S-213	E EOS / D522	07/11/14	9:26 AM	9:31 AM	30	30	PASS	CS	X		
S-212/S-213	D522 / W EOS	07/24/14	2:19 PM	2:24 PM	30	30	PASS	BM		X	
S-213/S-214	E EOS / D523	07/11/14	9:27 AM	9:32 AM	30	30	PASS	CS	X		

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-213/S-214	D523 / W EOS	07/24/14	2:07 PM	2:12 PM	30	28	PASS	BM		X	
S-214/S-215	E EOS / D524	07/11/14	9:44 AM	9:49 AM	30	30	PASS	DB	X		
S-214/S-215	D524 / W EOS	07/24/14	2:08 PM	2:13 PM	30	29	PASS	BM		X	
S-215/S-216	E EOS / D525	07/11/14	10:02 AM	10:07 AM	30	30	PASS	DB	X		
S-215/S-216	D525 / W EOS	07/24/14	2:54 PM	2:59 PM	30	30	PASS	BM		X	
S-216/S-217	E EOS / D526	07/11/14	10:17 AM	10:22 AM	30	30	PASS	CS	X		
S-216/S-217	D526 / W EOS	07/24/14	2:55 PM	3:00 PM	30	28	PASS	BM		X	
S-217/S-218	E EOS / D527	07/11/14	11:09 AM	11:14 AM	30	30	PASS	DB	X		
S-217/S-218	D527 / W EOS	07/24/14	2:56 PM	3:01 PM	30	30	PASS	BM		X	
S-218/S-219	E EOS / D528	07/11/14	11:47 AM	11:52 AM	30	30	PASS	CS	X		
S-218/S-219	D528 / W EOS	07/24/14	3:08 PM	3:13 PM	30	30	PASS	BM		X	
S-195/S-220	E EOS / W EOS	07/22/14	11:40 AM	11:45 AM	30	30	PASS	BM		X	
S-220/S-221	E EOS / W EOS	07/22/14	11:43 AM	11:48 AM	30	30	PASS	BM		X	
S-221/S-222	E EOS / W EOS	07/22/14	11:50 AM	11:55 AM	30	28	PASS	BM		X	
S-221/S-223	E EOS / W EOS	07/22/14	11:53 AM	11:58 AM	30	29	PASS	BM		X	
S-222/S-223	S EOS / N EOS	07/22/14	11:54 AM	11:59 AM	30	30	PASS	BM		X	
S-222/S-224	E EOS / W EOS	07/22/14	12:10 PM	12:15 PM	30	30	PASS	BM		X	
S-223/S-224	E EOS / W EOS	07/22/14	12:17 PM	12:22 PM	30	30	PASS	BM		X	
S-185/S-224	N EOS / S EOS	07/22/14	1:27 PM	1:32 PM	30	29	PASS	BM		X	
S-185/S-221	N EOS / S EOS	07/22/14	1:38 PM	1:43 PM	30	29	PASS	BM		X	
S-185/S-220	N EOS / S EOS	07/22/14	1:40 PM	1:45 PM	30	28	PASS	BM		X	
S-185/S-223	S EOS / N EOS	07/22/14	1:50 PM	1:55 PM	30	29	PASS	BM		X	
S-188/S-220	N EOS / S EOS	07/22/14	2:01 PM	2:06 PM	30	30	PASS	BM		X	
S-189/S-221	S EOS / N EOS	07/22/14	2:02 PM	2:07 PM	30	29	PASS	BM		X	
S-190/S-222	N EOS / S EOS	07/22/14	2:09 PM	2:14 PM	30	30	PASS	BM		X	
S-191/S-224	S EOS / N EOS	07/22/14	2:13 PM	2:18 PM	30	30	PASS	BM		X	
S-224/S-225	E EOS / W EOS	07/24/14	9:34 AM	9:38 AM	30	28	PASS	BM		X	

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-225/S-226	E EOS / W EOS	07/24/14	9:35 AM	9:40 AM	30	30	PASS	BM		X	
S-192/S-225	S EOS / N EOS	07/24/14	9:44 AM	9:49 AM	30	28	PASS	BM		X	
S-193/S-226	S EOS / N EOS	07/24/14	9:47 AM	9:52 AM	30	28	PASS	BM		X	
S-205/S-227	N EOS / S EOS	07/24/14	10:09 AM	10:14 AM	30	30	PASS	BM		X	
S-226/S-227	E EOS / W EOS	07/24/14	10:11 AM	10:16 AM	30	30	PASS	BM		X	
S-205/S-226	E EOS / W EOS	07/24/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-206/S-228	S EOS / N EOS	07/24/14	10:15 AM	10:20 AM	30	30	PASS	BM		X	
S-227/S-228	E EOS / W EOS	07/24/14	10:39 AM	10:44 AM	30	30	PASS	BM		X	
S-207/S-229	S EOS / N EOS	07/24/14	10:41 AM	10:46 AM	30	30	PASS	BM		X	
S-228/S-229	W EOS / E EOS	07/24/14	10:55 AM	11:00 AM	30	30	PASS	BM		X	
S-229/S-230	S EOS / N EOS	07/24/14	11:02 AM	11:07 AM	30	30	PASS	BM		X	
S-228/S-230	E EOS / W EOS	07/24/14	11:01 AM	11:06 AM	30	30	PASS	BM		X	
S-230/S-231	S EOS / N EOS	07/24/14	11:05 AM	11:10 AM	30	30	PASS	BM		X	
S-228/S-231	E EOS / W EOS	07/24/14	11:05 AM	11:10 AM	30	29	PASS	BM		X	
S-185/S-231	E EOS / W EOS	07/24/14	11:28 AM	11:33 AM	30	30	PASS	BM		X	
S-185/S-228	N EOS / S EOS	07/24/14	11:28 AM	11:33 AM	30	30	PASS	BM		X	
S-185/S-227	S EOS / N EOS	07/24/14	11:29 AM	11:34 AM	30	30	PASS	BM		X	
S-185/S-226	N EOS / S EOS	07/24/14	11:29 AM	11:34 AM	30	30	PASS	BM		X	
S-185/S-225	N EOS / S EOS	07/24/14	11:30 AM	11:35 AM	30	30	PASS	BM		X	
S-229/S-232	E EOS / W EOS	07/24/14	2:13 PM	2:18 PM	30	28	PASS	BM		X	
S-208/S-232	N EOS / S EOS	07/24/14	2:11 PM	2:16 PM	30	30	PASS	BM		X	
S-232/S-233	E EOS / W EOS	07/24/14	2:11 PM	2:16 PM	30	29	PASS	BM		X	
S-209/S-233	S EOS / N EOS	07/24/14	2:11 PM	2:16 PM	30	28	PASS	BM		X	
S-199/S-234	W EOS / D538	07/26/14	11:58 AM	12:03 PM	30	30	PASS	BM	X		
S-199/S-234	D538 / E EOS	07/26/14	12:32 PM	12:37 PM	30	30	PASS	BM		X	
S-234/S-235	W EOS / D540	07/26/14	12:05 PM	12:10 PM	30	28	PASS	BM	X		
S-234/S-235	D540 / E EOS	07/26/14	12:25 PM	12:30 PM	30	28	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-234/S-236	E EOS / W EOS	07/26/14	12:05 PM	12:10 PM	30	29	PASS	BM		X	
S-235/S-236	W EOS / E EOS	07/26/14	12:17 PM	12:22 PM	30	30	PASS	BM		X	
S-236/S-237	W EOS / D541	07/26/14	12:52 PM	12:57 PM	30	30	PASS	BM	X		
S-236/S-237	D541 / E EOS	07/26/14	12:58 PM	1:03 PM	30	28	PASS	BM		X	
S-237/S-238	W EOS / D544	07/26/14	1:30 PM	1:35 PM	30	29	PASS	BM	X		
S-237/S-238	D544 / E EOS	07/26/14	3:26 PM	3:31 PM	30	30	PASS	BM		X	
S-236/S-239	W EOS / E EOS	07/26/14	1:54 PM	1:59 PM	30	29	PASS	BM		X	
S-235/S-239	S EOS / N EOS	07/26/14	1:47 PM	1:52 PM	30	30	PASS	BM		X	
S-234/S-239	N EOS / S EOS	07/26/14	1:47 PM	1:52 PM	30	28	PASS	BM		X	
S-199/S-239	W EOS / E EOS	07/26/14	1:54 PM	1:59 PM	30	30	PASS	BM		X	
S-238/S-240	W EOS / E EOS	07/27/14	9:49 AM	9:54 AM	30	30	PASS	BM		X	
S-240/S-241	W EOS / E EOS	07/27/14	9:50 AM	9:55 AM	30	30	PASS	BM		X	
S-241/S-242	W EOS / E EOS	07/27/14	10:14 AM	10:19 AM	30	30	PASS	BM		X	
S-242/S-243	W EOS / E EOS	07/27/14	11:44 AM	11:49 AM	30	30	PASS	BM		X	
S-219/S-244	E EOS / D560	07/27/14	2:18 PM	2:23 PM	30	30	PASS	BM	X		
S-219/S-244	D560 / D556	07/27/14	2:50 PM	2:55 PM	30	30	PASS	BM	X		
S-219/S-244	D556 / D640	08/13/14	3:53 PM	3:58 PM	30	28	PASS	BM	X		
S-219/S-244	D640 / W EOS	08/13/14	3:53 PM	3:58 PM	30	30	PASS	BM		X	
S-244/S-245	E EOS / D557	07/27/14	2:23 PM	2:28 PM	30	30	PASS	BM	X		
S-244/S-245	D557 / D641	08/13/14	3:54 PM	3:59 PM	30	29	PASS	BM	X		
S-244/S-245	D641 / W EOS	08/20/14	8:18 AM	8:23 AM	30	30	PASS	AF		X	
S-245/S-246	E EOS / D559	07/27/14	2:52 PM	2:57 PM	30	29	PASS	BM	X		
S-245/S-246	D559 / D642	08/13/14	3:55 PM	4:00 PM	30	30	PASS	BM	X		
S-245/S-246	D642 / W EOS	08/20/14	8:20 AM	8:25 AM	30	30	PASS	AF		X	
S-246/S-247	E EOS / D561	07/27/14	3:00 PM	3:05 PM	30	30	PASS	BM	X		
S-246/S-247	D561 / D643	08/13/14	3:56 PM	4:01 PM	30	28	PASS	BM	X		
S-246/S-247	D643 / W EOS	08/13/14	3:56 PM	4:01 PM	30	27	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-243/S-248	W EOS / D589	08/09/14	-	-	0	0	FAIL	BM	X		Seam Capped
S-243/S-248	D589 / E EOS	08/09/14	11:11 AM	11:16 AM	30	30	PASS	BM		X	
S-248/S-249	W EOS / E EOS	08/09/14	11:12 AM	11:17 AM	30	30	PASS	BM		X	Includes 248A/249A
S-249/S-250	W EOS / E EOS	08/09/14	11:15 AM	11:20 AM	30	30	PASS	BM		X	Includes 249A/250A
S-250/S-251	W EOS / E EOS	08/09/14	11:50 AM	11:55 AM	30	30	PASS	BM		X	Includes 250A/251A
S-251/S-252	W EOS / E EOS	08/09/14	12:05 PM	12:10 PM	30	30	PASS	BM		X	Includes 251A/252A
S-252/S-253	W EOS / E EOS	08/09/14	2:51 PM	2:56 PM	30	30	PASS	BM		X	Includes 252A/253A
S-253/S-254	W EOS / E EOS	08/09/14	2:51 PM	2:56 PM	30	30	PASS	BM		X	Includes 253A/254A
S-254/S-255	W EOS / E EOS	08/09/14	2:52 PM	2:57 PM	30	30	PASS	BM		X	Includes 254A/255A
S-255/S-256	W EOS / E EOS	08/09/14	2:52 PM	2:57 PM	30	30	PASS	BM		X	Includes 255A/256
S-256/S-257	W EOS / E EOS	08/09/14	3:08 PM	3:13 PM	30	30	PASS	BM		X	
S-257/S-258	N EOS / S EOS	08/09/14	3:27 PM	3:32 PM	30	30	PASS	BM		X	
S-258/S-259	N EOS / S EOS	08/09/14	3:27 PM	3:32 PM	30	30	PASS	BM		X	
S-259/S-260	N EOS / S EOS	08/09/14	3:29 PM	3:34 PM	30	28	PASS	BM		X	
S-257/S259	N EOS / S EOS	08/09/14	3:30 PM	3:35 PM	30	29	PASS	BM		X	
S256/S-259	S EOS / N EOS	08/09/14	3:37 PM	3:42 PM	30	30	PASS	BM		X	
S-256/S-260	N EOS / S EOS	08/09/14	3:37 PM	3:42 PM	30	30	PASS	BM		X	
S-260/S-261	N EOS / S EOS	08/09/14	3:39 PM	3:44 PM	30	30	PASS	BM		X	
S-255A/S-261	N EOS / S EOS	08/09/14	3:44 PM	3:49 PM	30	28	PASS	BM		X	
S-261/S-263	N EOS / S EOS	08/09/14	4:33 PM	4:38 PM	30	28	PASS	BM		X	
S-262/S263	W EOS / E EOS	08/09/14	4:33 PM	4:38 PM	30	28	PASS	BM		X	
S-261/S-262	S EOS / N EOS	08/09/14	4:39 PM	4:44 PM	30	30	PASS	BM		X	
S-255A/S-263	N EOS / S EOS	08/09/14	4:39 PM	4:44 PM	30	30	PASS	BM		X	
S-254A/S-263	N EOS / D602	08/10/14	8:43 AM	8:48 AM	30	30	PASS	BM	X		
S-254A/S-263	D602 / S EOS	08/10/14	9:20 AM	9:25 AM	30	29	PASS	BM		X	
S-263/S-264	S EOS / N EOS	08/10/14	11:05 AM	11:10 AM	30	30	PASS	BM		X	
S-262/S-264	S EOS / N EOS	08/10/14	11:07 AM	11:12 AM	30	30	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-254A/S-264	N EOS / S EOS	08/10/14	11:14 AM	11:19 AM	30	29	PASS	BM		X	
S-253A/S-264	N EOS / S EOS	08/10/14	11:14 AM	11:19 AM	30	28	PASS	BM		X	
S-253A/S-265	N EOS / S EOS	08/10/14	11:15 AM	11:20 AM	30	30	PASS	BM		X	
S-264/S-265	S EOS / N EOS	08/10/14	11:15 AM	11:20 AM	30	30	PASS	BM		X	
S-252A/S-267	N EOS / S EOS	08/10/14	11:16 AM	11:21 AM	30	29	PASS	BM		X	
S-265/S-267	N EOS / S EOS	08/10/14	11:17 AM	11:22 AM	30	29	PASS	BM		X	
S-265/S-266	S EOS / N EOS	08/10/14	11:17 AM	11:22 AM	30	30	PASS	BM		X	
S-266/S-267	W EOS / E EOS	08/10/14	11:17 AM	11:22 AM	30	28	PASS	BM		X	
S-267/S-268	N EOS / S EOS	08/10/14	11:34 AM	11:39 AM	30	30	PASS	BM		X	
S-268/S-269	E EOS / W EOS	08/10/14	11:43 AM	11:48 AM	30	30	PASS	BM		X	
S-266/S-268	S EOS / N EOS	08/10/14	11:53 AM	11:58 AM	30	30	PASS	BM		X	
S-252A/S-269	S EOS / N EOS	08/10/14	11:58 AM	12:03 PM	30	30	PASS	BM		X	
S-272/S-273	W EOS / D628	08/10/14	2:48 PM	2:53 PM	30	30	PASS	BM	X		
S-272/S-273	D628 / D630	08/10/14	3:24 PM	3:29 PM	30	30	PASS	BM	X		
S-272/S-273	D630 / D631	08/10/14	11:23 AM	11:28 AM	30	30	PASS	BM	X		
S-272/S-273	D631 / D625	08/10/14	11:23 AM	11:28 AM	30	29	PASS	BM	X		
S-272/S-273	D625 / E EOS	08/10/14	11:39 AM	11:44 AM	30	30	PASS	BM		X	
S-273/S-275	N EOS / D629	08/10/14	11:05 AM	11:10 AM	30	30	PASS	BM	X		
S-273/S-275	D629 / S EOS	08/10/14	11:05 AM	11:10 AM	30	30	PASS	BM		X	
S-272/S-274	N EOS / S EOS	08/10/14	11:39 AM	11:44 AM	30	29	PASS	BM		X	
S-273/S-274	W EOS / E EOS	08/10/14	11:40 AM	11:45 AM	30	30	PASS	BM		X	
S-250A/S-272	S EOS / N EOS	08/10/14	11:48 AM	11:53 AM	30	30	PASS	BM		X	
S-249A/S-274	S EOS / N EOS	08/10/14	12:05 PM	12:10 PM	30	30	PASS	BM		X	
S-249A/S-275	N EOS / S EOS	08/10/14	12:05 PM	12:10 PM	30	29	PASS	BM		X	
S-274/S-275	S EOS / N EOS	08/10/14	1:18 PM	1:23 PM	30	30	PASS	BM		X	
S-248A/S-275	N EOS / S EOS	08/10/14	1:24 PM	1:29 PM	30	30	PASS	BM		X	
S-251A/S-269	N EOS / S EOS	08/10/14	11:58 AM	12:03 PM	30	30	PASS	BM		X	

Acronyms:
EOS-End of Seam
N, S, E, W-Cardinal Directions

Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-269/S-270	N EOS / D616	08/10/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-269/S-270	D616 / S EOS	08/10/14	12:08 PM	12:13 PM	30	30	PASS	BM	X		
S-251A/S-270	N EOS / S EOS	08/10/14	12:10 PM	12:15 PM	30	30	PASS	BM		X	
S-268/S-270	N EOS / D617	08/10/14	12:14 PM	12:19 PM	30	30	PASS	BM	X		
S-268/S-270	D617 / S EOS	08/10/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-250A/S-270	N EOS / S EOS	08/10/14	1:10 PM	1:15 PM	30	30	PASS	BM		X	
S-270/S-271	S EOS / N EOS	08/10/14	2:14 PM	2:19 PM	30	30	PASS	BM		X	
S-270/S-272	N EOS / S EOS	08/10/14	2:14 PM	2:19 PM	30	30	PASS	BM		X	
S-271/S-272	W EOS / E EOS	08/10/14	2:23 PM	2:28 PM	30	30	PASS	BM		X	
S-271/S-273	N EOS / S EOS	08/10/14	2:48 PM	2:53 PM	30	30	PASS	BM		X	
S-247/S-276	E EOS / D646	08/13/14	3:58 PM	4:03 PM	30	29	PASS	BM	X		
S-247/S-276	D646 / W EOS	08/20/14	8:24 AM	8:29 AM	30	30	PASS	AF		X	
S-276/S-277	E EOS / D647	08/13/14	6:08 PM	6:13 PM	30	30	PASS	BM	X		
S-276/S-277	D647 / W EOS	08/21/14	2:55 PM	3:00 PM	30	29	PASS	BM		X	
S-277/S-278	E EOS / D655	08/13/14	6:09 PM	6:14 PM	30	27	PASS	BM	X		
S-277/S-278	D655 / W EOS	08/13/14	6:08 PM	6:13 PM	30	29	PASS	BM		X	
S-278/S-279	E EOS / D649	08/13/14	6:10 PM	6:15 PM	30	28	PASS	BM	X		
S-278/S-279	D649 / W EOS	08/21/14	3:01 PM	3:06 PM	30	30	PASS	BM		X	
S-279/S-280	E EOS / D650	08/13/14	6:10 PM	6:15 PM	30	28	PASS	BM	X		
S-279/S-280	D650 / W EOS	08/21/14	3:10 PM	3:15 PM	30	30	PASS	BM		X	
S-280/S-281	E EOS / D651	08/13/14	6:11 PM	6:16 PM	30	30	PASS	BM	X		
S-280/S-281	D651 / W EOS	08/21/14	3:21 PM	3:26 PM	30	30	PASS	BM		X	
S-281/S-282	E EOS / D652	08/13/14	6:14 PM	6:19 PM	30	28	PASS	BM	X		
S-281/S-282	D652 / W EOS	08/21/14	2:58 PM	3:03 PM	30	30	PASS	BM		X	
S-282/S-283	E EOS / D656	08/13/14	6:57 PM	7:03 PM	30	30	PASS	BM	X		
S-282/S-283	D656 / W EOS	08/21/14	3:39 PM	3:44 PM	30	30	PASS	BM		X	
S-283/S-284	E EOS / D667	06/14/14	1:53 PM	1:58 PM	30	29	PASS	BM	X		

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-283/S-284	D667 / W EOS	08/21/14	3:49 PM	3:54 PM	30	30	PASS	BM		X	
S-284/S-285	E EOS / D668	06/14/14	3:53 PM	1:58 PM	30	29	PASS	BM	X		
S-284/S-285	D668 / W EOS	08/22/14	8:47 AM	8:52 AM	30	30	PASS	BM		X	
S-285/S-286	E EOS / D669	06/14/14	1:54 PM	1:59 PM	30	30	PASS	BM	X		
S-285/S-286	D669 / W EOS	08/22/14	8:48 AM	8:53 AM	30	30	PASS	BM		X	
S-286/S-287	E EOS / D670	06/14/14	1:54 PM	1:59 PM	30	30	PASS	BM	X		
S-286/S-287	D670 / W EOS	08/22/14	8:58 AM	9:03 AM	30	29	PASS	BM		X	
S-287/S-288	E EOS / D671	06/14/14	1:58 PM	1:03 PM	30	30	PASS	BM	X		
S-287/S-288	D671 / W EOS	08/22/14	8:58 AM	9:03 AM	30	30	PASS	BM		X	
S-300/S-301	E EOS / D688	08/15/14	8:05 AM	8:10 AM	30	28	PASS	BM	X		
S-300/S-301	D688 / D966	08/15/14	8:08 AM	8:13 AM	30	30	PASS	BM	X		
S-300/S-301	D966 / W EOS	08/28/14	4:25 PM	4:30 PM	30	30	PASS	BM		X	
S-299/S-300	E EOS / D685	08/15/14	8:05 AM	8:10 AM	30	30	PASS	BM	X		
S-299/S-300	D685 / W EOS	08/24/14	9:50 AM	9:50 AM	30	30	PASS	AT		X	
S-298/S-299	E EOS / D684	08/15/14	8:05 AM	8:10 AM	30	30	PASS	BM	X		
S-298/S-299	D684 / W EOS	08/24/14	9:55 AM	10:00 AM	30	30	PASS	AT		X	
S-297/S-298	E EOS / D683	08/15/14	8:05 AM	8:10 AM	30	30	PASS	BM	X		
S-297/S-298	D683 / W EOS	08/28/14	4:20 PM	4:25 PM	30	28	PASS	BM		X	
S-296/S-297	E EOS / D682	08/15/14	8:05 AM	8:10 AM	30	30	PASS	BM	X		
S-296/S-297	D682 / W EOS	08/28/14	10:58 AM	11:03 AM	30	30	PASS	BM		X	
S-295/S-296	E EOS / D681	08/15/14	8:23 AM	8:28 AM	30	30	PASS	BM	X		
S-295/S-296	D681 / W EOS	08/28/14	10:57 AM	11:02 AM	30	30	PASS	BM		X	
S-294/S-295	E EOS / D680	08/15/14	8:24 AM	8:29 AM	30	30	PASS	BM	X		
S-294/S-295	D680 / W EOS	08/28/14	10:56 AM	11:01 AM	30	30	PASS	BM		X	
S-293/S-294	E EOS / D679	08/15/14	8:25 AM	8:30 AM	30	30	PASS	BM	X		
S-293/S-294	D679 / W EOS	08/24/14	11:15 AM	11:20 AM	30	30	PASS	AT		X	
S-292/S-293	E EOS / D678	08/15/14	8:25 AM	8:30 AM	30	30	PASS	BM	X		

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-292/S-293	D678 / W EOS	08/24/14	10:32 AM	10:37 AM	30	30	PASS	AF		X	
S-291/S-292	E EOS / D677	08/15/14	8:26 AM	8:31 AM	30	30	PASS	BM	X		
S-291/S-292	D677 / W EOS	08/24/14	9:57 AM	10:02 AM	30	29	PASS	AT		X	
S-290/S-291	E EOS / D676	08/15/14	8:38 AM	8:43 AM	30	30	PASS	BM	X		
S-290/S-291	D676 / W EOS	08/22/14	9:12 AM	9:17 AM	30	30	PASS	BM		X	
S-289/S-290	E EOS / D675	08/15/14	8:29 AM	8:44 AM	30	30	PASS	BM	X		
S-289/S-290	D675 / W EOS	08/21/14	9:12 AM	9:17 AM	30	30	PASS	BM		X	
S-288/S-289	E EOS / D672	08/15/14	8:40 AM	8:45 AM	30	30	PASS	BM	X		
S-288/S-289	D672 / W EOS	08/22/14	9:09 AM	9:14 AM	30	30	PASS	BM		X	
S-232/S-302	S EOS / N EOS	08/16/14	3:03 PM	3:08 PM	30	28	PASS	AT		X	
S-229/S-302	E EOS / W EOS	08/16/14	3:03 PM	3:08 PM	30	28	PASS	AT		X	
S-230/S-302	E EOS / W EOS	08/16/14	3:01 PM	3:06 PM	30	30	PASS	AT		X	
S-231/S-302	E EOS / W EOS	08/16/14	3:01 PM	3:06 PM	30	27	PASS	AT		X	
S-233/S-302	E EOS / W EOS	08/16/14	4:40 PM	4:45 PM	30	30	PASS	AT		X	
S-233/S-303	S EOS / N EOS	08/16/14	3:18 PM	3:23 PM	30	28	PASS	AT		X	
S-211/S-305	S EOS / N EOS	08/16/14	4:43 PM	4:48 PM	30	30	PASS	AT		X	
S-210/S-304	S EOS / N EOS	08/16/14	4:42 PM	4:47 PM	30	30	PASS	AT		X	
S-304/S-305	E EOS / W EOS	08/16/14	4:43 PM	4:48 PM	30	29	PASS	AT		X	
S-303/S-304	E EOS / W EOS	08/16/14	4:42 PM	4:47 PM	30	29	PASS	AT		X	
S-302/S-303	E EOS / W EOS	08/16/14	4:47 PM	4:52 PM	30	30	PASS	AT		X	
S-233/S-304	E EOS / W EOS	08/16/14	4:50 PM	4:55 PM	30	30	PASS	AT		X	
S-185/S-303	N EOS / S EOS	08/16/14	4:57 PM	5:02 PM	30	30	PASS	AT		X	
S-185/S-302	N EOS / S EOS	08/16/14	4:57 PM	5:02 PM	30	29	PASS	AT		X	
S-185/S-304	N EOS / S EOS	08/16/14	5:00 PM	5:05 PM	30	30	PASS	AT		X	
S-184/S-305	N EOS / S EOS	08/16/14	5:00 PM	5:05 PM	30	28	PASS	AT		X	
S-306/S-308	E EOS / W EOS	08/18/14	1:19 PM	1:24 PM	30	30	PASS	AF		X	
S-184/S-308	N EOS / S EOS	08/18/14	1:19 PM	1:24 PM	30	28	PASS	AF		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-308/S-309	E EOS / W EOS	08/18/14	1:20 PM	1:25 PM	30	28	PASS	AF		X	
S-184/S-309	N EOS / S EOS	08/18/14	1:29 PM	1:34 PM	30	30	PASS	AF		X	
S-203/S-309	N EOS / S EOS	08/18/14	1:22 PM	1:27 PM	30	30	PASS	AF		X	
S-184/S-306	N EOS / S EOS	08/18/14	1:32 PM	1:37 PM	30	29	PASS	AF		X	
S-309/S-311	E EOS / W EOS	08/18/14	1:35 PM	1:40 PM	30	30	PASS	AF		X	
S-203/S-311	N EOS / S EOS	08/18/14	1:35 PM	1:40 PM	30	30	PASS	AF		X	
S-307/S-308	N EOS / S EOS	08/18/14	1:37 PM	1:42 PM	30	30	PASS	AF		X	
S-305/S-306	E EOS / W EOS	08/18/14	1:39 PM	1:44 PM	30	30	PASS	AF		X	
S-306/S-307	E EOS / W EOS	08/18/14	1:43 PM	1:48 PM	30	30	PASS	AF		X	
S-307/S-309	E EOS / W EOS	08/18/14	1:43 PM	1:48 PM	30	30	PASS	AF		X	
S-309/S-310	E EOS / W EOS	08/18/14	1:45 PM	1:50 PM	30	30	PASS	AF		X	
S-311/S-312	E EOS / W EOS	08/18/14	2:03 PM	2:08 PM	30	28	PASS	AF		X	
S-310/S-311	N EOS / S EOS	08/18/14	2:03 PM	2:08 PM	30	30	PASS	AF		X	
S-310/S-312	E EOS / W EOS	08/18/14	2:03 PM	2:08 PM	30	30	PASS	AF		X	
S-212/S-305	W EOS / E EOS	08/18/14	2:19 PM	2:24 PM	30	30	PASS	AF		X	
S-212/S-307	W EOS / E EOS	08/18/14	2:19 PM	2:24 PM	30	30	PASS	AF		X	
S-213/S-307	S EOS / N EOS	08/18/14	2:20 PM	2:25 PM	30	30	PASS	AF		X	
S-214/S-309	S EOS / N EOS	08/18/14	2:27 PM	2:32 PM	30	30	PASS	AF		X	
S-215/S-309	W EOS / E EOS	08/18/14	2:30 PM	2:35 PM	30	30	PASS	AF		X	
S-215/S-310	S EOS / N EOS	08/18/14	2:32 PM	2:37 PM	30	29	PASS	AF		X	
S-212/S-306	S EOS / N EOS	08/18/14	2:47 PM	2:52 PM	30	29	PASS	AF		X	
S-215/S-312	E EOS / W EOS	08/18/14	2:59 PM	3:04 PM	30	30	PASS	AF		X	
S-217/S-313	S EOS / N EOS	08/18/14	3:02 PM	3:07 PM	30	30	PASS	AF		X	
S-217/S-312	E EOS / W EOS	08/18/14	3:06 PM	3:11 PM	30	28	PASS	AF		X	
S-216/S-312	S EOS / N EOS	08/18/14	2:59 PM	3:04 PM	30	30	PASS	AF		X	
S-218/S-315	S EOS / N EOS	08/18/14	3:15 PM	3:20 PM	30	30	PASS	AF		X	
S-217/S-315	E EOS / W EOS	08/18/14	3:15 PM	3:20 PM	30	30	PASS	AF		X	

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-219/S-318	S EOS / D734	08/18/14	4:15 PM	4:20 PM	30	30	PASS	AF	X		
S-219/S-318	D734 / N EOS	08/18/14	4:16 PM	4:21 PM	30	30	PASS	AF		X	
S-219/S-315	E EOS / W EOS	08/18/14	4:15 PM	4:20 PM	30	30	PASS	AF		X	
S-315/S-318	E EOS / W EOS	08/18/14	4:15 PM	4:20 PM	30	28	PASS	AF		X	
S-317/S-318	S EOS / N EOS	08/18/14	4:24 PM	4:29 PM	30	28	PASS	AF		X	
S-315/S-317	W EOS / E EOS	08/18/14	4:24 PM	4:29 PM	30	30	PASS	AF		X	
S-312/S-313	W EOS / E EOS	08/18/14	4:28 PM	4:33 PM	30	30	PASS	AF		X	
S-313/S-315	W EOS / E EOS	08/18/14	4:37 PM	4:42 PM	30	29	PASS	AF		X	
S-312/S-314	E EOS / W EOS	08/18/14	4:41 PM	4:46 PM	30	30	PASS	AF		X	
S-313/S-314	S EOS / N EOS	08/18/14	4:50 PM	4:55 PM	30	30	PASS	AF		X	
S-314/S-315	E EOS / W EOS	08/18/14	4:52 PM	4:57 PM	30	30	PASS	AF		X	
S-316/S-317	S EOS / N EOS	08/18/14	4:55 PM	5:00 PM	30	30	PASS	AF		X	
S-204/S-314	N EOS / S EOS	08/18/14	5:17 PM	5:22 PM	30	30	PASS	AF		X	
S-315/S-316	E EOS / W EOS	08/18/14	5:17 PM	5:22 PM	30	29	PASS	AF		X	
S-204/S-316	N EOS / S EOS	08/18/14	5:17 PM	5:22 PM	30	30	PASS	AF		X	
S-204/S-312	N EOS / S EOS	08/18/14	5:27 PM	5:32 PM	30	28	PASS	AF		X	
S-203/S-312	N EOS / S EOS	08/18/14	-	-	0	0	FAIL	AF		X	Seam Capped
S-204/S-315	N EOS / D741	08/18/14	5:40 PM	5:45 PM	30	30	PASS	AF	X		
S-204/S-315	D741 / S EOS	08/20/14	3:55 PM	4:00 PM	30	30	PASS	AF		X	
S-219/S-319	E EOS / W EOS	08/20/14	8:17 AM	8:22 AM	30	30	PASS	AF		X	
S-244/S-319	S EOS / N EOS	08/20/14	8:17 AM	8:22 AM	30	30	PASS	AF		X	
S-245/S-319	E EOS / W EOS	08/20/14	8:18 AM	8:23 AM	30	30	PASS	AF		X	
S-276/S-327	E EOS / W EOS	08/20/14	8:25 AM	8:30 AM	30	30	PASS	AF		X	
S-278/S-327	E EOS / W EOS	08/20/14	8:25 AM	8:30 AM	30	30	PASS	AF		X	
S-277/S-327	S EOS / N EOS	08/20/14	8:46 AM	8:51 AM	30	30	PASS	AF		X	
S-245/S-321	S EOS / N EOS	08/20/14	9:48 AM	9:53 AM	30	30	PASS	AF		X	
S-246/S-322	S EOS / N EOS	08/20/14	9:50 AM	9:55 AM	30	30	PASS	AF		X	

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**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-322/S-324	E EOS / W EOS	08/20/14	9:56 AM	10:01 AM	30	30	PASS	AF		X	
S-246/S-324	E EOS / W EOS	08/20/14	9:56 AM	10:01 AM	30	27	PASS	AF		X	
S-276/S-326	S EOS / N EOS	08/20/14	10:12 AM	10:17 AM	30	30	PASS	AF		X	
S-276/S-324	E EOS / W EOS	08/20/14	10:12 AM	10:17 AM	30	29	PASS	AF		X	
S-322/S-323	N EOS / S EOS	08/20/14	2:27 PM	2:32 PM	30	28	PASS	AF		X	
S-319/S-321	E EOS / W EOS	08/20/14	2:34 PM	2:39 PM	30	28	PASS	AF		X	
S-320/S-321	E EOS / W EOS	08/20/14	2:34 PM	2:39 PM	30	29	PASS	AF		X	
S-319/S-320	N EOS / S EOS	08/20/14	2:34 PM	2:39 PM	30	30	PASS	AF		X	
S-204/S-321	N EOS / S EOS	08/20/14	2:36 PM	2:41 PM	30	30	PASS	AF		X	
S-316/S-320	E EOS / W EOS	08/20/14	2:47 PM	2:52 PM	30	27	PASS	AF		X	
S-316/S-319	E EOS / W EOS	08/20/14	2:47 PM	2:52 PM	30	28	PASS	AF		X	
S-317/S-319	E EOS / W EOS	08/20/14	2:57 PM	3:02 PM	30	30	PASS	AF		X	
S-318/S-319	E EOS / W EOS	08/20/14	2:57 PM	3:02 PM	30	30	PASS	AF		X	
S-204/S-320	N EOS / S EOS	08/20/14	3:09 PM	3:14 PM	30	29	PASS	AF		X	
S-246/S-321	E EOS / W EOS	08/20/14	3:21 PM	3:26 PM	30	28	PASS	AF		X	
S-170/S-329	N EOS / S EOS	08/20/14	3:37 PM	3:42 PM	30	30	PASS	AF		X	
S-169/S-329	N EOS / S EOS	08/20/14	3:37 PM	3:42 PM	30	29	PASS	AF		X	
S-169/S-328	N EOS / S EOS	08/20/14	3:38 PM	3:43 PM	30	30	PASS	AF		X	
S-168/S-328	N EOS / S EOS	08/20/14	3:38 PM	3:43 PM	30	30	PASS	AF		X	
S-168/S-325	N EOS / S EOS	08/20/14	3:42 PM	3:47 PM	30	28	PASS	AF		X	
S-167/S-325	N EOS / S EOS	08/20/14	3:50 PM	3:55 PM	30	29	PASS	AF		X	
S-324/S-326	E EOS / W EOS	08/20/14	10:12 AM	10:17 AM	30	30	PASS	AF		X	
S-278/S-329	S EOS / N EOS	08/20/14	10:15 AM	10:20 AM	30	29	PASS	AF		X	
S-327/S-329	E EOS / W EOS	08/20/14	10:15 AM	10:20 AM	30	30	PASS	AF		X	
S-247/S-324	S EOS / N EOS	08/20/14	10:18 AM	10:23 AM	30	30	PASS	AF		X	
S-326/S-327	E EOS / W EOS	08/20/14	10:28 AM	10:33 AM	30	30	PASS	AF		X	
S-328/S-329	E EOS / W EOS	08/20/14	10:40 AM	10:45 AM	30	30	PASS	AF		X	

Acronyms:
EOS-End of Seam
N, S, E, W-Cardinal Directions

Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-327/S-328	N EOS / S EOS	08/20/14	10:40 AM	10:45 AM	30	30	PASS	AF		X	
S-326/S-328	E EOS / W EOS	08/20/14	10:46 AM	10:51 AM	30	28	PASS	AF		X	
S-325/S-326	N EOS / S EOS	08/20/14	10:46 AM	10:51 AM	30	29	PASS	AF		X	
S-325/S-328	E EOS / W EOS	08/20/14	10:46 AM	10:51 AM	30	30	PASS	AF		X	
S-324/S-325	E EOS / W EOS	08/20/14	1:29 PM	1:34 PM	30	29	PASS	AF		X	
S-204/S-324	N EOS / S EOS	08/20/14	1:29 PM	1:34 PM	30	30	PASS	AF		X	
S-323/S-324	E EOS / W EOS	08/20/14	1:31 PM	1:36 PM	30	30	PASS	AF		X	
S-204/S-323	N EOS / S EOS	08/20/14	1:31 PM	1:36 PM	30	30	PASS	AF		X	
S-321/S-323	E EOS / W EOS	08/20/14	2:25 PM	2:30 PM	30	30	PASS	AF		X	
S-321/S-322	E EOS / W EOS	08/20/14	2:25 PM	2:30 PM	30	29	PASS	AF		X	
S-290/S-347	W EOS / E EOS	08/21/14	9:21 AM	9:26 AM	30	29	PASS	BM		X	
S-290/S-348	S EOS / N EOS	08/21/14	9:21 AM	9:26 AM	30	29	PASS	BM		X	
S-290/S-350	E EOS / W EOS	08/21/14	9:23 AM	9:28 AM	30	29	PASS	BM		X	
S-291/S-350	S EOS / N EOS	08/21/14	9:23 AM	9:28 AM	30	30	PASS	BM		X	
S-286/S-340	E EOS / W EOS	08/21/14	10:03 AM	10:08 AM	30	30	PASS	BM		X	
S-329/S-330	W EOS / E EOS	08/21/14	12:47 PM	12:52 PM	30	29	PASS	BM		X	
S-170/S-330	S EOS / N EOS	08/21/14	12:47 PM	12:52 PM	30	30	PASS	BM		X	
S-171/S-330	N EOS / S EOS	08/21/14	12:51 PM	12:56 PM	30	29	PASS	BM		X	
S-330/S-332	W EOS / E EOS	08/21/14	12:51 PM	12:56 PM	30	30	PASS	BM		X	
S-171/S-332	S EOS / N EOS	08/21/14	12:52 PM	12:57 PM	30	29	PASS	BM		X	
S-172/S-332	N EOS / S EOS	08/21/14	12:59 PM	1:04 PM	30	28	PASS	BM		X	
S-172/S-333	S EOS / N EOS	08/21/14	1:06 PM	1:11 PM	30	29	PASS	BM		X	
S-332/S-333	W EOS / E EOS	08/21/14	1:06 PM	1:11 PM	30	30	PASS	BM		X	
S-173/S-333	N EOS / S EOS	08/21/14	1:09 PM	1:14 PM	30	27	PASS	BM		X	
S-333/S-336	W EOS / E EOS	08/21/14	1:08 PM	1:13 PM	30	29	PASS	BM		X	
S-173/S-336	S EOS / N EOS	08/21/14	1:08 PM	1:14 PM	30	30	PASS	BM		X	
S-174/S-336	N EOS / S EOS	08/21/14	1:17 PM	1:22 PM	30	30	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-336/S-337	W EOS / E EOS	08/21/14	1:22 PM	1:27 PM	30	28	PASS	BM		X	
S-174/S-337	S EOS / N EOS	08/21/14	1:17 PM	1:22 PM	30	28	PASS	BM		X	
S-196/S-337	N EOS / S EOS	08/21/14	1:31 PM	1:36 PM	30	30	PASS	BM		X	
S-337/S-339	W EOS / E EOS	08/21/14	1:31 PM	1:36 PM	30	30	PASS	BM		X	
S-196/S-339	N EOS / S EOS	08/21/14	1:34 PM	1:39 PM	30	30	PASS	BM		X	
S-197/S-339	S EOS / N EOS	08/21/14	1:34 PM	1:39 PM	30	28	PASS	BM		X	
S-329/S-331	W EOS / D825	08/21/14	2:25 PM	2:30 PM	30	29	PASS	BM	X		
S-329/S-331	D825 / E EOS	-	-	-	0	0	FAIL	BM		X	Seam Capped
S-330/S-331	S EOS / N EOS	08/21/14	1:40 PM	1:45 PM	30	30	PASS	BM		X	
S-331/S-332	W EOS / E EOS	08/21/14	1:44 PM	1:49 PM	30	30	PASS	BM		X	
S-333/S-334	N EOS / S EOS	08/21/14	1:46 PM	1:51 PM	30	30	PASS	BM		X	
S-332/S-334	W EOS / E EOS	08/21/14	2:35 PM	2:40 PM	30	30	PASS	BM		X	
S-334/S-335	W EOS / E EOS	08/21/14	2:36 PM	2:41 PM	30	30	PASS	BM		X	
S-333/S-335	E EOS / W EOS	08/21/14	2:37 PM	2:42 PM	30	29	PASS	BM		X	
S-335/S-336	N EOS / S EOS	08/21/14	2:46 PM	2:51 PM	30	30	PASS	BM		X	
S-335/S-337	W EOS / E EOS	08/21/14	2:46 PM	2:51 PM	30	30	PASS	BM		X	
S-337/S-338	W EOS / E EOS	08/21/14	2:46 PM	2:53 PM	30	29	PASS	BM		X	
S-278/S-331	E EOS / W EOS	08/21/14	2:57 PM	3:02 PM	30	27	PASS	BM		X	
S-279/S-331	S EOS / N EOS	08/21/14	2:57 PM	3:02 PM	30	28	PASS	BM		X	
S-280/S-331	W EOS / E EOS	08/21/14	3:06 PM	3:11 PM	30	30	PASS	BM		X	
S-280/S-332	S EOS / N EOS	08/21/14	3:06 PM	3:11 PM	30	30	PASS	BM		X	
S-280/S-334	W EOS / E EOS	08/21/14	3:19 PM	3:24 PM	30	30	PASS	BM		X	
S-281/S-334	S EOS / N EOS	08/21/14	3:21 PM	3:26 PM	30	29	PASS	BM		X	
S-282/S-334	W EOS / E EOS	08/21/14	3:31 PM	3:36 PM	30	30	PASS	BM		X	
S-282/S-337	W EOS / E EOS	08/21/14	3:39 PM	3:44 PM	30	30	PASS	BM		X	
S-282/S-335	S EOS / N EOS	08/21/14	3:31 PM	3:36 PM	30	28	PASS	BM		X	
S-283/S-337	W EOS / E EOS	08/21/14	3:39 PM	3:44 PM	30	30	PASS	BM		X	

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Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-284/S-337	E EOS / W EOS	08/21/14	3:49 PM	3:54 PM	30	30	PASS	BM		X	
S-197/S-340	S EOS / N EOS	08/22/14	7:37 AM	7:42 AM	30	30	PASS	BM		X	
S-339/S-340	W EOS / E EOS	08/22/14	7:37 AM	7:42 AM	30	30	PASS	BM		X	
S-198/S-340	N EOS / S EOS	08/22/14	7:39 AM	7:44 AM	30	29	PASS	BM		X	
S-198/S-343	S EOS / N EOS	08/22/14	7:39 AM	7:44 AM	30	30	PASS	BM		X	
S-340/S-343	W EOS / E EOS	08/22/14	7:43 AM	7:48 AM	30	29	PASS	BM		X	
S-199/S-343	S EOS / N EOS	08/22/14	7:44 AM	7:49 AM	30	30	PASS	BM		X	
S-343/S-344	W EOS / E EOS	08/22/14	7:48 AM	7:53 AM	30	30	PASS	BM		X	
S-199/S-344	S EOS / N EOS	08/22/14	7:48 AM	7:53 AM	30	29	PASS	BM		X	
S-239/S-344	N EOS / S EOS	08/22/14	7:52 AM	7:57 AM	30	29	PASS	BM		X	
S-344/S-345	W EOS / E EOS	08/22/14	7:52 AM	7:57 AM	30	30	PASS	BM		X	
S-239/S-345	S EOS / N EOS	08/22/14	7:52 AM	7:57 AM	30	30	PASS	BM		X	
S-345/S-346	W EOS / E EOS	08/22/14	7:56 AM	8:01 AM	30	30	PASS	BM		X	
S-239/S-346	N EOS / S EOS	08/22/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-236/S-346	S EOS / N EOS	08/22/14	7:56 AM	8:01 AM	30	30	PASS	BM		X	
S-346/S-348	W EOS / E EOS	08/22/14	8:01 AM	8:06 AM	30	30	PASS	BM		X	
S-236/S-348	N EOS / S EOS	08/22/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-349/S-350	S EOS / N EOS	08/22/14	8:35 AM	8:40 AM	30	30	PASS	BM		X	
S-284/S-338	N EOS / S EOS	08/22/14	8:45 AM	8:50 AM	30	30	PASS	BM		X	
S-284/S-340	W EOS / E EOS	08/22/14	8:45 AM	8:50 AM	30	30	PASS	BM		X	
S-285/S-340	S EOS / N EOS	08/22/14	8:47 AM	8:52 AM	30	29	PASS	BM		X	
S-286/S-341	N EOS / S EOS	08/22/14	8:52 AM	8:57 AM	30	29	PASS	BM		X	
S-286/S-344	W EOS / E EOS	08/22/14	8:52 AM	8:57 AM	30	30	PASS	BM		X	
S-287/S-344	S EOS / N EOS	08/22/14	8:58 AM	9:03 AM	30	29	PASS	BM		X	
S-288/S-344	W EOS / E EOS	08/22/14	9:03 AM	9:08 AM	30	30	PASS	BM		X	
S-288/S-345	S EOS / N EOS	08/22/14	9:03 AM	9:08 AM	30	30	PASS	BM		X	
S-288/S-347	E EOS / W EOS	08/22/14	9:09 AM	9:14 AM	30	30	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-289/S-347	S EOS / N EOS	08/22/14	9:09 AM	9:14 AM	30	30	PASS	BM		X	
S-237/S-348	S EOS / N EOS	08/22/14	8:01 AM	8:06 AM	30	30	PASS	BM		X	
S-348/S-349	W EOS / E EOS	08/22/14	8:02 AM	8:07 AM	30	29	PASS	BM		X	
S-237/S-349	N EOS / S EOS	08/22/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-238/S-349	S EOS / N EOS	08/22/14	8:04 AM	8:09 AM	30	30	PASS	BM		X	
S-338/S-339	N EOS / S EOS	08/22/14	8:12 AM	8:17 AM	30	30	PASS	BM		X	
S-338/S-340	W EOS / E EOS	08/22/14	8:12 AM	9:17 AM	30	30	PASS	BM		X	
S-340/S-342	W EOS / E EOS	08/22/14	8:13 AM	8:18 AM	30	30	PASS	BM		X	
S-342/S-343	S EOS / N EOS	08/22/14	8:13 AM	8:18 AM	30	30	PASS	BM		X	
S-342/S-344	W EOS / E EOS	08/22/14	8:15 AM	8:20 AM	30	30	PASS	BM		X	
S-340/S-341	W EOS / E EOS	08/22/14	8:20 AM	8:25 AM	30	30	PASS	BM		X	
S-341/S-342	S EOS / N EOS	08/22/14	8:20 AM	8:25 AM	30	30	PASS	BM		X	
S-341/S-344	W EOS / E EOS	08/22/14	8:20 AM	8:25 AM	30	30	PASS	BM		X	
S-345/S-347	W EOS / E EOS	08/22/14	8:23 AM	8:28 AM	30	30	PASS	BM		X	
S-346/S-347	S EOS / N EOS	08/22/14	8:23 AM	8:28 AM	30	28	PASS	BM		X	
S-347/S-348	W EOS / E EOS	08/22/14	8:37 AM	8:37 AM	30	30	PASS	BM		X	
S-348/S-350	W EOS / E EOS	08/22/14	8:39 AM	8:39 AM	30	30	PASS	BM		X	
S-255/S-255A	N EOS / S EOS	08/23/14	2:30 PM	2:35 PM	30	28	PASS	BM		X	
S-254/S-254A	N EOS / D877	08/23/14	2:27 PM	2:32 PM	30	30	PASS	BM	X		
S-254/S-254A	D877 / S EOS	08/23/14	2:37 PM	2:42 PM	30	28	PASS	BM		X	
S-253/S-253A	N EOS / S EOS	08/23/14	2:37 PM	2:42 PM	30	28	PASS	BM		X	
S-252/S-252A	N EOS / S EOS	08/23/14	2:41 PM	2:46 PM	30	28	PASS	BM		X	
S-251/S-251A	N EOS / S EOS	08/23/14	2:41 PM	2:46 PM	30	28	PASS	BM		X	
S-250/S-250A	N EOS / S EOS	08/23/14	2:55 PM	3:00 PM	30	30	PASS	BM		X	
S-249/S-249A	N EOS / S EOS	08/23/14	3:00 PM	3:05 PM	30	30	PASS	BM		X	
S-248/S-248A	N EOS / D894	08/23/14	3:00 PM	3:05 PM	30	30	PASS	BM	X		
S-248/S-248A	D894 / S EOS	08/23/14	3:00 PM	3:05 PM	30	28	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-292/S-350	E EOS / W EOS	08/24/14	9:58 AM	10:03 AM	30	30	PASS	AT		X	
S-292/S-351	S EOS / N EOS	08/24/14	10:05 AM	10:10 AM	30	29	PASS	AT		X	
S-350/S-351	E EOS / W EOS	08/24/14	10:05 AM	10:10 AM	30	27	PASS	AT		X	
S-349/S-351	E EOS / W EOS	08/24/14	9:50 AM	9:55 AM	30	30	PASS	AT		X	
S-294/S-352	E EOS / W EOS	08/24/14	11:19 AM	11:24 AM	30	28	PASS	AT		X	
S-294/S-354	S EOS / N EOS	08/24/14	11:20 AM	11:25 AM	30	27	PASS	AT		X	
S-352/S-354	E EOS / W EOS	08/24/14	11:20 AM	11:25 AM	30	28	PASS	AT		X	
S-353/S-360	E EOS / W EOS	08/24/14	2:49 PM	2:54 PM	30	29	PASS	AT		X	
S-293/S-352	S EOS / N EOS	08/24/14	10:32 AM	10:37 AM	30	28	PASS	CS		X	
S-292/S-352	E EOS / W EOS	08/24/14	10:32 AM	10:37 AM	30	29	PASS	CS		X	
S-351/S-352	E EOS / W EOS	08/24/14	10:33 AM	10:38 AM	30	30	PASS	CS		X	
S-353/S-354	N EOS / S EOS	08/24/14	11:36 AM	11:41 AM	30	30	PASS	CS		X	
S-352/S-353	E EOS / W EOS	08/24/14	11:36 AM	11:41 AM	30	29	PASS	CS		X	
S-241/S-353	N EOS / S EOS	08/24/14	11:37 AM	11:42 AM	30	30	PASS	CS		X	
S-241/S-352	N EOS / S EOS	08/24/14	11:39 AM	11:44 AM	30	30	PASS	CS		X	
S-240/S-351	N EOS / S EOS	08/24/14	11:39 AM	11:44 AM	30	30	PASS	CS		X	
S-238/S-351	N EOS / S EOS	08/24/14	-	-	0	0	FAIL	-		X	Seam Capped
S-242/S-353	N EOS / S EOS	08/24/14	11:50 AM	11:55 AM	30	27	PASS	CS		X	
S-242/S-360	N EOS / S EOS	08/24/14	-	-	0	0	FAIL	AF		X	Seam Capped
S-275/S-356	N EOS / S EOS	08/24/14	1:45 PM	1:50 PM	30	28	PASS	BM		X	
S-355/S-356	W EOS / E EOS	08/24/14	1:45 PM	1:50 PM	30	29	PASS	BM		X	
S-275/S-355	S EOS / D904	08/24/14	1:45 PM	1:50 PM	30	29	PASS	BM	X		
S-275/S-355	D904 / D909	08/24/14	1:49 PM	1:54 PM	30	30	PASS	BM	X		
S-275/S-355	D909 / N EOS	08/24/14	2:18 PM	2:23 PM	30	30	PASS	BM		X	
S-356/S-357	N EOS / S EOS	08/24/14	1:47 PM	1:52 PM	30	30	PASS	BM		X	
S-355/S-357	S EOS / N EOS	08/24/14	1:47 PM	1:52 PM	30	30	PASS	BM		X	
S-248/S-356	S EOS / N EOS	08/24/14	2:35 PM	2:40 PM	30	28	PASS	BM		X	

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Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-243/S-356	N EOS / S EOS	08/24/14	2:35 PM	2:40 PM	30	28	PASS	BM		X	
S-243/S-357	N EOS / S EOS	08/24/14	2:38 PM	2:43 PM	30	29	PASS	BM		X	
S-357/S-359	S EOS / N EOS	08/24/14	2:48 PM	2:53 PM	30	30	PASS	BM		X	
S-359/S-360	W EOS / E EOS	08/24/14	4:48 PM	2:53 PM	30	30	PASS	BM		X	
S-357/S-360	N EOS / S EOS	08/24/14	4:48 PM	2:53 PM	30	29	PASS	BM		X	
S-355/S-358	S EOS / N EOS	08/24/14	3:00 PM	3:05 PM	30	30	PASS	BM		X	
S-357/S-358	W EOS / E EOS	08/24/14	3:00 PM	3:05 PM	30	30	PASS	BM		X	
S-358/S-359	S EOS / N EOS	08/24/14	3:00 PM	3:05 PM	30	30	PASS	BM		X	
S-359/S-365	S EOS / N EOS	08/28/14	9:45 AM	9:50 AM	30	30	PASS	BM		X	
S-365/S-366	S EOS / N EOS	08/28/14	9:47 AM	9:52 AM	30	30	PASS	BM		X	
S-353/S-365	W EOS / E EOS	08/28/14	9:47 AM	9:52 AM	30	30	PASS	BM		X	
S-360/S-365	S EOS / N EOS	08/28/14	9:49 AM	9:54 AM	30	30	PASS	BM		X	
S-354/S-361	W EOS / D978	08/28/14	10:00 AM	10:05 AM	30	29	PASS	BM	X		
S-354/S-361	D978 / E EOS	08/28/14	10:06 AM	10:11 AM	30	30	PASS	BM		X	
S-361/S-365	S EOS / N EOS	08/28/14	10:00 AM	10:05 AM	30	30	PASS	BM		X	
S-361/S-366	W EOS / E EOS	08/28/14	10:02 AM	10:07 AM	30	30	PASS	BM		X	
S-361/S-362	W EOS / E EOS	08/28/14	10:02 AM	10:07 AM	30	30	PASS	BM		X	
S-362/S-366	W EOS / E EOS	08/28/14	10:08 AM	10:13 AM	30	29	PASS	BM		X	
S-366/S-367	S EOS / N EOS	08/28/14	10:10 AM	10:15 AM	30	30	PASS	BM		X	
S-362/S-367	E EOS / W EOS	08/28/14	10:15 AM	10:20 AM	30	29	PASS	BM		X	
S-367/S-368	S EOS / N EOS	08/28/14	10:11 AM	10:16 AM	30	28	PASS	BM		X	
S-363/S-367	E EOS / W EOS	08/28/14	10:21 AM	10:26 AM	30	30	PASS	BM		X	
S-362/S-363	W EOS / E EOS	08/28/14	10:23 AM	10:28 AM	30	30	PASS	BM		X	
S-363/S-368	W EOS / E EOS	08/28/14	10:24 AM	10:29 AM	30	30	PASS	BM		X	
S-363/S-369	W EOS / E EOS	08/28/14	10:24 AM	10:29 AM	30	29	PASS	BM		X	
S-368/S-369	W EOS / E EOS	08/28/14	10:24 AM	10:29 AM	30	30	PASS	BM		X	
S-369/S-370	W EOS / E EOS	08/28/14	-	-	0	0	FAIL	BM		X	Seam Capped

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Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-299/S-369	W EOS / E EOS	08/28/14	10:34 AM	10:39 AM	30	29	PASS	BM		X	
S-299/S-370	E EOS / W EOS	08/28/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-364/S-369	S EOS / N EOS	08/28/14	10:35 AM	10:40 AM	30	30	PASS	BM		X	
S-297/S-369	E EOS / W EOS	08/28/14	10:35 AM	10:40 AM	30	28	PASS	BM		X	
S-297/S-363	N EOS / S EOS	08/28/14	10:36 AM	10:41 AM	30	30	PASS	BM		X	
S-296/S-363	E EOS / W EOS	08/28/14	10:43 AM	10:48 AM	30	30	PASS	BM		X	
S-296/S-362	S EOS / N EOS	08/28/14	10:46 AM	10:51 AM	30	30	PASS	BM		X	
S-296/S-361	W EOS / E EOS	08/28/14	10:46 AM	10:51 AM	30	30	PASS	BM		X	
S-294/S-361	E EOS / W EOS	08/28/14	10:50 AM	10:55 AM	30	28	PASS	BM		X	
S-295/S-361	S EOS / N EOS	08/28/14	10:50 AM	10:55 AM	30	30	PASS	BM		X	
S-297/S-364	W EOS / E EOS	08/28/14	10:59 AM	11:04 AM	30	30	PASS	BM		X	
S-299/S-364	W EOS / E EOS	08/28/14	11:07 AM	11:12 AM	30	30	PASS	BM		X	
S-368/S-370	N EOS / S EOS	08/28/14	11:08 AM	11:13 AM	30	28	PASS	BM		X	
S-368/S-371	S EOS / N EOS	08/28/14	11:08 AM	11:13 AM	30	30	PASS	BM		X	
S-370/S-371	W EOS / E EOS	08/28/14	11:08 AM	11:13 AM	30	29	PASS	BM		X	
S-371/S-374	S EOS / N EOS	08/28/14	11:17 AM	11:22 AM	30	28	PASS	BM		X	
S-299/S-372	W EOS / E EOS	08/28/14	11:17 AM	11:22 AM	30	29	PASS	BM		X	
S-372/S-373	S EOS / N EOS	08/28/14	11:19 AM	11:24 AM	30	28	PASS	BM		X	
S-299/S-373	W EOS / E EOS	08/28/14	11:20 AM	11:25 AM	30	30	PASS	BM		X	
S-301/S-373	W EOS / D967	08/28/14	11:25 AM	11:30 AM	30	30	PASS	BM		X	
S-301/S-373	D967 / E EOS	08/28/14	4:11 PM	4:16 PM	30	28	PASS	BM	X		
S-301/S-372	E EOS / W EOS	08/28/14	11:25 AM	11:30 AM	30	28	PASS	BM		X	
S-374/S-375	S EOS / N EOS	08/28/14	11:29 AM	11:34 AM	30	30	PASS	BM		X	
S-372/S-374	E EOS / D983	08/28/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-372/S-374	D983 / W EOS	08/28/14	11:44 AM	11:49 AM	30	30	PASS	BM	X		
S-374/S-377	N EOS / S EOS	08/28/14	3:37 PM	3:42 PM	30	30	PASS	BM		X	
S-377/S-378	N EOS / S EOS	08/28/14	3:40 PM	3:45 PM	30	27	PASS	BM		X	

Acronyms:
EOS-End of Seam
N, S, E, W-Cardinal Directions

Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-378/S-380	N EOS / S EOS	08/28/14	3:39 PM	3:44 PM	30	30	PASS	BM		X	
S-380/S-382	N EOS / S EOS	08/28/14	3:39 PM	3:44 PM	30	30	PASS	BM		X	
S-382/S-384	N EOS / S EOS	08/28/14	3:43 PM	3:48 PM	30	30	PASS	BM		X	
S-384/S-385	N EOS / S EOS	08/28/14	3:47 PM	3:52 PM	30	30	PASS	BM		X	
S-385/S-397	N EOS / S EOS	08/28/14	3:49 PM	3:54 PM	30	30	PASS	BM		X	
S-396/S-397	E EOS / W EOS	08/28/14	3:51 PM	3:56 PM	30	30	PASS	BM		X	
S-395/S-396	E EOS / W EOS	08/28/14	3:52 PM	3:57 PM	30	29	PASS	BM		X	
S-394/S-395	E EOS / W EOS	08/28/14	3:54 PM	3:59 PM	30	30	PASS	BM		X	
S-392/S-394	E EOS / W EOS	08/28/14	4:01 PM	4:06 PM	30	30	PASS	BM		X	
S-391/S-392	E EOS / W EOS	08/28/14	4:02 PM	4:07 PM	30	30	PASS	BM		X	
S-389/S-391	E EOS / W EOS	08/28/14	4:04 PM	4:09 PM	30	30	PASS	BM		X	
S-388/S-389	E EOS / W EOS	08/28/14	4:05 PM	4:10 PM	30	30	PASS	BM		X	
S-386/S-388	E EOS / W EOS	08/28/14	4:08 PM	4:13 PM	30	30	PASS	BM		X	
S-301/S-386	E EOS / W EOS	08/28/14	4:09 PM	4:14 PM	30	30	PASS	BM		X	
S-240/S-352	N EOS / S EOS	08/28/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-301/S-374	N EOS / S EOS	08/28/14	-	-	0	0	FAIL	BM		X	Seam Capped
S-300/S-373	N EOS / S EOS	08/28/14	4:12 PM	4:17 PM	30	30	PASS	BM		X	
S-299/S-374	W EOS / E EOS	08/28/14	4:19 PM	4:24 PM	30	30	PASS	BM		X	
S-298/S-364	N EOS / S EOS	08/28/14	4:19 PM	4:24 PM	30	30	PASS	BM		X	
S-375/S-386	E EOS / W EOS	08/29/14	7:40 AM	7:45 AM	30	27	PASS	AF		X	
S-301/S-375	E EOS / W EOS	08/29/14	7:40 AM	7:45 AM	30	30	PASS	AF		X	
S-374/S-376	N EOS / S EOS	08/29/14	7:41 AM	7:46 AM	30	30	PASS	AF		X	
S-375/S-376	E EOS / W EOS	08/29/14	7:41 AM	7:46 AM	30	30	PASS	AF		X	
S-376/S-378	N EOS / S EOS	08/29/14	7:52 AM	7:57 AM	30	30	PASS	AF		X	
S-378/S-386	E EOS / W EOS	08/29/14	7:52 AM	7:57 AM	30	29	PASS	AF		X	
S-386/S-387	E EOS / W EOS	08/29/14	7:55 AM	8:00 AM	30	29	PASS	AF		X	
S-378/S-387	E EOS / W EOS	08/29/14	7:55 AM	8:00 AM	30	30	PASS	AF		X	

Acronyms:
EOS-End of Seam
N, S, E, W-Cardinal Directions

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-378/S-379	N EOS / S EOS	08/29/14	8:00 AM	8:05 AM	30	30	PASS	AF		X	
S-379/S-387	E EOS / W EOS	08/29/14	8:00 AM	8:05 AM	30	30	PASS	AF		X	
S-379/S-389	E EOS / W EOS	08/29/14	8:04 AM	8:09 AM	30	29	PASS	AF		X	
S-387/S-388	S EOS / N EOS	08/29/14	8:04 AM	8:09 AM	30	29	PASS	AF		X	
S-389/S-390	E EOS / W EOS	08/29/14	8:11 AM	8:16 AM	30	30	PASS	AF		X	
S-379/S-380	E EOS / W EOS	08/29/14	8:11 AM	8:16 AM	30	29	PASS	AF		X	
S-381/S-390	E EOS / W EOS	08/29/14	8:15 AM	8:20 AM	30	28	PASS	AF		X	
S-380/S-381	N EOS / S EOS	08/29/14	8:15 AM	8:20 AM	30	29	PASS	AF		X	
S-390/S-391	S EOS / N EOS	08/29/14	8:21 AM	9:26 AM	30	29	PASS	AF		X	
S-381/S-392	E EOS / W EOS	08/29/14	8:22 AM	9:27 AM	30	30	PASS	AF		X	
S-376/S-377	E EOS / W EOS	08/29/14	8:26 AM	9:31 AM	30	29	PASS	AF		X	
S-381/S-382	E EOS / W EOS	08/29/14	8:54 AM	9:59 AM	30	30	PASS	AF		X	
S-382/S-392	E EOS / W EOS	08/29/14	8:54 AM	9:59 AM	30	28	PASS	AF		X	
S-382/S-383	N EOS / S EOS	08/29/14	8:57 AM	9:02 AM	30	30	PASS	AF		X	
S-383/S-392	E EOS / W EOS	08/29/14	8:57 AM	9:02 AM	30	30	PASS	AF		X	
S-383/S-393	E EOS / W EOS	08/29/14	9:03 AM	9:08 AM	30	30	PASS	AF		X	
S-392/S-393	E EOS / W EOS	08/29/14	9:03 AM	9:08 AM	30	30	PASS	AF		X	
S-393/S-394	S EOS / N EOS	08/29/14	9:15 AM	9:20 AM	30	30	PASS	AF		X	
S-383/S-385	N EOS / S EOS	08/29/14	9:19 AM	9:24 AM	30	30	PASS	AF		X	
S-385/S-395	E EOS / W EOS	08/29/14	9:19 AM	9:24 AM	30	30	PASS	AF		X	
S-383/S-384	E EOS / W EOS	08/29/14	9:21 AM	9:26 AM	30	30	PASS	AF		X	
S-385/S-396	E EOS / W EOS	08/29/14	9:23 AM	9:28 AM	30	30	PASS	AF		X	
S-199/S-199A	N EOS / S EOS	08/29/14	10:31 AM	10:36 AM	30	30	PASS	CS		X	
S-198/S-199	N EOS / S EOS	08/29/14	-	-	0	0	FAIL	CS		X	Seam Capped
S-198/S-198A	N EOS / D414	08/29/14	10:35 AM	10:40 AM	30	30	PASS	CS	X		
S-198/S-198A	D414 / S EOS	08/29/14	10:37 AM	10:42 AM	30	29	PASS	CS		X	
S-197/S-198	N EOS / S EOS	08/29/14	-	-	0	0	FAIL	CS		X	Seam Capped

Acronyms:
EOS-End of Seam
N, S, E, W-Cardinal Directions

Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-197/S-197A	N EOS / S EOS	08/29/14	10:42 AM	10:47 AM	30	27	PASS	CS		X	
S-196/S-197	N EOS / S EOS	08/29/14	-	-	0	0	FAIL	CS		X	Seam Capped
S-196/S-196A	N EOS / S EOS	08/29/14	10:46 AM	10:51 AM	30	30	PASS	CS		X	
S-258/S-398	N EOS / S EOS	09/28/14	11:35 AM	11:40 AM	30	27	PASS	TB		X	
S-259/S-398	N EOS / S EOS	09/28/14	11:35 AM	11:40 AM	30	30	PASS	TB		X	
S-255/S-398	N EOS / S EOS	09/28/14	11:37 AM	11:42 AM	30	30	PASS	TB		X	
S-254/S-398	N EOS / S EOS	09/28/14	11:44 AM	11:49 AM	30	30	PASS	TB		X	
S-253/S-398	N EOS / S EOS	09/28/14	11:44 AM	11:49 AM	30	30	PASS	TB		X	
S-263/S-399	N EOS / S EOS	09/28/14	11:53 AM	11:58 AM	30	30	PASS	TB		X	
S-398/S-399	S EOS / N EOS	09/28/14	11:53 AM	11:58 AM	30	30	PASS	TB		X	
S-252/S-399	W EOS / E EOS	09/28/14	11:59 AM	12:04 PM	30	30	PASS	TB		X	
S-251/S-399	E EOS / W EOS	09/28/14	11:59 AM	12:04 PM	30	28	PASS	TB		X	
S-251/S-400	E EOS / W EOS	09/28/14	12:08 PM	12:13 PM	30	30	PASS	TB		X	
S-399/S-400	S EOS / N EOS	09/28/14	12:08 PM	12:13 PM	30	30	PASS	TB		X	
S-399/S-402	N EOS / S EOS	09/28/14	12:14 PM	12:19 PM	30	30	PASS	TB		X	
S-400/S-402	N EOS / S EOS	09/28/14	12:14 PM	12:19 PM	30	30	PASS	TB		X	
S-266/S-402	N EOS / S EOS	09/28/14	12:20 PM	12:25 PM	30	29	PASS	TB		X	
S-267/S-402	N EOS / S EOS	09/28/14	12:20 PM	12:25 PM	30	30	PASS	TB		X	
S-268/S-402	N EOS / S EOS	09/28/14	12:31 PM	12:36 PM	30	30	PASS	TB		X	
S-269/S-402	N EOS / S EOS	09/28/14	12:31 PM	12:36 PM	30	30	PASS	TB		X	
S-402/S-403	E EOS / W EOS	09/28/14	12:38 PM	12:43 PM	30	29	PASS	TB		X	
S-270/S-403	N EOS / S EOS	09/28/14	12:38 PM	12:43 PM	30	30	PASS	TB		X	
S-270/S-402	S EOS / N EOS	09/28/14	12:43 PM	12:48 PM	30	30	PASS	TB		X	
S-400/S-401	W EOS / E EOS	09/28/14	12:44 PM	12:49 PM	30	29	PASS	TB		X	
S-401/S-403	N EOS / S EOS	09/28/14	12:49 PM	12:54 PM	30	30	PASS	TB		X	
S-250/S-401	W EOS / E EOS	09/28/14	12:51 PM	12:56 PM	30	29	PASS	TB		X	
S-272/S-404	W EOS / E EOS	09/28/14	1:57 PM	2:02 PM	30	30	PASS	TB		X	

Acronyms:
EOS-End of Seam
N, S, E, W-Cardinal Directions

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Pregnant Solution Storage Area
Secondary Geomembrane Non-Destructive Testing Summary
Seam Pressure Testing**



SEAM NUMBER	SEAM SECTION	TEST DATE	TIME		PRESSURE		PASS/ FAIL	QA MON	SEAM COMPLETE		REMARKS
	FROM / TO		START	FINISH	INITIAL (psi)	FINAL (psi)			NO	YES	
S-272/S-401	S EOS / N EOS	09/28/14	1:57 PM	2:02 PM	30	30	PASS	TB		X	
S-275/S-401	S EOS / PD1063	09/28/14	2:04 PM	2:09 PM	30	30	PASS	TB	X		
S-275/S-401	PD1063 / N EOS	09/28/14	2:10 PM	2:15 PM	30	28	PASS	TB	X		
S-275/S-401	E EOS / W EOS	09/28/14	2:10 PM	2:15 PM	30	30	PASS	TB		X	
S-273/S-401	S EOS / N EOS	09/28/14	2:16 PM	2:21 PM	30	30	PASS	TB		X	
S-401/S-404	W EOS / E EOS	09/28/14	2:23 PM	2:28 PM	30	30	PASS	TB		X	
S-275/S-404	W EOS / E EOS	09/28/14	2:25 PM	2:30 PM	30	29	PASS	TB		X	
S-273/S-404	N EOS / S EOS	09/28/14	2:30 PM	2:35 PM	30	30	PASS	TB		X	
S-264/S-398	W EOS / E EOS	09/28/14	4:35 PM	4:40 PM	30	30	PASS	BM		X	
S-263/S-398	E EOS / W EOS	09/28/14	4:35 PM	4:40 PM	30	30	PASS	BM		X	
S-362/S-398	W EOS / E EOS	09/28/14	4:42 PM	4:47 PM	30	30	PASS	BM		X	
S-261/S-398	E EOS / W EOS	09/28/14	4:42 PM	4:47 PM	30	30	PASS	BM		X	
S-261/S-406	S EOS / N EOS	09/28/14	4:50 PM	4:55 PM	30	30	PASS	BM		X	
S-398/S-406	E EOS / W EOS	09/28/14	4:50 PM	4:55 PM	30	30	PASS	BM		X	
S-255/S-407	W EOS / E EOS	09/28/14	5:08 PM	5:13 PM	30	30	PASS	BM		X	
S-256/S-407	W EOS / E EOS	09/28/14	5:18 PM	5:23 PM	30	30	PASS	BM		X	
S-398/S-407	W EOS / E EOS	09/28/14	5:18 PM	5:23 PM	30	30	PASS	BM		X	
S-256/S-408	E EOS / W EOS	09/28/14	5:22 PM	5:27 PM	30	30	PASS	BM		X	
S-398/S-408	E EOS / W EOS	09/28/14	5:24 PM	5:29 PM	30	30	PASS	BM		X	
S-407/S-408	N EOS / S EOS	09/28/14	5:29 PM	5:34 PM	30	30	PASS	BM		X	
S-405/S-406	S EOS / N EOS	09/28/14	5:25 PM	5:30 PM	30	30	PASS	BM		X	
S-398/S-405	E EOS / W EOS	09/28/14	5:32 PM	5:37 PM	30	30	PASS	BM		X	

Appendix K.7

**Primary Geomembrane
Acceptance Notifications**

LLDPE Geomembrane Liner Acceptance Form



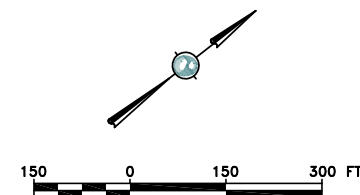
CLIENT: <u>Cripple Creek & Victor Mining Co.</u> PROJECT: <u>Squaw Gulch VLF PSSA</u> PROJECT NUMBER: <u>74201125N0</u>	Page <u>1</u> of <u>2</u> Weather <u>SUNNY</u> Date <u>9/11/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch PANEL P-178</u>	
Items Inspected: <u>Visual inspection of installed panels</u> <u>Visual inspection of wedge welds</u> <u>Visual inspection of extrusion welding</u> <u>Survey completed</u>	
Tests Completed: <u>Air testing on seams</u> <u>Vacuum box testing on extrusion welds</u> <u>Repairs and patches tested as required</u> <u>3rd party conformance tests</u>	
Deficient Items: <u>NONE</u>	
Remedial Action: <u>NONE</u>	
Accepted: Yes <u>X</u> No _____	
Explain: <u>APPROVED FOR RISER PIPE BASE PLATE INSTALLATION</u>	
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature]</u>	Other _____
CC&V <u>[Signature]</u>	Other _____

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LEGEND

ACCEPTED PRIMARY LLDPE LINER AREA



CLIENT Cripple Creek & Victor Mining Company
PROJECT Pregnant Solution Storage Area

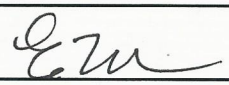
TITLE PRIMARY LINER ACCEPTANCE AREA
SEPTEMBER 11, 2014



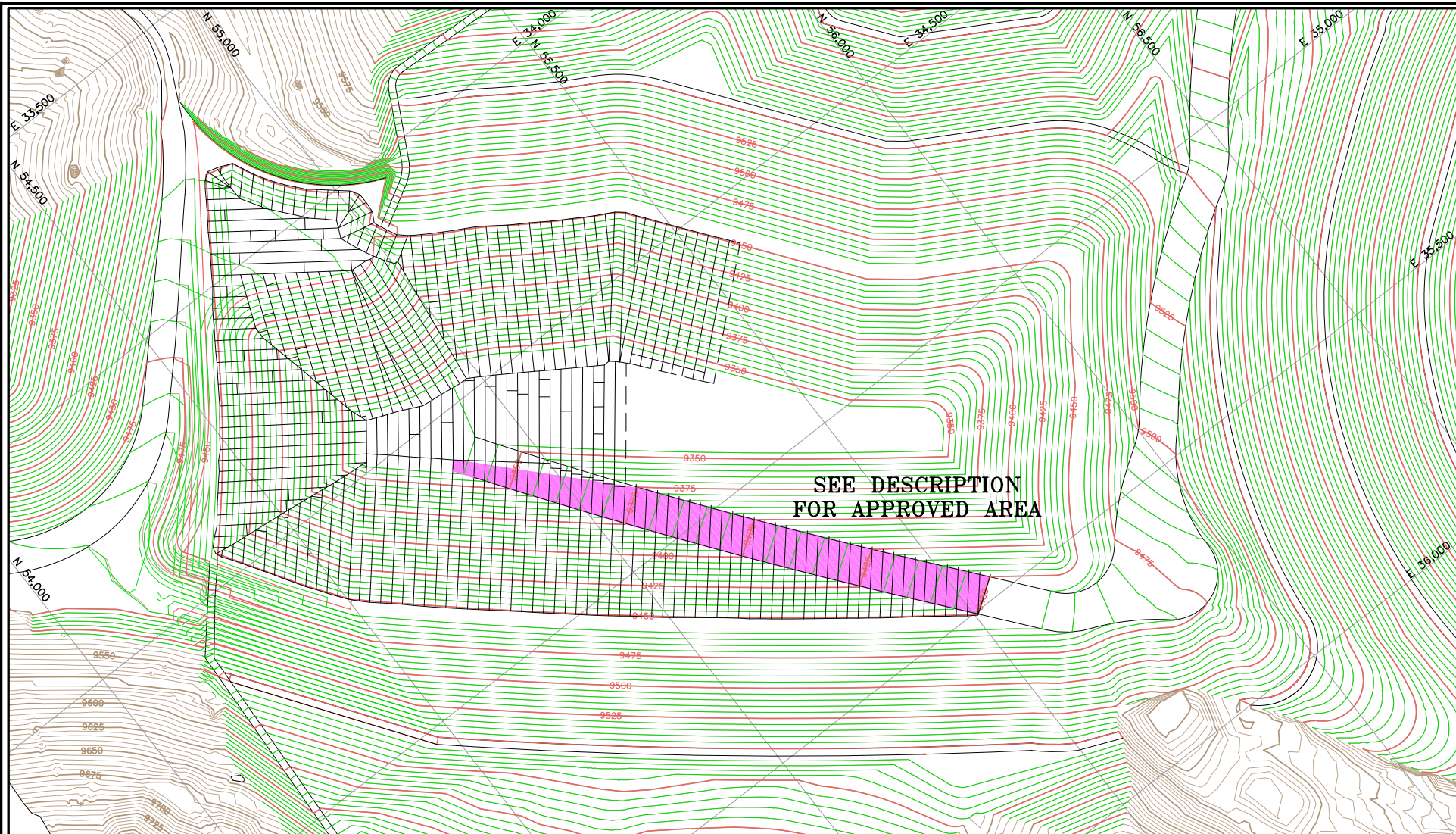
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LLDPE Geomembrane Liner
Acceptance Form



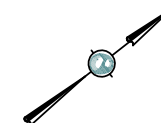
CLIENT: <u>Cripple Creek & Victor Mining Co.</u>	Page <u>1</u> of <u>2</u>
PROJECT: <u>Squaw Gulch VLF PSSA</u>	Weather <u>SUNNY</u>
PROJECT NUMBER: <u>74201125N0</u>	Date <u>9/15/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch PANELS - P-163 THROUGH P-213 ON</u> <u>ADR Haul Ramp ONLY.</u>	
Items Inspected: <u>Visual inspection of installed panels</u> <u>Visual inspection of wedge welds</u> <u>Visual inspection of extrusion welding</u> <u>Survey completed</u>	
Tests Completed: <u>Air testing on seams</u> <u>Vacuum box testing on extrusion welds</u> <u>Repairs and patches tested as required</u> <u>3rd party conformance tests</u>	
Deficient Items: <u>NONE</u>	
Remedial Action: <u>NONE NEEDED.</u>	
Accepted: Yes <u>X</u> No _____	
Explain: _____	
Signatures	
AMEC <u></u>	ECA _____
Ames <u></u>	Other _____
CC&V _____	Other _____

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LEGEND

ACCEPTED PRIMARY LLDPE LINER AREA



150 0 150 300 FT

CLIENT Cripple Creek & Victor Mining Company
PROJECT Pregnant Solution Storage Area

TITLE PRIMARY LINER ACCEPTANCE AREA
SEPTEMBER 15, 2014



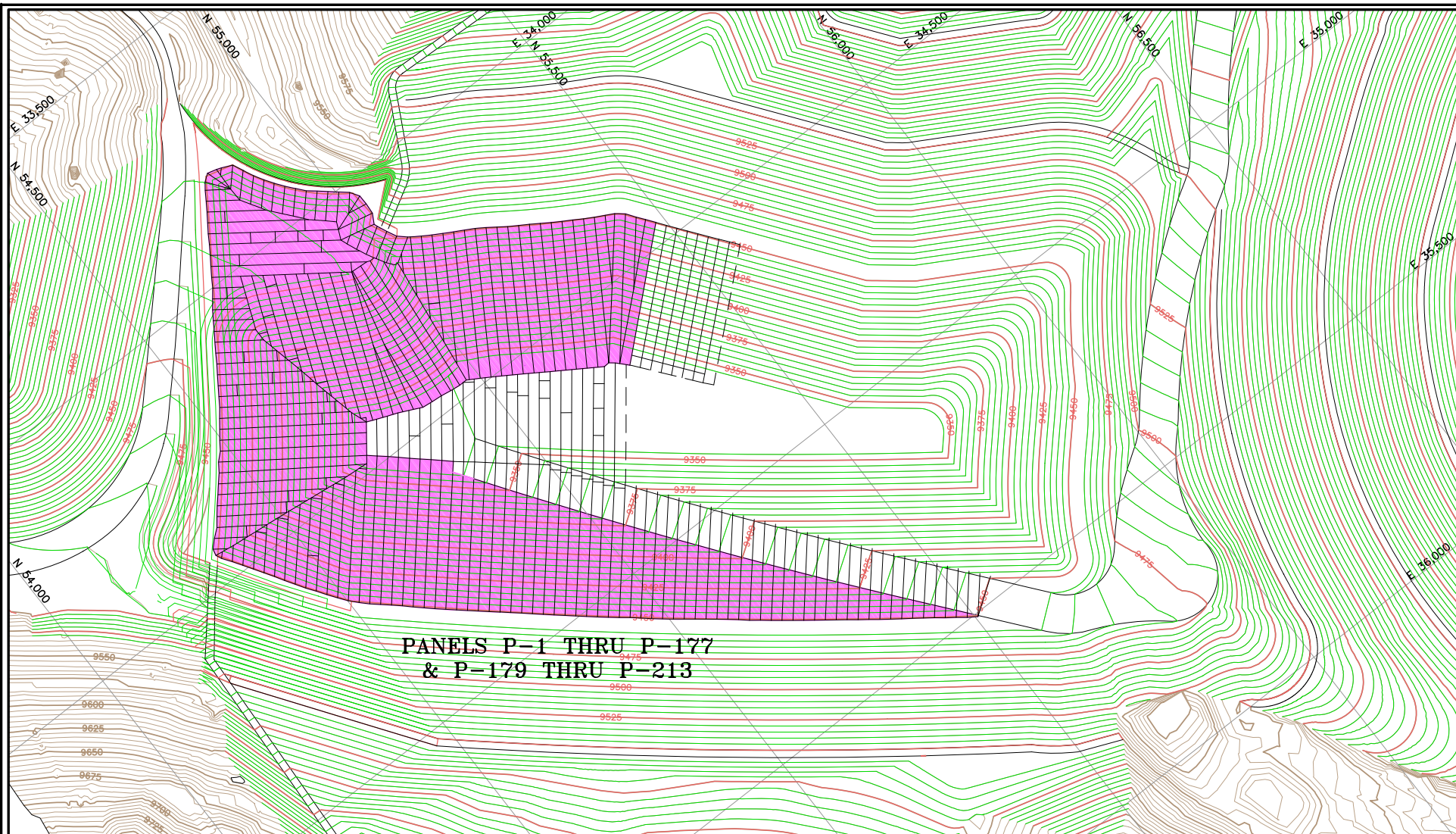
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DRAWN BY	MGC	APPROVED BY	ALM	09/15/14
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2014.09.15-1		1	0	

LLDPE Geomembrane Liner
Acceptance Form



CLIENT: <u>Cripple Creek & Victor Mining Co.</u>	Page <u>1</u> of <u>2</u>
PROJECT: <u>Squaw Gulch VLF PSSA</u>	Weather <u>Sunny</u>
PROJECT NUMBER: <u>74201125N0</u>	Date <u>9/15/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch PANELS P-1 THROUGH P177 AND P179 THROUGH P-213</u>	
Items Inspected:	<u>Visual inspection of installed panels</u>
	<u>Visual inspection of wedge welds</u>
	<u>Visual inspection of extrusion welding</u>
	<u>Survey completed</u>
Tests Completed:	<u>Air testing on seams</u>
	<u>Vacuum box testing on extrusion welds</u>
	<u>Repairs and patches tested as required</u>
	<u>3rd party conformance tests</u>
Deficient Items:	<u>NONE</u>
Remedial Action:	<u>NONE</u>
Accepted:	Yes <u>X</u> No _____
Explain:	_____
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature]</u>	Other _____
CC&V <u>[Signature]</u>	Other _____

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LEGEND

ACCEPTED PRIMARY LLDPE LINER AREA



150 0 150 300 FT

CLIENT Cripple Creek & Victor Mining Company
PROJECT Pregnant Solution Storage Area

TITLE PRIMARY LINER ACCEPTANCE AREA
SEPTEMBER 15, 2014



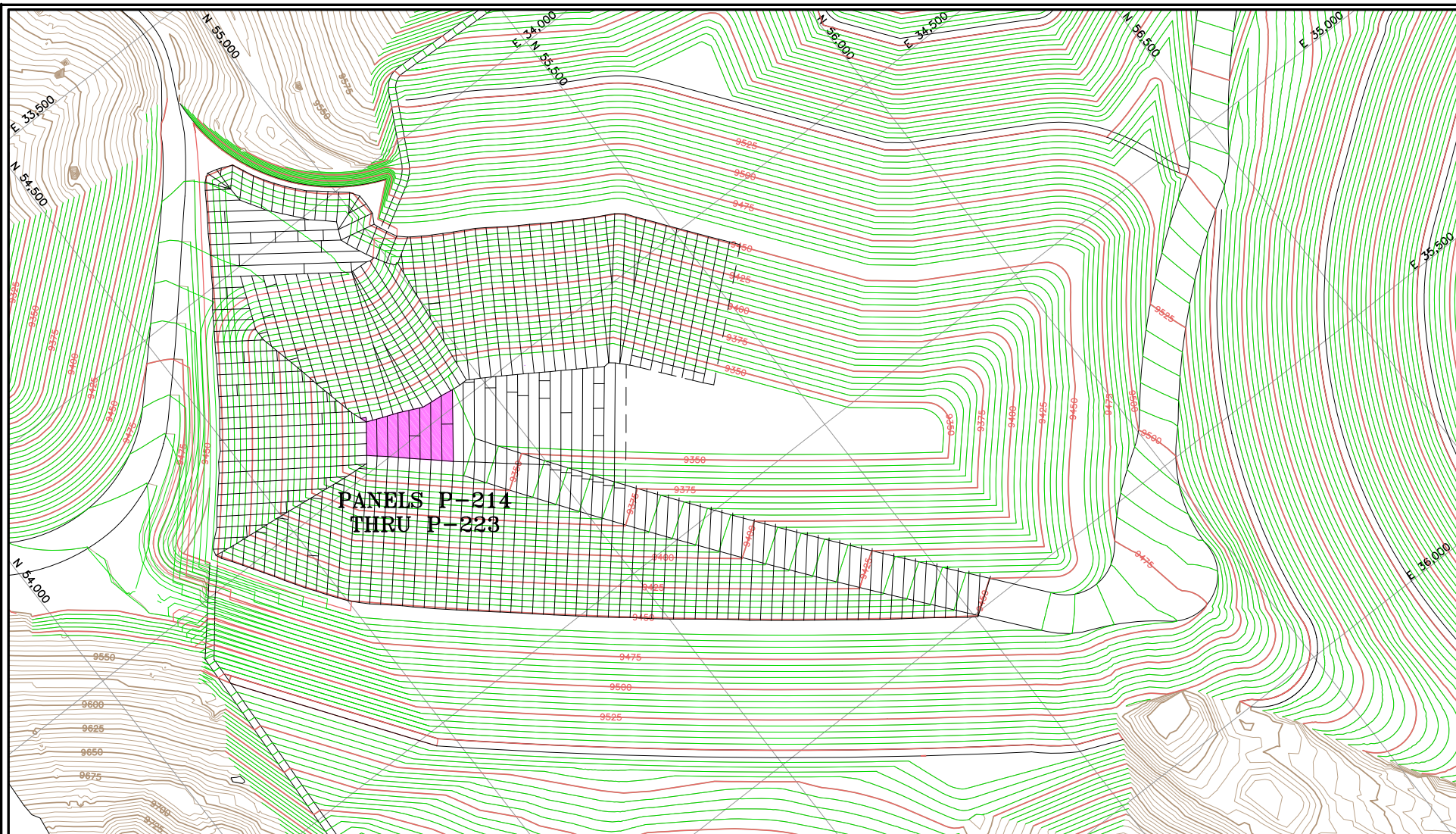
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2014.09.15-2		1	0	

LLDPE Geomembrane Liner
Acceptance Form



CLIENT: <u>Cripple Creek & Victor Mining Co.</u>	Page <u>1</u> of <u>2</u>
PROJECT: <u>Squaw Gulch VLF PSSA</u>	Weather <u>SUNNY</u>
PROJECT NUMBER: <u>74201125N0</u>	Date <u>9/17/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch PANELS P-214 THROUGH P-223</u>	
Items Inspected:	<u>Visual inspection of installed panels</u>
	<u>Visual inspection of wedge welds</u>
	<u>Visual inspection of extrusion welding</u>
	<u>Survey completed</u>
Tests Completed:	<u>Air testing on seams</u>
	<u>Vacuum box testing on extrusion welds</u>
	<u>Repairs and patches tested as required</u>
	<u>3rd party conformance tests</u>
Deficient Items:	<u>NONE</u>
Remedial Action:	<u>NONE</u>
Accepted:	Yes <u>X</u> No <u> </u>
Explain:	<u>APPROVED FOR DRAIN COVER FILL PLACEMENT.</u>
Signatures	
AMEC <u>[Signature]</u>	ECA <u> </u>
Ames <u>[Signature] Channing Brown</u>	Other <u> </u>
CC&V <u>[Signature]</u>	Other <u> </u>

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LEGEND

ACCEPTED PRIMARY LLDPE LINER AREA



150 0 150 300 FT

CLIENT Cripple Creek & Victor Mining Company
PROJECT Pregnant Solution Storage Area

TITLE PRIMARY LINER ACCEPTANCE AREA
SEPTEMBER 17, 2014



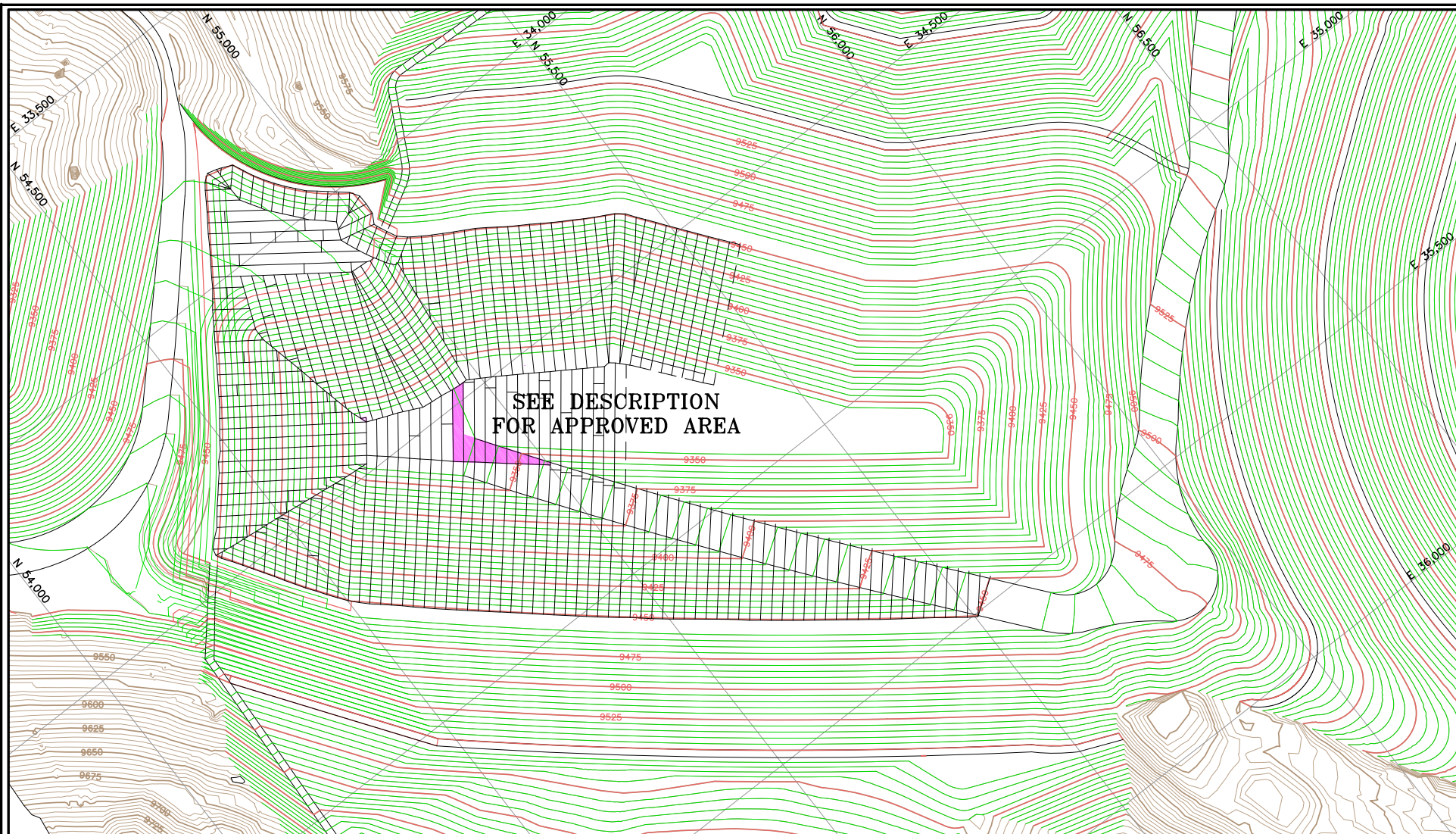
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2014.09.17-1		1	0	

**LLDPE Geomembrane Liner
Acceptance Form**



CLIENT: <u>Cripple Creek & Victor Mining Co.</u> PROJECT: <u>Squaw Gulch VLF PSSA</u> PROJECT NUMBER: <u>74201125N0</u>	Page <u>1</u> of <u>2</u> Weather <u>Sunny</u> Date <u>9/17/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner PANELS P-224, AND HAUL ROAD RAMP ON PANELS P-225 THROUGH P-236</u>	
Area/Location: <u>See attached sketch</u>	
Items Inspected: <u>Visual inspection of installed panels</u> <u>Visual inspection of wedge welds</u> <u>Visual inspection of extrusion welding</u> <u>Survey completed</u>	
Tests Completed: <u>Air testing on seams</u> <u>Vacuum box testing on extrusion welds</u> <u>Repairs and patches tested as required</u> <u>3rd party conformance tests</u>	
Deficient Items: <u>NONE</u>	
Remedial Action: <u>NONE</u>	
Accepted: Yes <u>X</u> No _____	
Explain: <u>APPROVED FOR DRAIN COVER PLACEMENT</u>	
Signatures AMEC <u>[Signature]</u> Ames <u>[Signature] Channing Brown</u> CC&V _____ ECA _____ Other _____ Other _____	

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LEGEND

ACCEPTED PRIMARY LLDPE LINER AREA



150 0 150 300 FT

CLIENT	CRIPPLE CREEK & VICTOR MINING COMPANY
PROJECT	PREGNANT SOLUTION STORAGE AREA

TITLE	PRIMARY LINER ACCEPTANCE AREA SEPTEMBER 17, 2014
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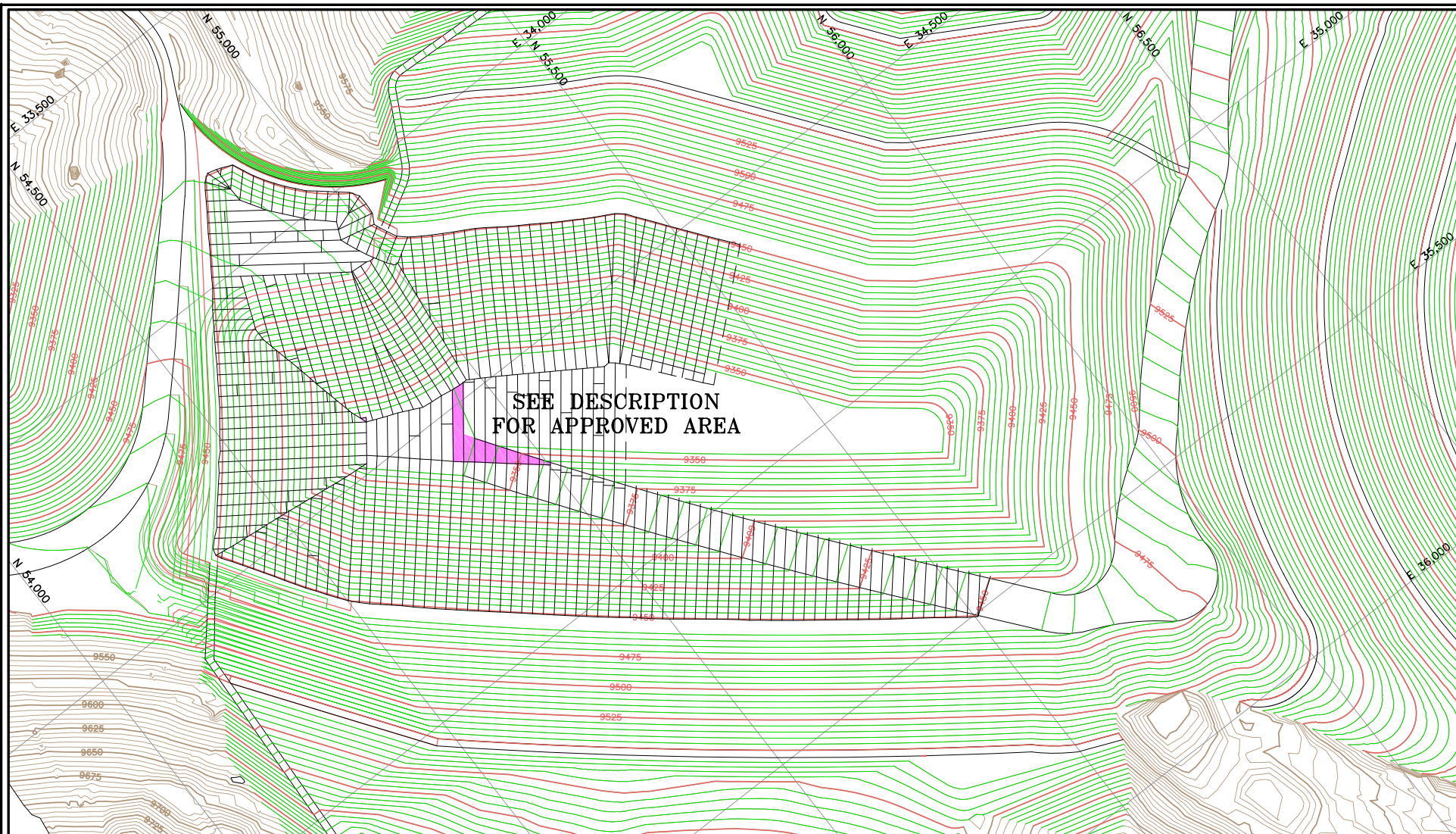
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DRAWN BY	MGC	APPROVED BY	ALM	09/17/14
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2014.09.17-2		1	0	

LLDPE Geomembrane Liner
Acceptance Form



CLIENT: <u>Cripple Creek & Victor Mining Co.</u>	Page <u>1</u> of <u>2</u>
PROJECT: <u>Squaw Gulch VLF PSSA</u>	Weather <u>Sunny</u>
PROJECT NUMBER: <u>74201125N0</u>	Date <u>9/17/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner PANELS P-224, AND HAUL ROAD RAMP ON PANELS P-225 THROUGH P-236</u>	
Area/Location: <u>See attached sketch</u>	
Items Inspected:	<u>Visual inspection of installed panels</u>
	<u>Visual inspection of wedge welds</u>
	<u>Visual inspection of extrusion welding</u>
	<u>Survey completed</u>
Tests Completed:	<u>Air testing on seams</u>
	<u>Vacuum box testing on extrusion welds</u>
	<u>Repairs and patches tested as required</u>
	<u>3rd party conformance tests</u>
Deficient Items:	<u>NONE</u>
Remedial Action:	<u>NONE</u>
Accepted:	Yes <u>X</u> No _____
Explain:	<u>APPROVED FOR DRAIN COVER PLACEMENT</u>
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature] Channing Brown</u>	Other _____
CC&V _____	Other _____

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LEGEND

ACCEPTED PRIMARY LLDPE LINER AREA



150 0 150 300 FT

CLIENT	CRIPPLE CREEK & VICTOR MINING COMPANY
PROJECT	PREGNANT SOLUTION STORAGE AREA

TITLE	PRIMARY LINER ACCEPTANCE AREA SEPTEMBER 17, 2014
-------	---



DESIGNED BY	RBR	CHECKED BY	TB	DATE
DRAWN BY	MGC	APPROVED BY	ALM	09/17/14
CADD FILENAME		FIGURE No.	REV	
2014.09.17-2		1	0	

**LLDPE Geomembrane Liner
Acceptance Form**



CLIENT: <u>Cripple Creek & Victor Mining Co.</u> PROJECT: <u>Squaw Gulch VLF PSSA</u> PROJECT NUMBER: <u>74201125N0</u>	Page <u>1</u> of <u>2</u> Weather <u>SUNNY</u> Date <u>9/20/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch PANELS P-225 THROUGH P-249</u>	
Items Inspected: <u>Visual inspection of installed panels</u> <u>Visual inspection of wedge welds</u> <u>Visual inspection of extrusion welding</u> <u>Survey completed</u>	
Tests Completed: <u>Air testing on seams</u> <u>Vacuum box testing on extrusion welds</u> <u>Repairs and patches tested as required</u> <u>3rd party conformance tests</u>	
Deficient Items: <u>NONE</u>	
Remedial Action: <u>NONE</u>	
Accepted: Yes <u>X</u> No _____ Explain: _____ _____ _____	
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature]</u>	Other _____
CC&V <u>[Signature]</u>	Other _____

LLDPE Geomembrane Liner Acceptance Form



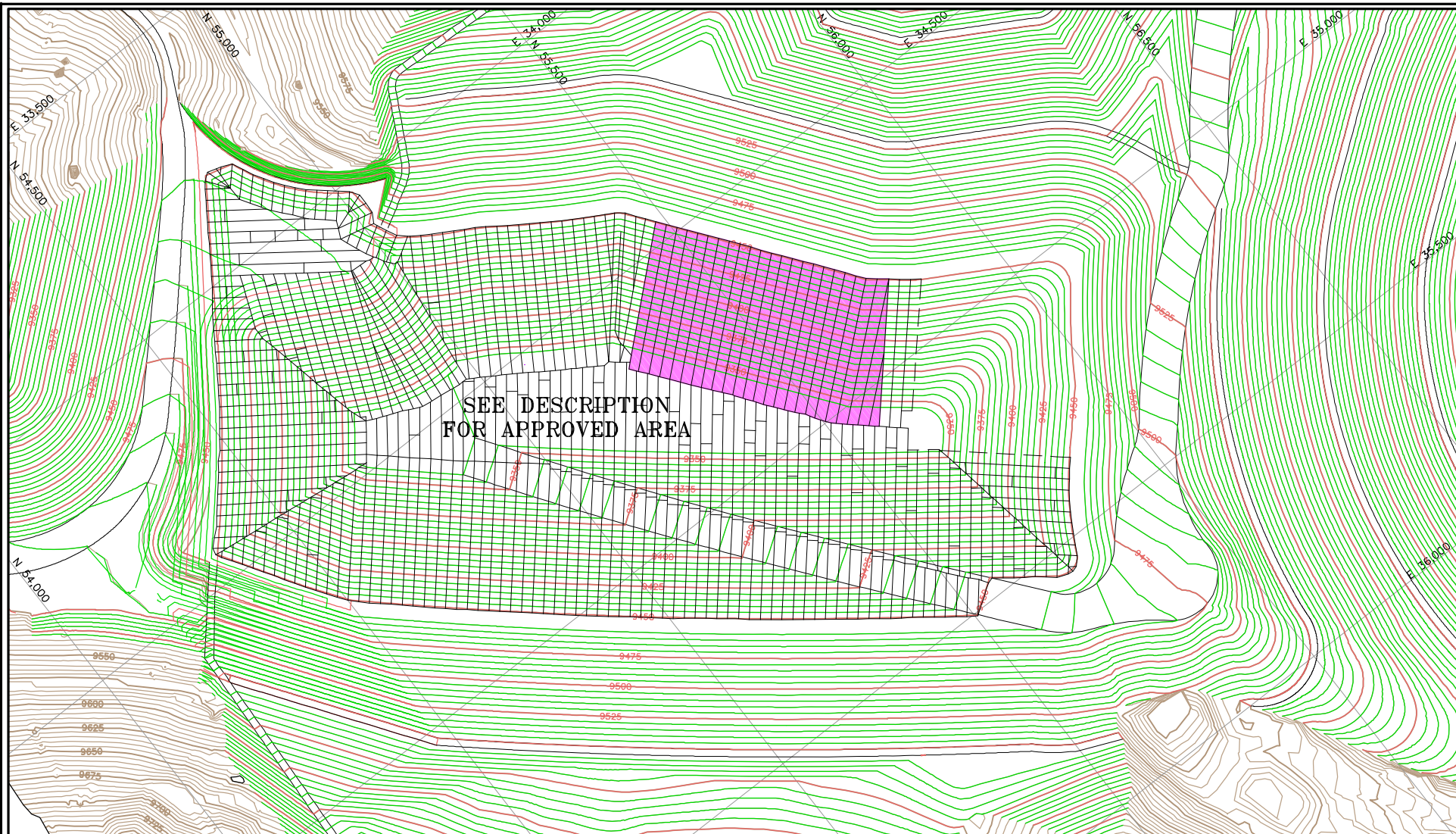
CLIENT: <u>Cripple Creek & Victor Mining Co.</u> PROJECT: <u>Squaw Gulch VLF PSSA</u> PROJECT NUMBER: <u>74201125N0</u>	Page <u>1</u> of <u>2</u> Weather <u>Sunny</u> Date <u>9/24/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner APPROVED FOR DRAIN COVER</u>	
Area/Location: <u>See attached sketch - APPROVED FOR DRAIN COVER FILL PLACEMENT TO ACCESS NORTH END OF POND. PANEL P249 THROUGH P312 WEST 20' OF PANEL TO TOE OF WEST SLOPE</u>	
Items <u>Visual inspection of installed panels</u>	
Inspected: <u>Visual inspection of wedge welds</u>	
<u>Visual inspection of extrusion welding</u>	
<u>Survey completed</u>	
Tests <u>Air testing on seams</u>	
Completed: <u>Vacuum box testing on extrusion welds</u>	
<u>Repairs and patches tested as required</u>	
<u>3rd party conformance tests</u>	
Deficient <u>NONE</u> Items:	
Remedial <u>NONE</u> Action:	
Accepted: Yes <u>X</u> No _____	
Explain: <u>APPROVED FOR DRAIN COVER PLACEMENT</u>	
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature] Charming Brown</u>	Other _____
CC&V _____	Other _____

LLDPE Geomembrane Liner Acceptance Form



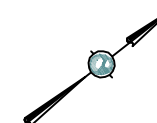
CLIENT: <u>Cripple Creek & Victor Mining Co.</u> PROJECT: <u>Squaw Gulch VLF PSSA</u> PROJECT NUMBER: <u>74201125N0</u>	Page <u>1</u> of <u>2</u> Weather <u>Sunny</u> Date <u>9/25/14</u>						
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>							
Area/Location: <u>See attached sketch - PANELS P-250 through P-291 AND</u>							
Items Inspected: <u>Visual inspection of installed panels</u> <u>Visual inspection of wedge welds</u> <u>Visual inspection of extrusion welding</u> <u>Survey completed</u>							
Tests Completed: <u>Air testing on seams</u> <u>Vacuum box testing on extrusion welds</u> <u>Repairs and patches tested as required</u> <u>3rd party conformance tests</u>							
Deficient Items: <u>NONE</u>							
Remedial Action: <u>NONE</u>							
Accepted: Yes <u>X</u> No _____ Explain: _____							
Signatures <table style="width: 100%;"> <tr> <td style="width: 50%;"> AMEC <u>[Signature]</u> </td> <td style="width: 50%;"> ECA _____ </td> </tr> <tr> <td> Ames <u>[Signature] Channing Brown</u> </td> <td> Other _____ </td> </tr> <tr> <td> CC&V _____ </td> <td> Other _____ </td> </tr> </table>		AMEC <u>[Signature]</u>	ECA _____	Ames <u>[Signature] Channing Brown</u>	Other _____	CC&V _____	Other _____
AMEC <u>[Signature]</u>	ECA _____						
Ames <u>[Signature] Channing Brown</u>	Other _____						
CC&V _____	Other _____						

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LEGEND

ACCEPTED PRIMARY LLDPE LINER AREA



150 0 150 300 FT

CLIENT Cripple Creek & Victor
Mining Company

PROJECT Pregnant Solution Storage Area

TITLE

PRIMARY LINER ACCEPTANCE AREA
SEPTEMBER 25, 2014



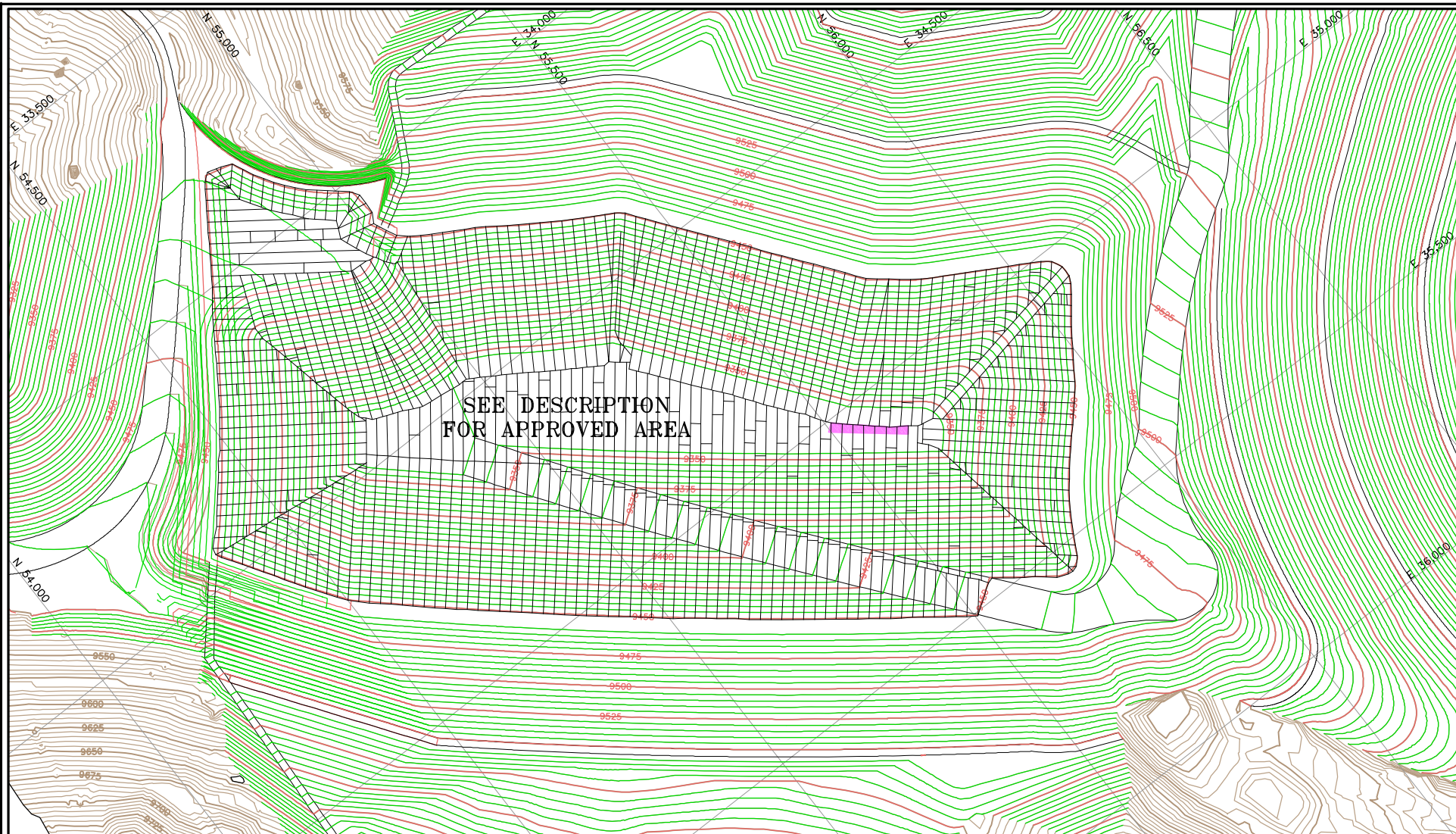
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2014.09.25		1	0	

LLDPE Geomembrane Liner
Acceptance Form



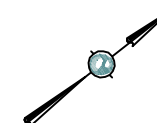
CLIENT: <u>Cripple Creek & Victor Mining Co.</u>	Page <u>1</u> of <u>2</u>
PROJECT: <u>Squaw Gulch VLF PSSA</u>	Weather <u>SUNNY</u>
PROJECT NUMBER: <u>74201125N0</u>	Date <u>9/26/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch PANELS P-314 THROUGH P-327 WEST END OF SEAM TO 20' EAST</u>	
Items Inspected:	<u>Visual inspection of installed panels</u>
	<u>Visual inspection of wedge welds</u>
	<u>Visual inspection of extrusion welding</u>
	<u>Survey completed</u>
Tests Completed:	<u>Air testing on seams</u>
	<u>Vacuum box testing on extrusion welds</u>
	<u>Repairs and patches tested as required</u>
	<u>3rd party conformance tests</u>
Deficient Items:	<u>NONE</u>
Remedial Action:	<u>NONE</u>
Accepted:	Yes <u>X</u> No _____
Explain:	_____
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature]</u>	Other _____
CC&V <u>[Signature]</u>	Other _____

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LEGEND

ACCEPTED PRIMARY LLDPE LINER AREA



150 0 150 300 FT

CLIENT **CRIPPLE CREEK & VICTOR
MINING COMPANY**

PROJECT **PREGNANT SOLUTION STORAGE AREA**

TITLE **PRIMARY LINER ACCEPTANCE AREA
SEPTEMBER 26, 2014**



DESIGNED BY	RBR	CHECKED BY	TB	DATE
DRAWN BY	MGC	APPROVED BY	ALM	09/26/14
CADD FILENAME		FIGURE No.	REV	
2014.09.26		1	0	

LLDPE Geomembrane Liner
Acceptance Form



CLIENT: <u>Cripple Creek & Victor Mining Co.</u>	Page <u>1</u> of <u>2</u>
PROJECT: <u>Squaw Gulch VLF PSSA</u>	Weather <u>sunny</u>
PROJECT NUMBER: <u>74201125N0</u>	Date <u>9/28/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch PANELS P-267 THROUGH P-325</u> <u>EAST SLOPE ONLY</u>	
Items Inspected:	<u>Visual inspection of installed panels</u>
	<u>Visual inspection of wedge welds</u>
	<u>Visual inspection of extrusion welding</u>
	<u>Survey completed</u>
Tests Completed:	<u>Air testing on seams</u>
	<u>Vacuum box testing on extrusion welds</u>
	<u>Repairs and patches tested as required</u>
	<u>3rd party conformance tests</u>
Deficient Items:	<u>NONE</u>
Remedial Action:	<u>NONE</u>
Accepted:	Yes <u>X</u> No _____
Explain:	<u>APPROVED FOR DRAIN COVER PLACEMENT</u>
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature]</u> <u>Channing Brown</u>	Other _____
CC&V _____	Other _____

LLDPE Geomembrane Liner
Acceptance Form



CLIENT: <u>Cripple Creek & Victor Mining Co.</u>	Page <u>1</u> of <u>2</u>
PROJECT: <u>Squaw Gulch VLF PSSA</u>	Weather <u>SUNNY</u>
PROJECT NUMBER: <u>74201125N0</u>	Date <u>9/30/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch - REMAINING AREA OF PANELS P281 THROUGH P325</u>	
Items Inspected:	<u>Visual inspection of installed panels</u>
	<u>Visual inspection of wedge welds</u>
	<u>Visual inspection of extrusion welding</u>
	<u>Survey completed</u>
Tests Completed:	<u>Air testing on seams</u>
	<u>Vacuum box testing on extrusion welds</u>
	<u>Repairs and patches tested as required</u>
	<u>3rd party conformance tests</u>
Deficient Items:	<u>NONE</u>
Remedial Action:	<u>NONE</u>
Accepted:	Yes <u>X</u> No _____
Explain:	<u>APPROVED FOR DRAIN COVER PLACEMENT.</u>
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature] Channing Brown</u>	Other _____
CC&V _____	Other _____

**LLDPE Geomembrane Liner
Acceptance Form**



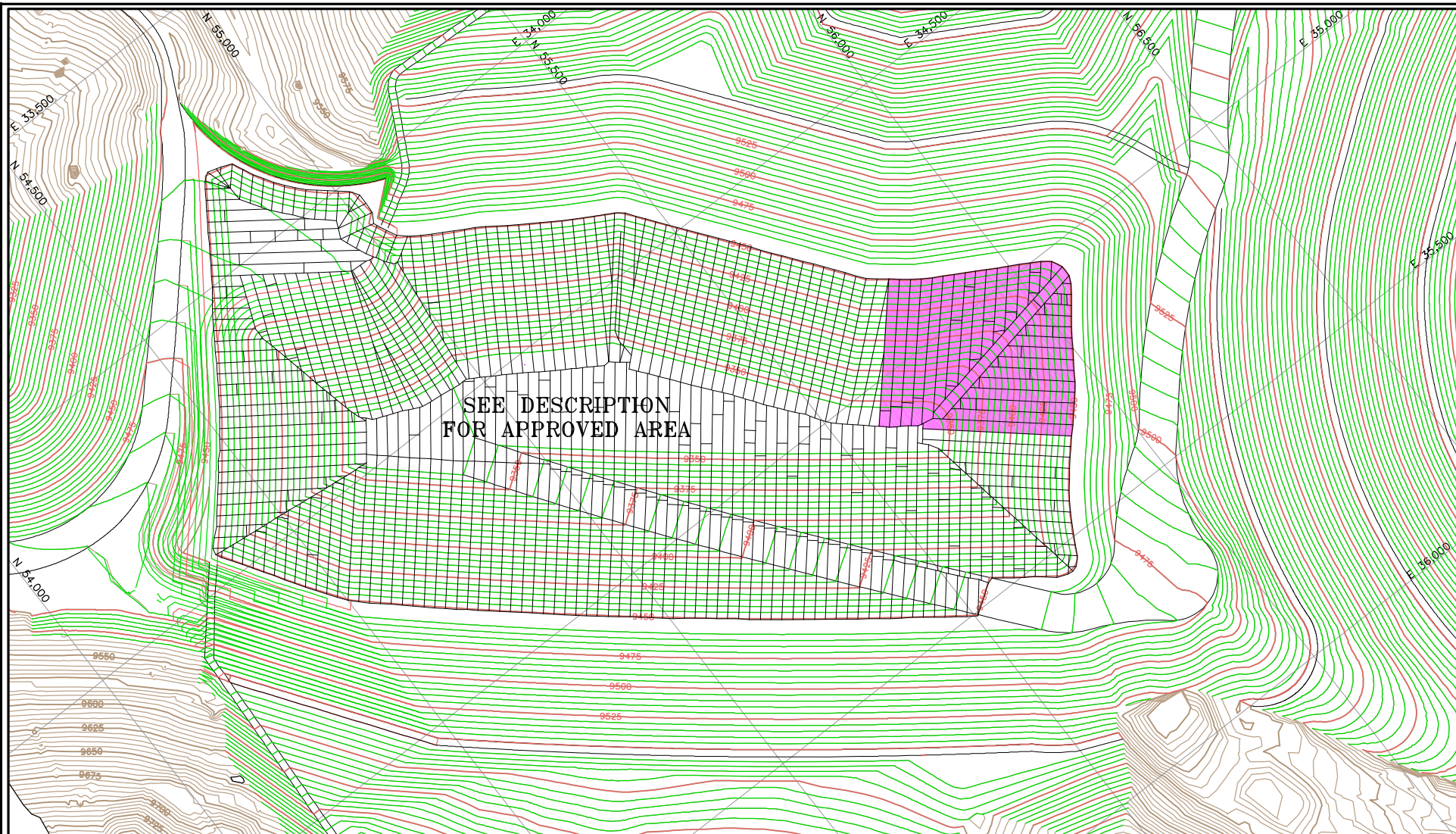
CLIENT: <u>Cripple Creek & Victor Mining Co.</u> PROJECT: <u>Squaw Gulch VLF PSSA</u> PROJECT NUMBER: <u>74201125N0</u>	Page <u>1</u> of <u>2</u> Weather <u>SUNNY</u> Date <u>10/6/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch PANELS P-326 THROUGH P-372, P-398 THROUGH P-399 AND P-429</u>	
Items Inspected: <u>Visual inspection of installed panels</u> <u>Visual inspection of wedge welds</u> <u>Visual inspection of extrusion welding</u> <u>Survey completed</u>	
Tests Completed: <u>Air testing on seams</u> <u>Vacuum box testing on extrusion welds</u> <u>Repairs and patches tested as required</u> <u>3rd party conformance tests</u>	
Deficient Items: <u>NONE</u>	
Remedial Action: <u>NONE</u>	
Accepted: Yes <u>X</u> No _____	
Explain: <u>APPROVED FOR DRAIN COVER PLACEMENT</u>	
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature] Channing Brown</u>	Other _____
CC&V _____	Other _____

LLDPE Geomembrane Liner
Acceptance Form



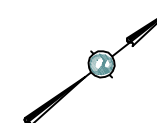
CLIENT: <u>Cripple Creek & Victor Mining Co.</u>	Page <u>1</u> of <u>2</u>
PROJECT: <u>Squaw Gulch VLF PSSA</u>	Weather <u>SUNNY</u>
PROJECT NUMBER: <u>74201125N0</u>	Date <u>10/7/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch PANELS P-292 THROUGH P-295 AND P-373 THROUGH P-428</u>	
Items Inspected:	<u>Visual inspection of installed panels</u>
	<u>Visual inspection of wedge welds</u>
	<u>Visual inspection of extrusion welding</u>
	<u>Survey completed</u>
Tests Completed:	<u>Air testing on seams</u>
	<u>Vacuum box testing on extrusion welds</u>
	<u>Repairs and patches tested as required</u>
	<u>3rd party conformance tests</u>
Deficient Items:	<u>NONE</u>
Remedial Action:	<u>NONE</u>
Accepted:	Yes <u>X</u> No <u> </u>
Explain:	<u>APPROVED FOR DRAIN COVER PLACEMENT</u>
Signatures	
AMEC <u>[Signature]</u>	ECA <u> </u>
Ames <u>[Signature] Channing Brown</u>	Other <u> </u>
CC&V <u> </u>	Other <u> </u>

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LEGEND

ACCEPTED PRIMARY LLDPE LINER AREA



150 0 150 300 FT

CLIENT Cripple Creek & Victor
Mining Company

PROJECT Pregnant Solution Storage Area

TITLE PRIMARY LINER ACCEPTANCE AREA
OCTOBER 7, 2014



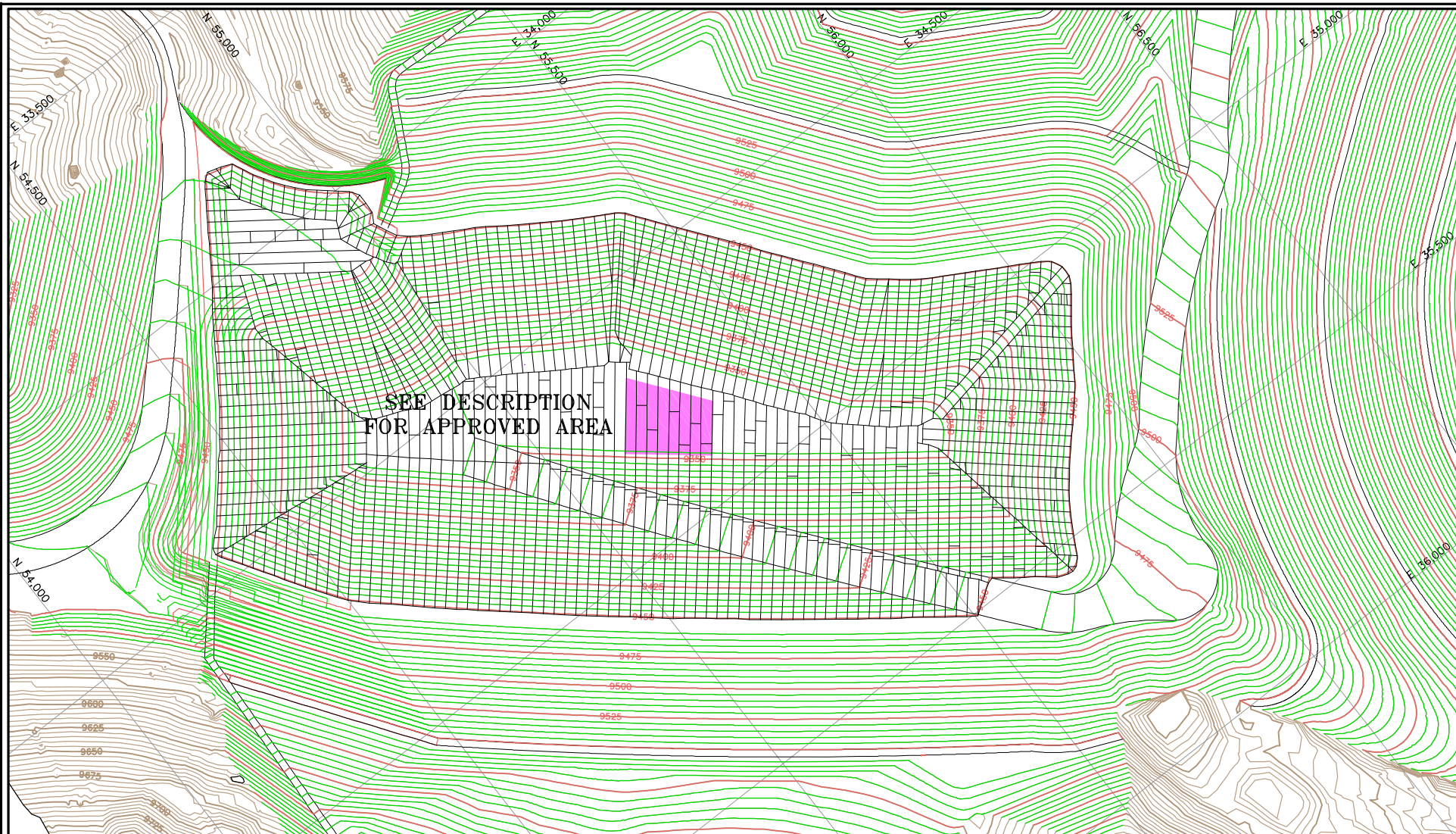
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DRAWN BY	MGC	APPROVED BY	ALM	10/07/14
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2014.10.07		1	0	

LLDPE Geomembrane Liner
Acceptance Form



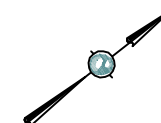
CLIENT: <u>Cripple Creek & Victor Mining Co.</u>	Page <u>1</u> of <u>2</u>
PROJECT: <u>Squaw Gulch VLF PSSA</u>	Weather <u>CLOUDY</u>
PROJECT NUMBER: <u>74201125N0</u>	Date <u>10/9/14</u>
Work Activity: <u>100-mil LLDPE Geomembrane Liner</u>	
Area/Location: <u>See attached sketch REMAIN AREA AT PSSA FLOOR PANELS P-267 THROUGH P-280</u>	
Items Inspected: <u>Visual inspection of installed panels</u> <u>Visual inspection of wedge welds</u> <u>Visual inspection of extrusion welding</u> <u>Survey completed</u>	
Tests Completed: <u>Air testing on seams</u> <u>Vacuum box testing on extrusion welds</u> <u>Repairs and patches tested as required</u> <u>3rd party conformance tests</u>	
Deficient Items: _____ _____ _____	
Remedial Action: _____ _____	
Accepted: Yes <u>X</u> No _____	
Explain: <u>APPROVED FOR DRAIN COVER PLACEMENT</u>	
Signatures	
AMEC <u>[Signature]</u>	ECA _____
Ames <u>[Signature] Channing Brown</u>	Other _____
CC&V _____	Other _____

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LEGEND

 ACCEPTED PRIMARY LLDPE LINER AREA



150 0 150 300 FT

CLIENT Cripple Creek & Victor
Mining Company
PROJECT Pregnant Solution Storage Area

TITLE
PRIMARY LINER ACCEPTANCE AREA
OCTOBER 9, 2014



DESIGNED BY	RBR	CHECKED BY	TB	DATE
DRAWN BY	MGC	APPROVED BY	ALM	10/09/14
CADD FILENAME			FIGURE No.	REV
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