



APPENDIX J– PRIMARY GEOMEMBRANE INSTALLATION SUMMARIES

APPENDIX J.1 – PRIMARY GEOMEMBRANE DEPLOYMENT SUMMARY

APPENDIX J.2 – PRIMARY GEOMEMBRANE TRIAL SEAM SUMMARIES

APPENDIX J.3 – PRIMARY GEOMEMBRANE FUSION WELDING SUMMARY

APPENDIX J.4 – PRIMARY GEOMEMBRANE EXTRUSION WELDING SUMMARY

APPENDIX J.5 – PRIMARY GEOMEMBRANE DESTRUCTIVE TESTING SUMMARIES

APPENDIX J.6 – PRIMARY GEOMEMBRANE PRESSURE TESTING SUMMARY

APPENDIX J.7 – PRIMARY GEOMEMBRANE DEFECT/REPAIR SUMMARY

APPENDIX J.8 – PRIMARY GEOMEMBRANE ACCEPTANCE FORMS



APPENDIX J.1 – PRIMARY GEOMEMBRANE DEPLOYMENT SUMMARY

Cripple Creek & Victor Gold Mining Company

Valley Leach Facility 2 Phase 3

Stage A.1 Record of Construction

Primary 100-mil Geomembrane Panel Deployment Summary



Deployment Date	Panel Number	Roll Number	Ambient Temp. (°F)	Average Thickness (mil)	QA Monitor	Approximate Quantities			Surveyed Quantities		Remarks
						Length (ft)	Width (ft)	Area (ft²)	Area (ft²)	Cumulative Area (ft²)	
9/20/2022	P1	0005	60	100	GF	98.5	22.5	2,216	2,162	2,162	
9/20/2022	P2	0005	60	100	GF	97.5	22.5	2,194	2,105	4,266	
9/20/2022	P3	0005	60	100	GF	96	22.5	2,160	2,037	6,304	
9/20/2022	P4	0006	60	100	GF	93	22.5	2,093	1,985	8,288	
9/20/2022	P5	0006	60	100	GF	90	22.5	2,025	1,917	10,205	
9/20/2022	P6	0006	60	100	GF	68.5	22.5	1,541	1,489	11,694	
9/20/2022	P7	0006	60	100	GF	42.5	22.5	956	900	12,594	
9/20/2022	P8	0008	60	100	GF	17	22.5	383	307	12,901	
9/20/2022	P9	0010	60	100	GF	16.5	22.5	371	271	13,173	
9/20/2022	P10	0010	60	100	GF	36	22.5	810	778	13,951	
9/20/2022	P11	0008	60	100	GF	58	22.5	1,305	1,234	15,184	
9/20/2022	P12		60	100	GF	78.5	22.5	1,766	1,729	16,914	
9/20/2022	P13	0008	60	100	GF	87	22.5	1,958	1,874	18,788	
9/20/2022	P14	0010	60	100	GF	87.5	22.5	1,969	1,837	20,624	
9/20/2022	P15	0010	60	100	GF	86.5	22.5	1,946	1,855	22,479	
9/20/2022	P16	0011	60	100	GF	85.5	22.5	1,924	1,875	24,354	
9/20/2022	P17	0011	60	100	GF	90.5	22.5	2,036	1,946	26,301	
9/20/2022	P18	0011	60	100	GF	92	22.5	2,070	2,000	28,301	
9/20/2022	P19	0007	60	100	GF	95	22.5	2,138	2,065	30,366	
9/20/2022	P20	0007	60	100	GF	98.5	22.5	2,216	2,085	32,451	
9/20/2022	P21	0007	60	100	GF	100.5	22.5	2,261	2,128	34,579	
9/21/2022	P22	0067	50	100	GF	100	22.5	2,250	2,196	36,776	
9/21/2022	P23	0067	50	100	GF	100	22.5	2,250	2,150	38,925	
9/21/2022	P24	0067	50	100	GF	101	22.5	2,273	2,217	41,142	
9/21/2022	P25	0066	50	100	GF	72.5	22.5	1,631	1,553	42,695	
9/21/2022	P26	0066	50	100	GF	17.5	18	315	192	42,887	
9/21/2022	P27	0066	50	100	GF	83	22.5	1,868	1,840	44,727	
9/21/2022	P28	0006	50	100	GF	20.5	15	308	204	44,932	
9/21/2022	P29	0006	50	100	GF	98.5	22.5	2,216	1,964	46,896	

Cripple Creek & Victor Gold Mining Company

Valley Leach Facility 2 Phase 3

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Deployment Date	Panel Number	Roll Number	Ambient Temp. (°F)	Average Thickness (mil)	QA Monitor	Approximate Quantities			Surveyed Quantities		Remarks
						Length (ft)	Width (ft)	Area (ft²)	Area (ft²)	Cumulative Area (ft²)	
9/21/2022	P30	0064	50	100	GF	6	22.5	135	254	47,149	
9/21/2022	P31	0064	50	100	GF	107.5	22.5	2,419	2,246	49,395	
9/21/2022	P32	0064	50	100	GF	108.5	22.5	2,441	2,307	51,702	
9/21/2022	P33	0072	50	100	GF	110	22.5	2,475	2,323	54,025	
9/21/2022	P34	0072	50	100	GF	110	22.5	2,475	2,392	56,417	
9/21/2022	P35	0075	50	100	GF	110.5	22.5	2,486	2,396	58,813	
9/21/2022	P36	0075	50	100	GF	112.5	22.5	2,531	2,447	61,260	
9/21/2022	P37	0074	50	100	GF	113	22.5	2,543	2,428	63,689	
9/21/2022	P38	0074	50	100	GF	115	22.5	2,588	2,456	66,144	
9/21/2022	P39	0013	50	100	GF	117.5	22.5	2,644	2,467	68,612	
9/21/2022	P40	0013	50	100	GF	119.5	22.5	2,689	2,519	71,131	
9/21/2022	P41	0073	50	100	GF	122	22.5	2,745	2,542	73,673	
9/21/2022	P42	0073	50	100	GF	124	22.5	2,790	2,596	76,268	
9/21/2022	P43	0069	50	100	GF	128	22.5	2,880	2,699	78,967	
9/23/2022	P44	0069	40	100	GF	131.5	22.5	2,959	2,839	81,806	
9/23/2022	P45	0024	40	100	GF	133.5	22.5	3,004	2,893	84,700	
9/23/2022	P46	0024	40	100	GF	134	22.5	3,015	2,744	87,443	
9/23/2022	P47	0022	45	100	GF	326	22.5	7,335	7,029	94,472	
9/23/2022	P48	0024	45	100	GF	50	22.5	1,125	1,121	95,593	
9/23/2022	P49	0016	45	100	GF	335	22.5	7,538	6,947	102,540	
9/23/2022	P50	0010	50	100	GF	42	22.5	945	921	103,460	
9/23/2022	P51	0004	50	100	GF	335	22.5	7,538	6,987	110,448	
9/23/2022	P52	0073	50	100	GF	52	22.5	1,170	1,021	111,469	
9/23/2022	P53	0069	50	100	GF	52	22.5	1,170	1,118	112,587	
9/23/2022	P54	0074	50	100	GF	77	22.5	1,733	1,575	114,162	
9/23/2022	P55	0014	50	100	GF	335	22.5	7,538	6,724	120,886	
9/23/2022	P56	0013	50	100	GF	82	22.5	1,845	1,761	122,647	
9/23/2022	P57	0064	50	100	GF	92	22.5	2,070	1,930	124,577	
9/23/2022	P58	0009	50	100	GF	335	22.5	7,538	6,908	131,485	

Cripple Creek & Victor Gold Mining Company

Valley Leach Facility 2 Phase 3

Stage A.1 Record of Construction

Primary 100-mil Geomembrane Panel Deployment Summary



Deployment Date	Panel Number	Roll Number	Ambient Temp. (°F)	Average Thickness (mil)	QA Monitor	Approximate Quantities			Surveyed Quantities		Remarks
						Length (ft)	Width (ft)	Area (ft²)	Area (ft²)	Cumulative Area (ft²)	
9/23/2022	P59	0072	50	100	GF	99	22.5	2,228	2,103	133,588	
9/23/2022	P60	0075	50	100	GF	93	22.5	2,093	1,999	135,587	
9/23/2022	P61	0012	50	100	GF	320	22.5	7,200	7,050	142,636	
9/23/2022	P62	0015	60	100	GF	240	22.5	5,400	5,309	147,946	
9/23/2022	P63	0015	60	100	GF	20	22.5	450	377	148,323	
9/23/2022	P64	0053	60	100	GF	335	22.5	7,538	7,240	155,562	
9/23/2022	P65	0037	60	100	GF	256	22.5	5,760	5,599	161,162	
9/23/2022	P66	0037	60	100	GF	60	22.5	1,350	1,348	162,510	
9/23/2022	P67	0039	60	100	GF	331	22.5	7,448	7,386	169,896	
9/23/2022	P68	0025	60	100	GF	177	22.5	3,983	3,691	173,587	
9/23/2022	P69	0025	60	100	GF	157	22.5	3,533	3,102	176,690	
9/23/2022	P70	0029	60	100	GF	335	22.5	7,538	7,333	184,022	
9/23/2022	P71	0015	60	100	GF	73	22.5	1,643	1,543	185,566	
9/23/2022	P72	0038	60	100	GF	335	22.5	7,538	7,025	192,590	
9/23/2022	P73	0031	60	100	GF	219	22.5	4,928	4,557	197,147	
9/26/2022	P74	0021	45	100	GF	119	22.5	2,678	2,503	199,650	
9/26/2022	P75	0021	45	100	GF	106.5	22.5	2,396	2,227	201,878	
9/26/2022	P76	0017	45	100	GF	95	22.5	2,138	1,947	203,825	
9/26/2022	P77	0017	45	100	GF	82	22.5	1,845	1,427	205,252	
9/26/2022	P78	0017	45	100	GF	65.5	22.5	1,474	1,427	206,678	
9/26/2022	P79	0021	45	100	GF	49.5	22.5	1,114	1,119	207,797	
9/26/2022	P80	0017	45	100	GF	36	22.5	810	755	208,552	
9/26/2022	P81	0031	45	100	GF	20	22.5	450	432	208,983	
9/26/2022	P82	0031	45	100	GF	13	22.5	293	72	209,055	
9/26/2022	P83	0032	45	100	GF	118	22.5	2,655	2,657	211,712	
9/26/2022	P84	0032	45	100	GF	112.5	22.5	2,531	2,430	214,142	
9/26/2022	P85	0023	45	100	GF	99	22.5	2,228	2,108	216,251	
9/26/2022	P86	0023	50	100	GF	85	22.5	1,913	1,775	218,026	
9/26/2022	P87	0023	50	100	GF	78.5	22.5	1,766	1,432	219,458	

Cripple Creek & Victor Gold Mining Company

Valley Leach Facility 2 Phase 3

Stage A.1 Record of Construction

Primary 100-mil Geomembrane Panel Deployment Summary



Deployment Date	Panel Number	Roll Number	Ambient Temp. (°F)	Average Thickness (mil)	QA Monitor	Approximate Quantities			Surveyed Quantities		Remarks
						Length (ft)	Width (ft)	Area (ft²)	Area (ft²)	Cumulative Area (ft²)	
9/26/2022	P88	0036	50	100	GF	62	22.5	1,395	1,135	220,593	
9/26/2022	P89	0032	50	100	GF	35.5	22.5	799	736	221,329	
9/26/2022	P90	0036	50	100	GF	13.5	22.5	304	369	221,698	
9/26/2022	P91	0036	50	100	GF	35.5	22.5	799	763	222,461	
9/26/2022	P92	0036	55	100	GF	91	22.5	2,048	2,069	224,530	
9/26/2022	P93	0019	55	100	GF	133	22.5	2,993	3,177	227,707	
9/26/2022	P94	0019	55	100	GF	130	22.5	2,925	3,113	230,820	
9/26/2022	P95	0034	65	100	GF	145	22.5	3,263	3,150	233,970	
9/26/2022	P96	0034	65	100	GF	145.5	22.5	3,274	2,823	236,794	
9/26/2022	P97	0027	65	100	GF	26	22.5	585	545	237,338	
9/26/2022	P98	0018	65	100	GF	74	22.5	1,665	1,450	238,788	
9/26/2022	P99	0027	65	100	GF	105.5	22.5	2,374	2,304	241,092	
9/26/2022	P100	0027	65	100	GF	160.5	22.5	3,611	3,397	244,489	
9/28/2022	P101	0122	58	100	BM	60	22.5	1,350	1,285	245,774	
9/28/2022	P102	0126	58	100	BM	90	22.5	2,025	1,981	247,755	
9/28/2022	P103	0018	58	100	BM	50	22.5	1,125	1,184	248,939	
9/28/2022	P104	0018	58	100	BM	150	22.5	3,375	3,311	252,250	
9/28/2022	P105	0036	58	100	BM	65	22.5	1,463	1,429	253,679	
9/28/2022	P106	0119	58	100	BM	53	22.5	1,193	1,142	254,821	
9/28/2022	P107	0116	58	100	BM	45	22.5	1,013	988	255,809	
9/28/2022	P108	0085	58	100	BM	63	22.5	1,418	1,313	257,122	
9/28/2022	P109	0085	58	100	BM	65	22.5	1,463	1,232	258,354	
9/28/2022	P110	0031	58	100	BM	50	22.5	1,125	1,077	259,431	
9/28/2022	P111	0085	58	100	BM	20	22.5	450	297	259,729	
9/28/2022	P112	0031	58	100	BM	11.5	22.5	259	134	259,862	
9/28/2022	P113	0005	58	100	BM	155	22.5	3,488	3,456	263,318	
9/28/2022	P114	0020	58	100	BM	99	22.5	2,228	2,113	265,431	
9/28/2022	P115	0020	58	100	BM	103	22.5	2,318	2,261	267,693	
9/28/2022	P116	0020	58	100	BM	109	22.5	2,453	2,245	269,938	

Cripple Creek & Victor Gold Mining Company

Valley Leach Facility 2 Phase 3

Stage A.1 Record of Construction

Primary 100-mil Geomembrane Panel Deployment Summary



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						Length (ft)	Width (ft)	Area (ft²)	Area (ft²)	Cumulative Area (ft²)	
9/28/2022	P117	0035	58	100	BM	112	22.5	2,520	2,382	272,320	
9/28/2022	P118	0035	61	100	BM	79	22.5	1,778	2,193	274,513	
9/28/2022	P119	0035	61	100	BM	19	22.5	428	7	274,520	
9/28/2022	P120	0026	61	100	BM	93	22.5	2,093	1,984	276,504	
9/28/2022	P121	0026	61	100	BM	90	22.5	2,025	2,066	278,570	
9/28/2022	P122	0026	61	100	BM	88	12	1,056	1,409	279,979	
9/28/2022	P123	0026	61	100	BM	17.5	18	315	204	280,183	
9/28/2022	P124	0035	61	100	BM	76	22.5	1,710	1,606	281,790	
9/28/2022	P125	0028	61	100	BM	66	22.5	1,485	1,394	283,183	
9/28/2022	P126	0028	61	100	BM	54	22.5	1,215	1,116	284,299	
9/28/2022	P127	0028	61	100	BM	43	22.5	968	910	285,209	
9/28/2022	P128	0028	61	100	BM	35	22.5	788	748	285,957	
9/28/2022	P129	0028	61	100	BM	34	22.5	765	727	286,684	
9/28/2022	P130	0005	61	100	BM	40	22.5	900	902	287,586	
9/28/2022	P131	0005	61	100	BM	37.5	22.5	844	847	288,432	
9/28/2022	P132	0030	61	100	BM	32	22.5	720	695	289,128	
9/28/2022	P133	0030	61	100	BM	28	22.5	630	581	289,709	
9/28/2022	P134	0028	61	100	BM	25	22.5	563	582	290,291	
9/29/2022	P135	0030	60	100	BM	160	22.5	3,600	3,901	294,193	
9/29/2022	P136	0016	60	100	BM	182	22.5	4,095	3,835	298,028	
9/29/2022	P137	0018	60	100	BM	172	22.5	3,870	3,776	301,805	
9/29/2022	P138	0017	60	100	BM	164	22.5	3,690	3,486	305,290	
9/29/2022	P139	0019	60	100	BM	175	22.5	3,938	3,373	308,663	
9/29/2022	P140	0008	60	100	BM	170	22.5	3,825	3,487	312,150	
9/29/2022	P141	0010	60	100	GF	176	22.5	3,960	3,412	315,562	
9/29/2022	P142	01300	60	100	GF	172	22.5	3,870	3,502	319,064	
9/29/2022	P143	0021	60	100	GF	130	22.5	2,925	2,666	321,730	
9/29/2022	P144	0021	60	100	GF	75	11	825	711	322,440	
9/29/2022	P145	0013	60	100	GF	210	22.5	4,725	4,004	326,444	

Cripple Creek & Victor Gold Mining Company

Valley Leach Facility 2 Phase 3

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Deployment Date	Panel Number	Roll Number	Ambient Temp. (°F)	Average Thickness (mil)	QA Monitor	Approximate Quantities			Surveyed Quantities		Remarks
						Length (ft)	Width (ft)	Area (ft²)	Area (ft²)	Cumulative Area (ft²)	
9/29/2022	P146	0007	60	100	GF	39	22.5	878	688	327,132	
9/29/2022	P147	0007	60	100	BM	135	22.5	3,038	2,582	329,714	
9/30/2022	P148	0012	45	100	GF	209	22.5	4,703	4,354	334,068	
9/30/2022	P149	0020	45	100	GF	22	14	308	272	334,340	
9/30/2022	P150	0020	45	100	GF	76.5	22.5	1,721	1,603	335,943	
9/30/2022	P151	0003	45	100	GF	135.5	22.5	3,049	3,000	338,942	
9/30/2022	P152	0015	45	100	GF	30	15	450	564	339,506	
9/30/2022	P153	0015	45	100	GF	96	22.5	2,160	2,014	341,520	
9/30/2022	P154	0015	50	100	GF	152	22.5	3,420	3,245	344,765	
9/30/2022	P155	0005	50	100	GF	29	15	435	348	345,113	
9/30/2022	P156	0005	50	100	GF	98	22.5	2,205	2,048	347,161	
9/30/2022	P157	0005	50	100	GF	160	22.5	3,600	3,428	350,589	
9/30/2022	P158	0011	50	100	GF	29	18	522	437	351,026	
9/30/2022	P159	0011	50	100	GF	103	22.5	2,318	2,220	353,245	
9/30/2022	P160	0004	52	100	BM	190	22.5	4,275	4,039	357,284	
9/30/2022	P161	0009	61	100	BM	29	22.5	653	551	357,835	
9/30/2022	P162	0009	61	100	BM	90	22.5	2,025	1,909	359,744	
9/30/2022	P163	0009	61	100	BM	153	22.5	3,443	3,243	362,987	
9/30/2022	P164	0011	61	100	BM	32	22.5	720	485	363,472	
9/30/2022	P165	0011	61	100	BM	117	22.5	2,633	2,232	365,705	
9/30/2022	P166	0002	58	100	BM	154	22.5	3,465	3,742	369,447	
9/30/2022	P167	0003	58	100	BM	168	22.5	3,780	3,274	372,721	
9/30/2022	P168	0003	58	100	BM	158	22.5	3,555	3,309	376,030	
9/30/2022	P169	0006	58	100	BM	159	22.5	3,578	3,262	379,292	
9/30/2022	P170	0006	58	100	BM	159	22.5	3,578	3,309	382,601	
10/1/2022	P171	0014	40	100	BM	155	22.5	3,488	3,273	385,874	
10/1/2022	P172	0014	40	100	BM	156	22.5	3,510	3,318	389,192	
10/1/2022	P173	0017	40	100	BM	144	22.5	3,240	2,937	392,128	
10/1/2022	P174	0008	40	100	BM	143	22.5	3,218	2,984	395,112	

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Valley Leach Facility 2 Phase 3

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Primary 100-mil Geomembrane Panel Deployment Summary



Deployment Date	Panel Number	Roll Number	Ambient Temp. (°F)	Average Thickness (mil)	QA Monitor	Approximate Quantities			Surveyed Quantities		Remarks
						Length (ft)	Width (ft)	Area (ft²)	Area (ft²)	Cumulative Area (ft²)	
10/11/2022	P175	0016	40	100	DK	156.5	22.5	3,521	3,258	398,370	
10/11/2022	P176	0016	40	100	DK	15.5	22.5	349	295	398,665	
10/11/2022	P177	0016	40	100	DK	17.5	22.5	394	321	398,986	
10/11/2022	P178	0006	40	100	DK	157	22.5	3,533	3,283	402,269	
10/11/2022	P179	0006	40	100	DK	162.5	22.5	3,656	3,341	405,610	
10/11/2022	P180	0030	40	100	DK	41.5	22.5	934	893	406,503	
10/11/2022	P181	0016	40	100	DK	51	22.5	1,148	953	407,456	
10/11/2022	P182	0016	40	100	DK	73	22.5	1,643	1,476	408,932	
10/11/2022	P183	0016	40	100	DK	95	22.5	2,138	1,951	410,883	
10/11/2022	P184	0016	50	100	DK	119	22.5	2,678	2,376	413,259	
10/11/2022	P185	0019	50	100	DK	116.5	22.5	2,621	2,363	415,622	
10/11/2022	P186	0010	50	100	DK	112.5	22.5	2,531	2,330	417,952	
10/11/2022	P187	0002	55	100	DK	11.5	7	81	24	417,976	
10/11/2022	P188	0002	55	100	DK	63	22.5	1,418	1,200	419,176	
10/11/2022	P189	0007	55	100	DK	112.5	22.5	2,531	2,379	421,555	
10/11/2022	P190	0004	55	100	DK	86	22.5	1,935	1,882	423,437	
10/11/2022	P191	0012	55	100	DK	63.5	22.5	1,429	1,343	424,779	
10/11/2022	P192	0012	55	100	DK	18	12	216	226	425,005	
10/11/2022	P193	0013	55	100	DK	95	22.5	2,138	2,040	427,045	
10/11/2022	P194	0013	55	100	DK	17.5	3.5	61	59	427,104	
10/11/2022	P195	0021	55	100	DK	44	22.5	990	965	428,069	
10/11/2022	P196	0021	55	100	DK	29	22.5	653	525	428,595	
10/11/2022	P197	0010	55	100	DK	73	22.5	1,643	1,506	430,100	
10/11/2022	P198	0010	55	100	DK	77	22.5	1,733	1,541	431,641	
10/11/2022	P199	0010	55	100	DK	67	22.5	1,508	1,368	433,009	
10/12/2022	P200	0010	45	100	DK	63.5	22.5	1,429	1,287	434,297	
10/12/2022	P201	0009	45	100	DK	62.5	22.5	1,406	1,192	435,489	
10/12/2022	P202	0009	45	100	DK	58	22.5	1,305	1,102	436,590	
10/12/2022	P203	0009	45	100	DK	52	22.5	1,170	1,005	437,596	

Cripple Creek & Victor Gold Mining Company

Valley Leach Facility 2 Phase 3

Stage A.1 Record of Construction

Primary 100-mil Geomembrane Panel Deployment Summary



Deployment Date	Panel Number	Roll Number	Ambient Temp. (°F)	Average Thickness (mil)	QA Monitor	Approximate Quantities			Surveyed Quantities		Remarks
						Length (ft)	Width (ft)	Area (ft²)	Area (ft²)	Cumulative Area (ft²)	
10/12/2022	P204	0009	45	100	DK	47	22.5	1,058	939	438,535	
10/13/2022	P205	0014	35	100	DK	277	22.5	6,233	5,605	444,140	
10/13/2022	P206	0012	35	100	DK	277	22.5	6,233	6,122	450,262	
10/13/2022	P207	0013	35	100	DK	276.5	22.5	6,221	6,137	456,400	
10/13/2022	P208	0007	35	100	DK	238	22.5	5,355	5,046	461,445	
10/13/2022	P209	0011	35	100	DK	198	22.5	4,455	4,452	465,897	
10/13/2022	P210	0010	35	100	DK	76	22.5	1,710	1,438	467,335	
10/13/2022	P211	0011	35	100	DK	21	20	420	476	467,811	
10/13/2022	P212	0007	35	100	DK	69	22.5	1,553	1,488	469,299	
10/13/2022	P213	0009	35	100	DK	39	22.5	878	860	470,159	
10/13/2022	P214	0012	37	100	DK	23.5	22.5	529	755	470,914	
10/13/2022	P215	0014	40	100	DK	32	22.5	720	667	471,581	
10/13/2022	P216	0013	40	100	DK	28	22.5	630	696	472,277	
10/14/2022	P217	0017	35	100	DK	200	22.5	4,500	4,277	476,554	
10/14/2022	P218	0017	35	100	DK	103	22.5	2,318	2,251	478,806	
10/14/2022	P219	0015	35	100	DK	120	22.5	2,700	2,571	481,376	
10/14/2022	P220	0015	39	100	DK	187	22.5	4,208	4,372	485,748	
10/14/2022	P221	0004	40	100	DK	220	13	2,860	2,893	488,641	
10/14/2022	P222	0004	40	100	DK	41	22.5	923	839	489,480	
10/14/2022	P223	0004	42	100	DK	55	22.5	1,238	1,024	490,504	
10/14/2022	P224	0008	43	100	DK	131	22.5	2,948	2,850	493,354	
10/14/2022	P225	0008	43	100	DK	200	22.5	4,500	4,204	497,558	
10/14/2022	P226	0002	45	100	DK	167	22.5	3,758	3,460	501,018	
10/14/2022	P227	0002	45	100	DK	61	22.5	1,373	1,309	502,327	
10/14/2022	P228	0002	45	100	DK	44	22.5	990	828	503,155	
10/14/2022	P229	0002	50	100	DK	12.5	22.5	281	234	503,389	
10/14/2022	P230	0004	55	100	DK	34.5	7	242	211	503,600	
10/15/2022	P231	0003	38	100	DK	71	22.5	1,598	1,473	505,073	
10/15/2022	P232	0003	38	100	DK	44	22.5	990	972	506,046	

Cripple Creek & Victor Gold Mining Company

Valley Leach Facility 2 Phase 3

Stage A.1 Record of Construction

Primary 100-mil Geomembrane Panel Deployment Summary



Deployment Date	Panel Number	Roll Number	Ambient Temp. (°F)	Average Thickness (mil)	QA Monitor	Approximate Quantities			Surveyed Quantities		Remarks
						Length (ft)	Width (ft)	Area (ft²)	Area (ft²)	Cumulative Area (ft²)	
10/15/2022	P233	0003	38	100	DK	36.5	22.5	821	736	506,782	
10/15/2022	P234	0003	38	100	DK	37	22.5	833	781	507,563	
10/15/2022	P235	0003	38	100	DK	26	22.5	585	493	508,056	
10/15/2022	P236	0003	38	100	DK	3.5	12	42	36	508,091	



APPENDIX J.2 – PRIMARY GEOMEMBRANE TRIAL SEAM SUMMARIES

APPENDIX J.2.1 – PRIMARY GEOMEMBRANE FUSION TRIAL SEAM SUMMARY

APPENDIX J.2.2 – PRIMARY GEOMEMBRANE EXTRUSION TRIAL SEAM SUMMARY



APPENDIX J.2.1 – PRIMARY GEOMEMBRANE FUSION TRIAL SEAM SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results							QA Monitor	Remarks
						Temp. (°F)	Speed (ft/min)	Inside Peel (Min. = 125 ppi)		Outside Peel (Min. = 125 ppi)		Shear (Minimum = 150 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
9/20/2022	TF-1	7:04 AM	12	GS	51	850	7.5	190	BRK	187	BRK	240	BRK	P	RM	SS
								207	BRK	202	BRK					
9/20/2022	TF-2	7:33 AM	12	FC	51	850	7.0	156	BRK	178	BRK	218	BRK	P	RM	SS
								172	BRK	208	BRK					
9/20/2022	TF-3	11:22 AM	12	GS	67	850	7.0	136	BRK	156	BRK	168	BRK	P	RM	SS
								153	BRK	159	BRK					
9/20/2022	TF-4	12:27 PM	11	FC	60	850	7.5	138	BRK	151	BRK	168	BRK	P	GF	SS
								149	BRK	163	BRK					
9/20/2022	TF-5	12:55 PM	32	GS	68	850	7.0	168	BRK	172	BRK	178	BRK	P	RM	TT
								175	BRK	161	BRK					
9/20/2022	TF-6	1:00 PM	32	GS	68	850	8.0	172	BRK	158	BRK	171	BRK	P	RM	SS
								168	BRK	172	BRK					
9/20/2022	TF-7	3:17 PM	32	GS	71	850	10.0	161	BRK	166	BRK	190	BRK	P	RM	TT
								181	BRK	181	BRK					
9/21/2022	TF-8	6:52 AM	11	FC	50	850	8.5	156	BRK	166	BRK	208	BRK	P	RM	SS
								177	BRK	182	BRK					
9/21/2022	TF-9	7:11 AM	12	GS	50	850	7.5	158	BRK	164	BRK	209	BRK	P	RM	ST
								173	BRK	181	BRK					
9/21/2022	TF-10	8:38 AM	11	FC	53	850	10.0	186	BRK	199	BRK	221	BRK	P	RM	TT
								219	BRK	214	BRK					
9/21/2022	TF-11	12:05 PM	12	GS	58	850	8.5	180	BRK	190	BRK	209	BRK	P	RM	SS
								190	BRK	187	BRK					
9/21/2022	TF-12	12:39 PM	42	GS	58	850	8.0	190	BRK	185	BRK	218	BRK	P	RM	SS
								196	BRK	220	BRK					
9/21/2022	TF-13	12:44 PM	12	GS	58	850	8.5	185	BRK	197	BRK	217	BRK	P	RM	TT
								217	BRK	198	BRK					
9/21/2022	TF-14	12:44 PM	12	SP	58	850	8.0	198	BRK	197	BRK	197	BRK	P	RM	TT
								207	BRK	198	BRK					
9/21/2022	TF-15	12:48 PM	11	FC	55	850	9.0	198	BRK	189	BRK	209	BRK	P	RM	SS
								176	BRK	193	BRK					
9/21/2022	TF-16	12:50 PM	11	FC	58	850	10.0	179	BRK	200	BRK	217	BRK	P	RM	SS
								189	BRK	197	BRK					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results							QA Monitor	Remarks
						Temp. (°F)	Speed (ft/min)	Inside Peel (Min. = 125 ppi)		Outside Peel (Min. = 125 ppi)		Shear (Minimum = 150 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
9/21/2022	TF-17	12:58 PM	12	SP	58	850	8.0	188	BRK	200	BRK	209	BRK	P	RM	SS
								188	BRK	200	BRK					
9/21/2022	TF-18	1:00 PM	11	FC	58	850	12.0	211	BRK	210	BRK	233	BRK	P	RM	SS
								186	BRK	213	BRK					
9/23/2022	TF-19	7:07 AM	11	FC	55	850	7.0	164	BRK	166	BRK	221	BRK	P	GF	SS
								174	BRK	184	BRK					
9/23/2022	TF-20	7:10 AM	42	GS	55	850	7.5	203	BRK	194	BRK	258	BRK	P	GF	SS
								204	BRK	199	BRK					
9/23/2022	TF-21	7:16 AM	11	FC	55	850	9.0	174	BRK	184	BRK	229	BRK	P	GF	TT
								193	BRK	207	BRK					
9/23/2022	TF-22	7:21 AM	12	SP	55	850	7.5	177	BRK	190	BRK	246	BRK	P	GF	SS
								189	BRK	194	BRK					
9/23/2022	TF-23	8:45 AM	42	GS	55	850	7.5	158	BRK	173	BRK	224	BRK	P	GF	TT
								177	BRK	185	BRK					
9/23/2022	TF-24	8:50 AM	12	SP	55	850	7.5	160	BRK	172	BRK	177	BRK	P	BM	TT
								170	BRK	175	BRK					
9/23/2022	TF-25	12:05 PM	12	GS	58	850	8.5	180	BRK	190	BRK	209	BRK	P	RM	SS
								190	BRK	187	BRK					
9/23/2022	TF-26	12:44 PM	12	GS	58	850	8.5	185	BRK	217	BRK	211	BRK	P	RM	TT
								192	BRK	198	BRK					
9/23/2022	TF-27	12:44 PM	12	SP	58	850	8.0	198	BRK	207	BRK	197	BRK	P	RM	TT
								197	BRK	198	BRK					
9/23/2022	TF-28	12:50 PM	11	FC	58	850	12.0	211	BRK	186	BRK	217	BRK	P	RM	SS
								213	BRK	210	BRK					
9/23/2022	TF-29	12:58 PM	12	SP	58	850	10.0	179	BRK	189	BRK	209	BRK	P	RM	SS
								200	BRK	200	BRK					
9/23/2022	TF-30	1:00 PM	11	FC	58	850	12.0	211	BRK	213	BRK	233	BRK	P	RM	SS
								186	BRK	210	BRK					
9/26/2022	TF-31	8:05 AM	83	WL	46	850	7.5	155	BRK	160	BRK	241	BRK	P	RM	ST
								187	BRK	191	BRK					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results							QA Monitor	Remarks
						Temp. (°F)	Speed (ft/min)	Inside Peel (Min. = 125 ppi)		Outside Peel (Min. = 125 ppi)		Shear (Minimum = 150 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
9/26/2022	TF-32	8:08 AM	11	FC	46	850	8.0	193	BRK	199	BRK	235	BRK	P	RM	SS
								205	BRK	211	BRK					
9/26/2022	TF-33	8:08 AM	42	GS	46	850	7.5	195	BRK	189	BRK	215	BRK	P	RM	TT
								206	BRK	199	BRK					
9/26/2022	TF-34	8:10 AM	11	FC	46	850	10.0	196	BRK	207	BRK	233	BRK	P	RM	TT
								209	BRK	228	BRK					
9/26/2022	TF-35	8:11 AM	42	GS	46	850	7.5	177	BRK	184	BRK	228	BRK	P	RM	SS
								197	BRK	216	BRK					
9/26/2022	TF-36	12:39 PM	11	FC	60	850	12.0	180	BRK	195	BRK	206	BRK	P	RM	SS
								168	BRK	191	BRK					
9/26/2022	TF-37	12:41 PM	11	FC	60	850	14.0	186	BRK	187	BRK	212	BRK	P	RM	TT
								195	BRK	196	BRK					
9/26/2022	TF-38	12:42 PM	42	GS	60	850	8.5	186	BRK	198	BRK	205	BRK	P	RM	TT
								177	BRK	193	BRK					
9/26/2022	TF-39	12:44 PM	42	GS	60	850	8.5	171	BRK	198	BRK	202	BRK	P	RM	ST
								200	BRK	178	BRK					
9/26/2022	TF-40	1:03 PM	83	WL	61	850	7.5	159	BRK	178	BRK	210	BRK	P	RM	ST
								203	BRK	203	BRK					
9/27/2022	TF-41	6:50 AM	11	FC	43	850	10.0	192	BRK	204	BRK	226	BRK	P	RM	TT
								197	BRK	212	BRK					
9/28/2022	TF-42	7:30 AM	11	FC	46	850	11.0	208	BRK	189	BRK	230	BRK	P	RM	SS
								222	BRK	199	BRK					
9/28/2022	TF-43	7:33 AM	42	GS	45	850	7.5	186	BRK	180	BRK	236	BRK	P	RM	SS
								223	BRK	200	BRK					
9/28/2022	TF-44	7:34 AM	11	FC	47	850	6.5	200	BRK	199	BRK	227	BRK	P	RM	SS
								219	BRK	216	BRK					
9/28/2022	TF-45	7:36 AM	42	GS	47	850	7.5	200	BRK	192	BRK	227	BRK	P	RM	TT
								212	BRK	193	BRK					
9/28/2022	TF-46	7:53 AM	12	SP	47	850	6.5	180	BRK	171	BRK	212	BRK	P	RM	TT
								191	BRK	180	BRK					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results							QA Monitor	Remarks
						Temp. (°F)	Speed (ft/min)	Inside Peel (Min. = 125 ppi)		Outside Peel (Min. = 125 ppi)		Shear (Minimum = 150 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
9/28/2022	TF-47	7:55 AM	12	SP	47	850	6.5	199	BRK	191	BRK	228	BRK	P	RM	SS
								218	BRK	200	BRK					
9/28/2022	TF-48	12:45 PM	11	FC	60	850	8.0	187	BRK	183	BRK	185	BRK	P	RM	SS
								190	BRK	190	BRK					
9/28/2022	TF-49	12:48 PM	11	FC	60	850	10.0	180	BRK	185	BRK	185	BRK	P	RM	TT
								190	BRK	189	BRK					
9/28/2022	TF-50	12:51 PM	12	SP	60	850	8.5	166	BRK	176	BRK	187	BRK	P	RM	SS
								178	BRK	198	BRK					
9/28/2022	TF-51	12:56 PM	12	SP	60	850	8.5	176	BRK	195	BRK	200	BRK	P	RM	SS
								198	BRK	178	BRK					
9/28/2022	TF-52	1:00 PM	42	GS	60	850	9.0	176	BRK	175	BRK	188	BRK	P	RM	SS
								190	BRK	188	BRK					
9/28/2022	TF-53	1:04 PM	42	GS	60	850	9.0	175	BRK	187	BRK	192	BRK	P	RM	SS
								188	BRK	189	BRK					
9/29/2022	TF-54	10:17 AM	12	SP	52	850	8.5	172	BRK	173	BRK	190	BRK	P	BM	SS
								187	BRK	191	BRK					
9/29/2022	TF-55	10:20 AM	11	FC	52	850	9.5	179	BRK	183	BRK	189	BRK	P	BM	SS
								182	BRK	170	BRK					
9/29/2022	TF-56	10:22 AM	42	GS	52	850	8.5	184	BRK	189	BRK	200	BRK	P	BM	TT
								174	BRK	187	BRK					
9/29/2022	TF-57	10:23 AM	42	GS	52	850	8.5	195	BRK	178	BRK	190	BRK	P	BM	SS
								174	BRK	187	BRK					
9/29/2022	TF-58	10:23 AM	11	FC	52	850	11.5	191	BRK	187	BRK	184	BRK	P	BM	TT
								197	BRK	189	BRK					
9/29/2022	TF-59	2:30 PM	11	FC	60	850	8.5	176	BRK	179	BRK	187	BRK	P	BM	SS
								181	BRK	187	BRK					
9/29/2022	TF-60	2:00 PM	12	SP	60	850	8.5	170	BRK	178	BRK	175	BRK	P	BM	SS
								174	BRK	179	BRK					
9/29/2022	TF-61	2:33 PM	11	FC	60	850	10.5	185	BRK	192	BRK	195	BRK	P	BM	TT
								190	BRK	185	BRK					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results							QA Monitor	Remarks
						Temp. (°F)	Speed (ft/min)	Inside Peel (Min. = 125 ppi)		Outside Peel (Min. = 125 ppi)		Shear (Minimum = 150 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
9/29/2022	TF-62	1:33 PM	42	GS	58	850	8.5	177	BRK	192	BRK	187	BRK	P	BM	SS
								181	BRK	174	BRK					
9/29/2022	TF-63	1:40 PM	42	GS	58	850	8.5	203	BRK	195	BRK	190	BRK	P	BM	TT
								192	BRK	188	BRK					
9/30/2022	TF-64	7:06 AM	11	FC	45	850	7.5	186	BRK	201	BRK	223	BRK	P	RM	SS
								212	BRK	187	BRK					
9/30/2022	TF-65	7:10 AM	11	FC	45	850	8.5	195	BRK	204	BRK	247	BRK	P	RM	TT
								216	BRK	210	BRK					
9/30/2022	TF-66	7:14 AM	42	GS	45	850	7.0	178	BRK	193	BRK	223	BRK	P	RM	SS
								188	BRK	189	BRK					
9/30/2022	TF-67	7:06 AM	42	GS	45	850	7.0	210	BRK	214	BRK	232	BRK	P	RM	SS
								231	BRK	235	BRK					
9/30/2022	TF-68	7:32 AM	12	SP	45	850	7.5	171	BRK	178	BRK	232	BRK	P	RM	TT
								180	BRK	191	BRK					
9/30/2022	TF-69	7:38 AM	12	SP	45	850	6.0	181	BRK	174	BRK	210	BRK	P	RM	TT
								185	BRK	212	BRK					
9/30/2022	TF-70	12:55 PM	11	FC	50	850	9.0	186	BRK	178	BRK	198	BRK	P	BM	SS
								193	BRK	184	BRK					
9/30/2022	TF-71	12:58 PM	11	FC	50	850	11.0	198	BRK	192	BRK	217	BRK	P	BM	TT
								202	BRK	179	BRK					
9/30/2022	TF-72	12:56 PM	42	GS	50	850	11.0	190	BRK	183	BRK	200	BRK	P	BM	SS
								185	BRK	181	BRK					
9/30/2022	TF-73	12:53 PM	42	GS	50	850	11.0	201	BRK	215	BRK	220	BRK	P	BM	TT
								199	BRK	189	BRK					
9/30/2022	TF-74	1:00 PM	12	SP	52	850	7.5	195	BRK	181	BRK	197	BRK	P	BM	SS
								201	BRK	179	BRK					
9/30/2022	TF-75	1:05 PM	12	SP	52	850	6.5	215	BRK	199	BRK	218	BRK	P	BM	TT
								200	BRK	207	BRK					
10/1/2022	TF-76	6:54 AM	42	GS	40	850	7.0	197	BRK	206	BRK	225	BRK	P	BM	SS
								204	BRK	196	BRK					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results								QA Monitor	Remarks
						Temp. (°F)	Speed (ft/min)	Inside Peel (Min. = 125 ppi)		Outside Peel (Min. = 125 ppi)		Shear (Minimum = 150 ppi)		Pass/Fail			
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹				
10/1/2022	TF-77	7:00 AM	12	SP	40	850	6.5	181	BRK	205	BRK	231	BRK	P	BM	SS	
								191	BRK	193	BRK						
10/11/2022	TF-78	9:00 AM	12	SP	40	850	7.0	142	BRK	159	BRK	199	BRK	P	DK	SS	
								159	BRK	168	BRK						
10/11/2022	TF-79	9:05 AM	12	SP	40	850	6.0	152	BRK	165	BRK	214	BRK	P	DK	TT	
								164	BRK	180	BRK						
10/11/2022	TF-80	9:08 AM	42	GS	40	850	10.0	164	BRK	170	BRK	226	BRK	P	DK	SS	
								170	BRK	187	BRK						
10/11/2022	TF-81	9:07 AM	11	AG	40	850	7.0	171	BRK	197	BRK	229	BRK	P	DK	SS	
								177	BRK	201	BRK						
10/11/2022	TF-82	9:00 AM	42	GS	40	850	9.0	188	BRK	181	BRK	222	BRK	P	DK	TT	
								235	BRK	228	BRK						
10/11/2022	TF-83	9:09 AM	11	AG	40	850	6.0	198	BRK	193	BRK	236	BRK	P	DK	TT	
								208	BRK	209	BRK						
10/11/2022	TF-84	12:35 PM	11	AG	55	850	8.0	176	BRK	172	BRK	184	BRK	P	DK	SS	
								175	BRK	156	BRK						
10/11/2022	TF-85	12:45 PM	12	SP	55	850	7.0	194	BRK	185	BRK	208	BRK	P	DK	SS	
								205	BRK	162	BRK						
10/11/2022	TF-86	12:50 PM	42	GS	55	850	9.0	193	BRK	175	BRK	221	BRK	P	DK	SS	
								204	BRK	195	BRK						
10/11/2022	TF-87	12:40 PM	42	GS	55	850	8.0	192	BRK	160	BRK	217	BRK	P	DK	TT	
								201	BRK	208	BRK						
10/11/2022	TF-88	12:40 PM	11	AG	55	850	6.0	195	BRK	171	BRK	207	BRK	P	DK	TT	
								193	BRK	188	BRK						
10/11/2022	TF-89	12:49 PM	12	SP	55	850	6.5	183	BRK	203	BRK	225	BRK	P	DK	TT	
								201	BRK	206	BRK						
10/11/2022	TF-90	1:50 AM	42	GS	55	850	8.0	168	BRK	160	BRK	196	BRK	P	DK	ST	
								179	BRK	158	BRK						
10/11/2022	TF-91	1:00 AM	11	AG	55	850	6.0	165	BRK	170	BRK	185	BRK	P	DK	ST	
								180	BRK	173	BRK						

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results							QA Monitor	Remarks
						Temp. (°F)	Speed (ft/min)	Inside Peel (Min. = 125 ppi)		Outside Peel (Min. = 125 ppi)		Shear (Minimum = 150 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/12/2022	TF-92	9:04 AM	12	SP	40	850	6.0	158	BRK	171	BRK	223	BRK	P	DK	TT
								170	BRK	172	BRK					
10/12/2022	TF-93	8:57 AM	12	SP	40	850	7.0	167	BRK	186	BRK	227	BRK	P	DK	SS
								184	BRK	185	BRK					
10/12/2022	TF-94	9:20 AM	42	GS	41	850	7.5	167	BRK	186	BRK	225	BRK	P	DK	SS
								170	BRK	183	BRK					
10/13/2022	TF-95	7:12 AM	11	AG	30	850	6.0	196	BRK	207	BRK	219	BRK	P	DK	TT
								214	BRK	219	BRK					
10/13/2022	TF-96	7:10 AM	11	AG	30	850	7.0	206	BRK	187	BRK	252	BRK	P	DK	SS
								218	BRK	206	BRK					
10/13/2022	TF-97	7:10 AM	12	SP	30	850	7.0	207	BRK	207	BRK	254	BRK	P	DK	SS
								225	BRK	217	BRK					
10/13/2022	TF-98	7:14 AM	12	SP	30	850	6.0	200	BRK	206	BRK	250	BRK	P	DK	TT
								215	BRK	199	BRK					
10/14/2022	TF-99	7:11 AM	12	SP	37	850	6.0	213	BRK	222	BRK	255	BRK	P	DK	TT
								239	BRK	203	BRK					
10/14/2022	TF-100	7:12 AM	12	SP	37	850	7.0	197	BRK	188	BRK	251	BRK	P	DK	SS
								214	BRK	219	BRK					
10/14/2022	TF-101	7:20 AM	11	AG	39	850	6.0	208	BRK	224	BRK	261	BRK	P	DK	TT
								224	BRK	225	BRK					
10/14/2022	TF-102	7:24 AM	11	AG	39	850	7.0	206	BRK	208	BRK	259	BRK	P	DK	SS
								215	BRK	221	BRK					
10/14/2022	TF-103	12:35 PM	11	AG	52	850	7.0	203	BRK	206	BRK	218	BRK	P	DK	TT
								196	BRK	206	BRK					
10/14/2022	TF-104	12:52 PM	12	SP	52	850	6.5	160	BRK	167	BRK	207	BRK	P	DK	TT
								182	BRK	164	BRK					
10/15/2022	TF-105	7:00 AM	11	AG	35	850	7.0	210	BRK	210	BRK	216	BRK	P	DK	SS
								212	BRK	219	BRK					
10/15/2022	TF-106	7:03 AM	11	AG	35	850	6.0	194	BRK	195	BRK	248	BRK	P	DK	TT
								223	BRK	217	BRK					



APPENDIX J.2.2 – PRIMARY GEOMEMBRANE EXTRUSION TRIAL SEAM SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Extrusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results					QA Monitor	Remarks
						Pre-Heat Temp. (°F)	Extruder Temp. (°F)	Peel (Min. = 114 ppi)		Shear (Min. = 150 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
9/21/2022	TX-1	6:53 AM	1	JLO	60	550	550	177	SE1	283	BRK	P	BM	
								192	SE1					
9/21/2022	TX-2	8:00 AM	83	WL	60	550	550	170	SE1	180	BRK	P	BM	
								180	SE1					
9/23/2022	TX-3	10:30 AM	83	WL	55	550	550	167	SE1	196	BRK	P	GF	
								183	SE1					
9/24/2022	TX-4	6:33 AM	1	JLO	40	550	550	177	SE1	243	BRK	P	RM	
								193	SE1					
9/24/2022	TX-5	8:00 AM	83	WL	55	550	550	170	SE1	180	BRK	P	RM	
								180	SE1					
9/24/2022	TX-6	12:43 PM	1	JLO	60	550	550	171	SE1	202	BRK	P	RM	
								191	SE1					
9/24/2022	TX-7	1:00 PM	83	WL	63	550	550	188	SE1	198	BRK	P	RM	
								190	SE1					
9/27/2022	TX-8	7:00 AM	47	SL	43	550	550	166	SE1	260	BRK	P	RM	
								150	SE1					
9/27/2022	TX-9	9:26 AM	42	GS	48	550	550	175	SE1	213	BRK	P	RM	
								187	SE1					
9/27/2022	TX-10	9:26 AM	42	GS	48	550	550	212	SE1	256	BRK	P	RM	
								213	SE1					
9/27/2022	TX-11	12:05 PM	47	WL	47	550	550	176	SE1	201	BRK	P	RM	
								169	SE1					
9/27/2022	TX-12	12:58 PM	1	GS	55	550	550	199	SE1	187	BRK	P	DK	
								166	SE1					
9/27/2022	TX-13	1:10 PM	198	SR	55	550	550	190	SE1	207	BRK	P	DK	
								192	SE1					
9/29/2022	TX-14	6:58 AM	1	JLO	47	550	550	193	SE1	223	BRK	P	BM	
								216	SE1					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Extrusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results					QA Monitor	Remarks
						Pre-Heat Temp. (°F)	Extruder Temp. (°F)	Peel (Min. = 114 ppi)		Shear (Min. = 150 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
9/29/2022	TX-15	7:00 AM	83	WL	47	550	550	167	SE1	232	BRK	P	BM	
								178	SE1					
9/30/2022	TX-16	9:05 AM	1	JLO	40	550	550	181	SE1	210	BRK	P	DK	
								169	SE1					
9/30/2022	TX-17	9:39 AM	83	WL	40	550	550	165	SE1	210	BRK	P	DK	
								173	SE1					
9/30/2022	TX-18	12:44 PM	1	JLO	50	550	550	185	SE1	193	BRK	P	DK	
								203	SE1					
10/3/2022	TX-19	7:25 AM	83	WL	35	550	550	230	SE1	244	BRK	P	DK	
								221	SE1					
10/3/2022	TX-20	7:30 AM	4	SR	35	550	550	178	SE1	227	BRK	P	DK	
								192	SE1					
10/3/2022	TX-21	8:18 AM	1	JLO	35	550	550	156	SE1	221	BRK	P	DK	
								161	SE1					
10/3/2022	TX-22	12:30 PM	4	SR	45	550	550	187	SE1	226	BRK	P	DK	
								196	SE1					
10/3/2022	TX-23	12:40 PM	83	WL	45	550	550	156	SE1	207	BRK	P	DK	
								197	SE1					
10/3/2022	TX-24	12:40 PM	1	JLO	45	550	550	204	SE1	207	BRK	P	DK	
								191	SE1					
10/12/2022	TX-25	10:19 AM	2	JLO	45	500	550	154	SE1	225	BRK	P	DK	
								170	SE1					
10/12/2022	TX-26	10:45 AM	4	SR	45	550	550	187	SE1	213	BRK	P	DK	
								174	SE1					
10/12/2022	TX-27	12:30 PM	4	SR	50	550	550	193	SE1	213	BRK	P	DK	
								203	SE1					
10/12/2022	TX-28	12:44 PM	2	JLO	50	500	550	177	SE1	200	BRK	P	DK	
								205	SE1					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Extrusion Trial Seam Summary



Date	Sample Number	Time	Machine Number	Operator	Ambient Air Temp. (°F)	Machine Settings		Test Results					QA Monitor	Remarks
						Pre-Heat Temp. (°F)	Extruder Temp. (°F)	Peel (Min. = 114 ppi)		Shear (Min. = 150 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/13/2022	TX-29	10:04 AM	1	JLO	44	500	550	180	SE1	248	BRK	P	DK	
								211	SE1					
10/13/2022	TX-30	11:20 AM	83	WL	50	550	550	170	SE1	199	BRK	P	DK	
								199	SE1					
10/14/2022	TX-31	11:00 AM	1	JLO	48	500	550	161	SE1	189	BRK	P	RB	
								170	SE1					
10/14/2022	TX-32	1:12 PM	83	WL	54	500	550	156	SE1	198	BRK	P	RB	
								178	SE1					
10/14/2022	TX-33	2:40 PM	4	SR	56	500	550	175	SE1	211	BRK	P	RB	
								196	SE1					
10/15/2022	TX-34	7:23 AM	1	SLO	32	500	550	178	SE1	246	BRK	P	DK	
								206	SE1					
10/15/2022	TX-35	7:25 AM	83	WL	32	500	550	190	SE1	223	BRK	P	DK	
								187	SE1					
10/15/2022	TX-36	7:25 AM	4	SR	32	500	550	167	SE1	221	BRK	P	DK	
								180	SE1					



APPENDIX J.3 – PRIMARY GEOMEMBRANE FUSION WELDING SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/20/22	P3/4	S	/ N	8:33 AM	60	FC	11	7	850	850	85	BM	DF-2	3' N OF SEOS
9/20/22	P4/5	S	/ N	8:57 AM	60	FC	11	7	850	850	91	BM		
9/20/22	P12/13	E	/ W	10:10 AM	64	FC	11	7	850	850	88	BM		
9/20/22	P11/12	E	/ W	10:32 AM	64	FC	11	7	850	850	69	BM		
9/20/22	P10/11	E	/ W	12:47 PM	68	FC	11	7	850	850	47	BM		
9/20/22	P9/10	E	/ W	12:55 PM	68	FC	11	7	850	850	25	BM		
9/20/22	P7/8	S	/ N	1:08 PM	70	FC	11	7	850	850	28	BM		
9/20/22	P14/15	E	/ W	1:28 PM	70	FC	11	7	850	850	86	BM	DF-3	50' W OF EEOS
9/20/22	P15/16	E	/ W	1:50 PM	70	FC	11	7	850	850	86	BM		
9/20/22	P17/18	E	/ W	2:17 PM	72	FC	11	7	850	850	92	BM		
9/20/22	P19/20	E	/ W	2:50 PM	72	FC	11	7	850	850	98	BM		
9/20/22	P8/9	S	/ N	3:25 PM	71	FC	11	7	850	850	30	BM		
9/20/22	P8/10	S	/ N	3:28 PM	71	FC	11	7	850	850	6	BM		
9/20/22	P7/10	S	/ N	3:29 PM	71	FC	11	7	850	850	23	BM		
9/20/22	P7/11	S	/ N	3:42 PM	71	FC	11	7	850	850	12	BM		
9/20/22	P6/11	S	/ N	3:44 PM	71	FC	11	7	850	850	14	BM		
9/20/22	P6/12	S	/ N	3:45 PM	71	FC	11	7	850	850	20	BM		
9/20/22	P1/2	S	/ N	8:21 AM	60	GS	12	7.5	850	850	99	GF	DF-1	3' N OF SEOS
9/20/22	P2/3	S	/ N	8:45 AM	60	GS	12	7.5	850	850	97	GF		
9/20/22	P6/7	S	/ N	9:25 AM	60	GS	12	7.5	850	850	57	GF		
9/20/22	P5/6	S	/ N	9:45 AM	60	GS	12	7.5	850	850	80	GF		
9/20/22	P13/14	E	/ W	1:20 AM	68	GS	32	7.5	850	850	86	RM		
9/20/22	P16/17	E	/ W	1:57 AM	69	GS	32	7.5	850	850	89	RM	DF-4	54' W OF EEOS
9/20/22	P18/19	E	/ W	2:17 AM	69	GS	32	7.5	850	850	92	RM		
9/20/22	P20/21	E	/ W	2:50 AM	71	GS	32	7.5	850	850	99	RM		
9/21/22	P24/25	E	/ W	7:30 AM	52	GS	42	7.5	850	850	97	RM	DF-6	3' W OF EEOS
9/21/22	P25/26	E	/ W	8:20 AM	51	GS	42	7.5	850	850	34	RM		
9/21/22	P26/27	E	/ W	8:15 AM	58	GS	42	7.5	850	850	35	RM		
9/21/22	P25/27	E	/ W	8:52 AM	55	GS	42	7.5	850	850	67	RM		
9/21/22	P27/28	E	/ W	9:18 AM	56	GS	42	7.5	850	850	43	RM		
9/21/22	P28/29	E	/ W	9:46 AM	56	GS	42	7.5	850	850	41	RM		
9/21/22	P27/29	E	/ W	9:03 AM	56	GS	42	7.5	850	850	56	RM		
9/21/22	P27/30	E	/ W	9:41 AM	56	GS	42	7.5	850	850	5	RM		
9/21/22	P34/35	E	/ W	10:39 AM	55	GS	42	7.5	850	850	109	RM		
9/21/22	P35/36	E	/ W	11:10 AM	53	GS	42	7.5	850	850	112	RM	DF-8	7' W OF EEOS
9/21/22	P37/38	E	/ W	11:38 AM	53	GS	42	7.5	850	850	113	RM		
9/21/22	P39/40	E	/ W	1:03 PM	54	GS	42	7.5	850	850	119	RM		
9/21/22	P41/42	E	/ W	1:19 PM	54	GS	42	7.5	850	850	123	RM		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/21/22	P42/43	E	W	2:30 PM	52	GS	42	7.5	850	850	127	RM	DF-10	3' W OF EEOS
9/21/22	P21/22	E	W	7:06 AM	53	FC	11	8.5	850	850	100	BM	DF-5	80' W OF EEOS
9/21/22	P22/23	E	W	7:31 AM	53	FC	11	8.5	850	850	100	BM		
9/21/22	P23/24	E	W	8:10 AM	53	FC	11	8.5	850	850	100	BM	DF-11	98' W OF EEOS
9/21/22	P29/30	S	N	8:47 AM	53	FC	11	10	850	850	23	BM		
9/21/22	P29/31	E	W	9:03 AM	56	FC	11	8.5	850	850	100	BM		
9/21/22	P30/31	E	W	9:19 AM	56	FC	11	8.5	850	850	7	BM		
9/21/22	P31/32	E	W	9:41 AM	56	FC	11	8.5	850	850	108	BM		
9/21/22	P32/33	E	W	10:36 AM	55	FC	11	8.5	850	850	109	BM		
9/21/22	P33/34	E	W	10:58 AM	55	FC	11	8.5	850	850	111	BM	DF-7	8' W OF EEOS
9/21/22	P36/37	E	W	11:35 AM	55	FC	11	8.5	850	850	113	BM		
9/21/22	P38/39	E	W	12:55 PM	55	FC	11	8.5	850	850	117	BM		
9/21/22	P40/41	E	W	1:45 PM	53	FC	11	8.5	850	850	121	BM	DF-9	120' W OF EEOS
9/23/22	P44/45	E	W	7:36 AM	39	GS	42	8.5	850	850	131	RM		
9/23/22	P49/51	N	S	9:05 AM	42	GS	42	8.5	850	850	313	RM	DF-14	210' N OF SEOS
9/23/22	P51/53	E	W	9:46 AM	48	GS	42	8.5	850	850	23	RM		
9/23/22	P49/53	N	S	9:55 AM	49	GS	42	8.5	850	850	33	RM		
9/23/22	P50/53	N	S	10:00 AM	49	GS	42	8.5	850	850	17	RM		
9/23/22	P50/54	N	S	10:03 AM	50	GS	42	8.5	850	850	25	RM		
9/23/22	P52/54	N	S	10:06 AM	50	GS	42	8.5	850	850	50	RM		
9/23/22	P15/58	N	S	10:59 AM	55	GS	42	8.5	850	850	12	RM		
9/23/22	P16/58	N	S	11:06 AM	55	GS	42	8.5	850	850	21	RM		
9/23/22	P17/58	N	S	11:08 AM	55	GS	42	8.5	850	850	12	RM		
9/23/22	P17/55	N	S	11:10 AM	55	GS	42	8.5	850	850	11	RM		
9/23/22	P18/55	N	S	11:12 AM	55	GS	42	8.5	850	850	22	RM		
9/23/22	P19/51	N	S	11:16 AM	55	GS	42	8.5	850	850	10	RM		
9/23/22	P19/55	N	S	11:18 AM	56	GS	42	8.5	850	850	13	RM		
9/23/22	P20/51	N	S	11:20 AM	56	GS	42	8.5	850	850	22	RM		
9/23/22	P21/51	N	S	11:23 AM	56	GS	42	8.5	850	850	12	RM		
9/23/22	P21/49	N	S	11:25 AM	56	GS	42	8.5	850	850	10	RM		
9/23/22	P22/49	N	S	11:29 AM	56	GS	42	8.5	850	850	22	RM		
9/23/22	P23/49	N	S	11:31 AM	56	GS	42	8.5	850	850	7	RM		
9/23/22	P23/47	N	S	11:32 AM	57	GS	42	8.5	850	850	15	RM		
9/23/22	P24/47	N	S	11:33 AM	58	GS	42	8.5	850	850	22	RM		
9/23/22	P25/47	N	S	11:36 AM	58	GS	42	8.5	850	850	3	RM		NOT WELDED
9/23/22	P27/47	N	S	11:39 AM	58	GS	42	8.5	850	850	8	RM		
9/23/22	P30/47	N	S	11:41 AM	58	GS	42	8.5	850	850	23	RM	DF-16	3' N OF SEOS
9/23/22	P31/47	N	S	11:44 AM	58	GS	42	8.5	850	850	23	RM		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/23/22	P32/47	N	/ S	11:45 AM	58	GS	42	8.5	850	850	22	RM		
9/23/22	P33/47	N	/ S	11:47 AM	58	GS	42	8.5	850	850	22	RM		
9/23/22	P34/47	N	/ S	11:50 AM	58	GS	42	8.5	850	850	23	RM		
9/23/22	P35/47	N	/ S	12:53 PM	58	GS	42	8.5	850	850	22	RM		
9/23/22	P36/47	N	/ S	12:57 PM	58	GS	42	8.5	850	850	22	RM		
9/23/22	P37/47	N	/ S	1:00 PM	58	GS	42	8.5	850	850	22	RM		
9/23/22	P38/47	N	/ S	1:03 PM	58	GS	42	8.5	850	850	22	RM		
9/23/22	P39/47	N	/ S	1:06 PM	58	GS	42	8.5	850	850	22	RM		
9/23/22	P40/47	N	/ S	1:10 PM	58	GS	42	8.5	850	850	21	RM		
9/23/22	P41/47	N	/ S	1:13 PM	58	GS	42	8.5	850	850	21	RM		
9/23/22	P42/47	N	/ S	1:15 PM	58	GS	42	8.5	850	850	20	RM		
9/23/22	P42/48	N	/ S	1:16 PM	58	GS	42	8.5	850	850	3	RM		
9/23/22	P43/48	N	/ S	1:16 PM	59	GS	42	8.5	850	850	22	RM		
9/23/22	P44/48	N	/ S	1:17 PM	59	GS	42	8.5	850	850	22	RM		
9/23/22	P61/64	N	/ S	1:35 PM	59	GS	42	8.5	850	850	318	RM	DF-19	148' N OF SEOS
9/23/22	P61/65	N	/ S	2:12 PM	59	GS	42	8.5	850	850	17	RM		
9/23/22	P62/65	N	/ S	2:13 PM	59	GS	42	8.5	850	850	239	RM		
9/23/22	P69/72	N	/ S	3:08 PM	63	GS	42	8.5	850	850	126	RM	DF-23	54' N OF SEOS
9/23/22	P70/72	N	/ S	3:23 PM	63	GS	42	8.5	850	850	205	RM		
9/23/22	P70/73	N	/ S	3:46 PM	63	GS	42	8.5	850	850	126	RM		
9/23/22	P45/46	E	/ W	8:00 AM	47	SP	12	7.5	850	850	133	BM	DF-12	7' W OF EEOS
9/23/22	P47/48	W	/ E	8:56 AM	47	SP	12	7.5	850	850	22	BM		
9/23/22	P49/50	W	/ E	9:06 AM	50	SP	12	7.5	850	850	23	BM		
9/23/22	P50/52	W	/ W	9:14 AM	50	SP	12	7.5	850	850	22	BM		
9/23/22	P53/54	W	/ E	9:20 AM	50	SP	12	7.5	850	850	22	BM		
9/23/22	P56/57	W	/ E	9:44 AM	50	SP	12	7.5	850	850	23	BM		
9/23/22	P58/59	W	/ E	10:01 AM	52	SP	12	7.5	850	850	22	BM		
9/23/22	P55/58	S	/ N	10:10 AM	52	SP	12	7.5	850	850	290	BM	DF-15	240' N OF SEOS
9/23/22	P55/59	S	/ N	10:56 AM	52	SP	12	7.5	850	850	39	BM		
9/23/22	P56/59	S	/ N	11:09 AM	55	SP	12	7.5	850	850	60	BM		
9/23/22	P59/60	W	/ E	11:28 AM	55	SP	12	7.5	850	850	23	BM		
9/23/22	P61/62	W	/ E	11:54 AM	55	SP	12	7.5	850	850	22	BM		
9/23/22	P56/60	S	/ N	1:04 PM	61	SP	12	8	850	850	22	BM		
9/23/22	P57/60	S	/ N	1:11 PM	61	SP	12	8	850	850	70	BM		
9/23/22	P60/63	W	/ E	1:24 PM	61	SP	12	8	850	850	23	BM		
9/23/22	P57/63	S	/ N	1:33 PM	61	SP	12	8	850	850	20	BM		
9/23/22	P64/65	W	/ E	1:46 PM	61	SP	12	8	850	850	22	BM		
9/23/22	P67/68	W	/ E	1:56 PM	61	SP	12	8	850	850	23	BM		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/23/22	P66/69	S	/ N	2:18 PM	63	SP	12	8	850	850	49	BM		
9/23/22	P67/69	S	/ N	2:24 PM	63	SP	12	8	850	850	106	BM	DF-21	57' N OF EOS
9/23/22	P67/70	S	/ N	2:36 PM	63	SP	12	8	850	850	226	BM		
9/23/22	P68/70	S	/ N	3:18 PM	63	SP	12	8	850	850	103	BM		
9/23/22	P68/71	S	/ N	3:29 PM	63	SP	12	8	850	850	69	BM		
9/23/22	P72/73	W	/ E	3:40 PM	63	SP	12	8	850	850	22	BM	DF-22	22' E OF WEOS
9/23/22	P71/73	S	/ N	3:47 PM	63	SP	12	8	850	850	71	BM		
9/23/22	P69/70	W	/ E	4:06 PM	65	SP	12	8	850	850	23	BM		
9/23/22	P66/67	W	/ E	4:12 PM	65	SP	12	8	850	850	22	BM		
9/23/22	P43/44	E	/ W	7:56 AM	40	FC	11	7	850	850	135	BM		
9/23/22	P47/49	S	/ N	8:50 AM	47	FC	11	7	850	850	291	BM		
9/23/22	P47/50	S	/ N	9:23 AM	50	FC	11	7	850	850	37	BM		
9/23/22	P48/50	S	/ N	9:36 AM	50	FC	11	7	850	850	2	BM		
9/23/22	P48/52	S	/ N	9:37 AM	50	FC	11	7	850	850	48	BM	DF-13	15' N OF EOS
9/23/22	P55/56	W	/ E	9:49 AM	50	FC	11	7	850	850	23	BM		
9/23/22	P51/55	S	/ N	10:00 AM	52	FC	11	7	850	850	284	BM		
9/23/22	P51/56	S	/ N	10:45 AM	52	FC	11	7	850	850	44	BM		
9/23/22	P53/56	S	/ N	10:51 AM	52	FC	11	7	850	850	35	BM		
9/23/22	P53/57	S	/ N	10:56 AM	52	FC	11	7	850	850	16	BM		
9/23/22	P54/57	S	/ N	11:06 AM	55	FC	11	7	850	850	75	BM	DF-17	45' N OF SEOS
9/23/22	P58/61	S	/ N	11:40 AM	55	FC	11	7	850	850	301	BM		
9/23/22	P58/62	S	/ N	1:36 PM	61	FC	11	10	850	850	31	BM		
9/23/22	P59/62	S	/ N	1:39 PM	61	FC	11	10	850	850	96	BM		
9/23/22	P60/62	S	/ N	1:58 PM	61	FC	11	10	850	850	93	BM	DF-18	23' N OF SEOS
9/23/22	P62/63	S	/ N	2:03 PM	63	FC	11	10	850	850	20	BM		
9/23/22	P70/71	S	/ N	2:10 PM	63	FC	11	10	850	850	22	BM		
9/23/22	P64/66	W	/ E	2:30 PM	63	FC	11	10	850	850	75	BM		
9/23/22	P64/67	S	/ N	2:43 PM	63	FC	11	10	850	850	245	BM		
9/23/22	P65/67	S	/ N	3:11 PM	63	FC	11	10	850	850	88	BM	DF-20	48' N OF SEOS
9/23/22	P65/68	S	/ N	3:22 PM	63	FC	11	10	850	850	170	BM		
9/23/22	P1/72	W	/ E	3:54 PM	63	FC	11	12	850	850	21	BM		
9/23/22	P2/69	W	/ E	3:56 PM	63	FC	11	12	850	850	23	BM		
9/23/22	P3/69	W	/ E	3:57 PM	63	FC	11	12	850	850	14	BM		
9/23/22	P3/66	W	/ E	4:00 PM	65	FC	11	12	850	850	9	BM		
9/23/22	P4/66	W	/ E	4:01 PM	65	FC	11	12	850	850	23	BM		
9/23/22	P5/64	W	/ E	4:03 PM	65	FC	11	12	850	850	18	BM		
9/23/22	P13/64	S	/ N	4:06 PM	65	FC	11	12	850	850	17	BM		
9/23/22	P13/61	S	/ N	4:10 PM	65	FC	11	12	850	850	7	BM		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/23/22	P14/61	S	/ N	4:11 PM	65	FC	11	12	850	850	23	BM		
9/23/22	P15/61	S	/ N	4:13 PM	65	FC	11	12	850	850	10	BM	DF-31	10' N OF SEOS
9/26/22	P46/74	E	/ W	8:28 AM	45	FC	11	8	850	850	125	DK	DF-25	15' W OF EEOS
9/26/22	P75/76	E	/ W	9:05 AM	45	FC	11	8	850	850	100	DK		
9/26/22	P77/78	E	/ W	9:42 AM	45	FC	11	8	850	850	74	DK		
9/26/22	P83/84	N	/ S	10:06 AM	45	FC	11	8	850	850	120	DK		
9/26/22	P84/85	N	/ S	10:26 AM	45	FC	11	8	850	850	105	DK	DF-26	71' S OF NEOS
9/26/22	P85/86	N	/ S	10:54 AM	50	FC	11	8	850	850	93	DK		
9/26/22	P86/87	N	/ S	11:15 AM	50	FC	11	8	850	850	77	DK		
9/26/22	P91/92	N	/ S	11:34 AM	50	FC	11	8	850	850	58	DK		
9/26/22	P83/93	N	/ S	1:01 PM	55	FC	11	12	850	850	23	DK		
9/26/22	P92/93	N	/ S	1:09 PM	55	FC	11	12	850	850	124	DK		
9/26/22	P94/95	N	/ S	1:45 PM	60	FC	11	12	850	850	140	DK	DF-28	72' S OF NEOS
9/26/22	P97/98	N	/ S	2:08 PM	60	FC	11	12	850	850	52	DK		
9/26/22	P98/99	N	/ S	2:15 PM	60	FC	11	12	850	850	88	DK		
9/26/22	P81/89	N	/ S	2:50 PM	60	FC	11	12	850	850	4	DK		
9/26/22	P81/90	N	/ S	2:55 PM	60	FC	11	12	850	850	17	DK		
9/26/22	P80/89	N	/ S	2:57 PM	60	FC	11	12	850	850	24	DK		
9/26/22	P80/88	N	/ S	2:58 PM	60	FC	11	12	850	850	4	DK		
9/26/22	P79/88	N	/ S	3:02 PM	60	FC	11	12	850	850	22	DK		
9/26/22	P79/87	N	/ S	3:07 PM	60	FC	11	12	850	850	4	DK		
9/26/22	P78/87	N	/ S	3:21 PM	60	FC	11	12	850	850	24	DK		
9/26/22	P77/86	N	/ S	3:22 PM	60	FC	11	12	850	850	22	DK		
9/26/22	P76/86	N	/ S	3:24 PM	60	FC	11	12	850	850	7	DK		
9/26/22	P76/85	N	/ S	3:25 PM	60	FC	11	12	850	850	17	DK		
9/26/22	P75/85	N	/ S	3:26 PM	60	FC	11	12	850	850	13	DK		
9/26/22	P75/84	N	/ S	3:27 PM	60	FC	11	12	850	850	11	DK		
9/26/22	P74/84	N	/ S	3:28 PM	60	FC	11	12	850	850	17	DK		
9/26/22	P74/83	N	/ S	3:30 PM	60	FC	11	12	850	850	7	DK		
9/26/22	P46/83	N	/ S	3:30 PM	60	FC	11	12	850	850	23	DK		
9/26/22	P74/75	E	/ W	8:40 AM	46	GS	42	7.5	850	850	113	RM	DF-24	77' W OF EEOS
9/26/22	P76/77	E	/ W	9:07 AM	52	GS	42	7.5	850	850	90	RM		
9/26/22	P81/82	S	/ N	9:32 AM	53	GS	42	7.5	850	850	12	RM		
9/26/22	P80/81	E	/ W	9:45 AM	53	GS	42	7.5	850	850	30	RM		
9/26/22	P79/80	E	/ W	9:59 AM	55	GS	42	7.5	850	850	42	RM		
9/26/22	P78/79	E	/ W	10:15 AM	55	GS	42	7.5	850	850	57	RM		
9/26/22	P87/88	S	/ N	10:38 AM	55	GS	42	7.5	850	850	80	RM		
9/26/22	P88/89	S	/ N	10:58 AM	57	GS	42	7.5	850	850	44	RM		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/26/22	P89/90	S	/ N	11:20 AM	57	GS	42	7.5	850	850	27	RM		
9/26/22	P82/90	N	/ S	11:24 AM	59	GS	42	7.5	850	850	11	RM		
9/26/22	P83/92	S	/ N	11:40 AM	62	GS	42	7.5	850	850	66	RM	DF-27	25' S OF NEOS
9/26/22	P93/94	S	/ N	1:15 PM	63	GS	42	7.5	850	850	118	RM		
9/26/22	P83/91	S	/ N	1:37 PM	63	GS	42	7.5	850	850	50	RM		
9/26/22	P95/96	S	/ N	1:48 PM	63	GS	42	7.5	850	850	150	RM		
9/26/22	P96/100	S	/ N	2:39 PM	63	GS	42	7.5	850	850	35	RM		
9/26/22	P99/100	S	/ N	2:46 PM	63	GS	42	7.5	850	850	123	RM	DF-29	87' S OF NEOS
9/26/22	P96/99	S	/ N	3:20 PM	63	GS	42	7.5	850	850	38	RM		
9/26/22	P96/98	S	/ N	3:26 PM	63	GS	42	7.5	850	850	30	RM		
9/26/22	P98/99	S	/ N	3:35 PM	63	GS	42	7.5	850	850	86	RM		
9/26/22	P96/97	S	/ N	3:40 PM	63	GS	42	7.5	850	850	37	RM		
9/27/22	P45/91	S	/ N	7:44 AM	45	FC	11	10	850	850	16	BM		
9/27/22	P48/91	E	/ W	7:51 AM	47	FC	11	10	850	850	17	BM		
9/27/22	P48/92	E	/ W	7:54 AM	47	FC	11	10	850	850	4	BM		
9/27/22	P52/92	E	/ W	8:05 AM	47	FC	11	10	850	850	19	BM		
9/27/22	P52/93	E	/ W	8:08 AM	48	FC	11	10	850	850	4	BM		
9/27/22	P54/93	E	/ W	8:09 AM	48	FC	11	10	850	850	19	BM	DF-30	2' W OF EEOS
9/27/22	P54/94	E	/ W	8:11 AM	48	FC	11	10	850	850	4	BM		
9/27/22	P57/94	E	/ W	8:12 AM	49	FC	11	10	850	850	19	BM		
9/27/22	P57/95	E	/ W	8:14 AM	49	FC	11	10	850	850	4	BM		
9/27/22	P63/95	E	/ W	8:15 AM	49	FC	11	10	850	850	19	BM		
9/27/22	P63/96	E	/ W	8:16 AM	49	FC	11	10	850	850	4	BM		
9/27/22	P62/96	E	/ W	8:17 AM	49	FC	11	10	850	850	19	BM		
9/27/22	P62/97	E	/ W	8:20 AM	49	FC	11	10	850	850	4	BM		
9/27/22	P65/97	E	/ W	8:21 AM	49	FC	11	10	850	850	22	BM		
9/27/22	P68/98	E	/ W	8:24 AM	49	FC	11	10	850	850	3	BM		
9/27/22	P68/98	E	/ W	8:25 AM	49	FC	11	10	850	850	19	BM		
9/27/22	P71/98	E	/ W	8:34 AM	49	FC	11	10	850	850	3	BM		CAPPED D179
9/27/22	P71/99	E	/ W	8:35 AM	49	FC	11	10	850	850	20	BM		
9/27/22	P73/99	E	/ W	8:36 AM	49	FC	11	10	850	850	6	BM		CAPPED D180
9/27/22	P73/100	E	/ W	8:37 AM	49	FC	11	10	850	850	15	BM		
9/28/22	P102/103	W	/ E	7:28 AM	40	GS	42	7.5	850	850	23	RM		
9/28/22	P103/104	W	/ E	8:17 AM	40	GS	42	7.5	850	850	22	RM		
9/28/22	P108/109	W	/ E	8:34 AM	46	GS	42	7.5	850	850	22	RM		
9/28/22	P105/108	N	/ S	8:45 AM	47	GS	42	7.5	850	850	50	RM		
9/28/22	P106/108	N	/ S	8:52 AM	47	GS	42	7.5	850	850	26	RM		
9/28/22	P106/109	N	/ S	9:07 AM	47	GS	42	7.5	850	850	25	RM		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/28/22	P107/109	N	/ S	9:10 AM	53	GS	42	7.5	850	850	37	RM		
9/28/22	P107/111	N	/ S	9:15 AM	53	GS	42	7.5	850	850	7	RM		
9/28/22	P110/111	N	/ S	9:27 AM	54	GS	42	7.5	850	850	13	RM		
9/28/22	P110/112	N	/ S	9:29 AM	53	GS	42	7.5	850	850	22	RM	DF-42	12' E OF WEOS
9/28/22	P115/116	N	/ S	9:50 AM	55	GS	42	7.5	850	850	105	RM		
9/28/22	P116/117	N	/ S	10:31 AM	56	GS	42	7.5	850	850	103	RM	DF-34	3' N OF SEOS
9/28/22	P117/118	N	/ S	10:48 AM	56	GS	42	7.5	850	850	111	RM		
9/28/22	P124/125	N	/ S	1:15 PM	60	GS	42	7.5	850	850	73	RM		
9/28/22	P129/130	N	/ S	1:31 PM	60	GS	42	7.5	850	850	37	RM		
9/28/22	P109/126	E	/ W	2:13 PM	59	GS	42	7.5	850	850	21	RM		
9/28/22	P109/125	E	/ W	2:14 PM	59	GS	42	7.5	850	850	21	RM		
9/28/22	P108/124	E	/ W	2:26 PM	59	GS	42	7.5	850	850	18	RM		
9/28/22	P106/107	W	/ E	8:23 AM	40	SP	12	6.5	850	850	23	DK		
9/28/22	P107/110	W	/ E	8:38 AM	45	SP	12	6.5	850	850	22	DK		
9/28/22	P109/111	W	/ E	8:52 AM	45	SP	12	6.5	850	850	23	DK		
9/28/22	P111/112	W	/ E	9:02 AM	45	SP	12	6.5	850	850	22	DK		
9/28/22	P72/101	S	/ N	9:18 AM	45	SP	12	6.5	850	850	76	DK		
9/28/22	P72/102	S	/ N	9:36 AM	50	SP	12	6.5	850	850	88	DK		
9/28/22	P72/103	S	/ N	9:50 AM	50	SP	12	6.5	850	850	50	DK		
9/28/22	P72/104	S	/ N	10:06 AM	50	SP	12	6.5	850	850	93	DK	DF-33	50' N OF SEOS
9/28/22	P73/104	S	/ N	10:29 AM	50	SP	12	6.5	850	850	60	DK		
9/28/22	P73/113	S	/ N	10:39 AM	50	SP	12	6.5	850	850	152	DK		
9/28/22	P121/122	S	/ N	11:37 AM	50	SP	12	6.5	850	850	90	DK		
9/28/22	P125/126	W	/ E	1:10 PM	55	SP	12	8.5	850	850	60	DK		
9/28/22	P127/128	W	/ E	1:24 PM	55	SP	12	8.5	850	850	37	DK		
9/28/22	P130/131	W	/ E	1:35 PM	55	SP	12	8.5	850	850	45	DK	DF-36	18' E OF WEOS
9/28/22	P133/134	W	/ E	1:50 PM	50	SP	12	8.5	850	850	27	DK		
9/28/22	P101/102	W	/ E	7:50 AM	40	FC	11	6.5	850	850	23	DK		
9/28/22	P105/106	W	/ E	8:09 AM	40	FC	11	6.5	850	850	22	DK		
9/28/22	P101/105	S	/ N	8:25 AM	40	FC	11	7	850	850	46	DK		
9/28/22	P102/105	S	/ N	8:34 AM	45	FC	11	7	850	850	36	DK		
9/28/22	P102/106	S	/ N	8:42 AM	45	FC	11	7	850	850	53	DK		
9/28/22	P103/107	S	/ N	8:49 AM	45	FC	11	7	850	850	44	DK		
9/28/22	P103/110	S	/ N	8:56 AM	45	FC	11	7	850	850	7	DK		
9/28/22	P104/110	S	/ N	8:57 AM	45	FC	11	7	850	850	53	DK		
9/28/22	P104/113	W	/ E	9:21 AM	45	FC	11	6.5	850	850	22	DK	DF-32	10' E OF WEOS
9/28/22	P1/114	S	/ N	9:40 AM	50	FC	11	7	850	850	90	DK		
9/28/22	P114/115	S	/ N	10:15 AM	50	FC	11	7	850	850	98	DK		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/28/22	P118/119	S	/ N	10:45 AM	50	FC	11	7	850	850	47	DK		
9/28/22	P119/120	S	/ N	11:00 AM	50	FC	11	7	850	850	38	DK		
9/28/22	P118/120	S	/ N	11:07 AM	50	FC	11	7	850	850	57	DK		
9/28/22	P120/121	S	/ N	11:18 AM	50	FC	11	7	850	850	94	DK		
9/28/22	P122/123	W	/ E	11:44 AM	50	FC	11	7	850	850	38	DK	DF-35	28' N OF SEOS
9/28/22	P123/124	W	/ E	12:59 PM	55	FC	11	8	850	850	23	DK		
9/28/22	P-122/124	W	/ E	1:07 PM	55	FC	11	8	850	850	49	DK		
9/28/22	P126/127	W	/ E	1:18 PM	55	FC	11	8	850	850	47	DK		
9/28/22	P128/129	W	/ E	1:31 PM	55	FC	11	8	850	850	35	DK		
9/28/22	P131/132	W	/ E	1:43 PM	50	FC	11	8	850	850	37	DK		
9/28/22	P132/133	W	/ E	1:50 PM	50	FC	11	8	850	850	31	DK		
9/28/22	P104/134	N	/ S	2:01 PM	40	FC	11	8	850	850	22	DK		
9/28/22	P104/133	N	/ S	2:10 PM	40	FC	11	8	850	850	23	DK		
9/28/22	P104/132	N	/ S	2:14 PM	40	FC	11	8	850	850	22	DK		
9/28/22	P104/131	N	/ S	2:17 PM	40	FC	11	8	850	850	23	DK		
9/28/22	P110/130	N	/ S	2:24 PM	40	FC	11	8	850	850	29	DK		
9/28/22	P112/129	N	/ S	2:30 PM	40	FC	11	8	850	850	20	DK		
9/28/22	P110/129	N	/ S	2:28 PM	40	FC	11	8	850	850	3	DK		CAPPED D194
9/28/22	P112/128	N	/ S	2:32 PM	40	FC	11	8	850	850	3	DK		CAPPED D195
9/28/22	P111/128	N	/ S	2:35 PM	40	FC	11	8	850	850	22	DK		
9/28/22	P109/127	N	/ S	2:40 PM	40	FC	11	8	850	850	21	DK	DF-38	10'S OF NEOS
9/28/22	P108/121	S	/ N	2:31 PM	58	GS	42	7.5	850	850	22	DK		
9/28/22	P108/120	E	/ W	2:38 PM	58	GS	42	7.5	850	850	17	DK		
9/28/22	P108/118	E	/ W	2:40 PM	58	GS	42	7.5	850	850	5	DK		
9/28/22	P105/117	E	/ W	2:44 PM	58	GS	42	7.5	850	850	18	DK		
9/28/22	P105/116	E	/ W	2:48 PM	58	GS	42	7.5	850	850	18	DK	DF-37	3' W OF EEOS
9/28/22	P101/115	E	/ W	2:52 PM	58	GS	42	7.5	850	850	4	DK		
9/28/22	P101/114	E	/ W	2:53 PM	58	GS	42	7.5	850	850	21	DK		
9/29/22	P135/136	S	/ N	10:37 AM	56	GS	42	7.5	850	850	162	RM		
9/29/22	P138/139	S	/ N	11:42 AM	57	GS	42	7.5	850	850	167	RM		
9/29/22	P141/142	S	/ N	1:11 PM	60	GS	42	7.5	850	850	172	RM	DF-40	103' N OF SEOS
9/29/22	P144/145	S	/ N	2:10 PM	59	GS	42	7.5	850	850	75	RM		
9/29/22	P146/147	S	/ N	3:00 PM	59	GS	42	7.5	850	850	76	RM		
9/29/22	P100/135	N	/ S	10:59 AM	60	FC	11	9.5	850	850	159	DK		
9/29/22	P137/138	N	/ S	11:40 AM	60	FC	11	9.5	850	850	176	DK		
9/29/22	P140/141	N	/ S	12:50 PM	60	FC	11	9.5	850	850	162	DK	DF-39	120' S OF NEOS
9/29/22	P143/144	N	/ S	1:58 PM	60	FC	11	9.5	850	850	75	DK		
9/29/22	P143/145	N	/ S	2:10 PM	60	FC	11	9.5	850	850	92	DK		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/29/22	P145/147	N	/ S	2:59 PM	60	FC	11	9.5	850	850	88	DK		
9/29/22	P136/137	N	/ S	11:06 AM	60	SP	12	8.5	850	850	182	DK		
9/29/22	P139/140	N	/ S	11:43 AM	60	SP	12	8.5	850	850	169	DK		
9/29/22	P142/143	N	/ S	1:14 PM	60	SP	12	8.5	850	850	171	DK	DF-41	60' S OF NEOS
9/29/22	P145/146	N	/ S	2:58 PM	60	SP	12	8.5	850	850	77	DK		
9/30/22	P147/148	N	/ S	8:07 AM	40	FC	11	7.5	850	850	165	DK		
9/30/22	P145/148	N	/ S	8:42 AM	50	FC	11	7.5	850	850	44	DK	DF-44	16' S OF NEOS
9/30/22	P153/154	W	/ E	9:05 AM	50	FC	11	7.5	850	850	128	DK		
9/30/22	P156/157	W	/ E	11:04 AM	60	FC	11	7.5	850	850	138	DK		
9/30/22	P159/160	W	/ E	11:34 AM	60	FC	11	7.5	850	850	147	DK		
9/30/22	P157/160	W	/ E	11:54 AM	60	FC	11	7.5	850	850	32	DK		
9/30/22	P160/163	W	/ E	1:03 PM	60	FC	11	9	850	850	53	DK	DF-46	7' E OF WEOS
9/30/22	P160/162	W	/ E	1:16 PM	60	FC	11	9	850	850	58	DK		
9/30/22	P162/163	W	/ E	1:31 PM	60	FC	11	9	850	850	121	DK		
9/30/22	P165/166	W	/ E	2:06 PM	60	FC	11	9	850	850	150	DK		
9/30/22	P167/168	W	/ E	2:38 PM	60	FC	11	9	850	850	158	DK	DF-48	100' E OF WEOS
9/30/22	P168/169	W	/ E	3:13 PM	50	FC	11	9	850	850	159	DK		
9/30/22	P148/149	S	/ N	8:20 AM	49	GS	42	7	850	850	39	RM		
9/30/22	P148/150	S	/ N	8:26 AM	49	GS	42	7	850	850	62	RM	DF-43	34' S OF NEOS
9/30/22	P148/151	S	/ N	8:52 AM	49	GS	42	7	850	850	65	RM		
9/30/22	P154/155	S	/ N	11:30 AM	55	GS	42	7	850	850	51	RM		
9/30/22	P154/156	S	/ N	11:38 AM	56	GS	42	7	850	850	123	RM		
9/30/22	P154/157	S	/ N	11:50 AM	56	GS	42	7	850	850	41	RM		
9/30/22	P161/162	E	/ W	1:32 PM	58	GS	42	7	850	850	58	RM		
9/30/22	P163/164	E	/ W	2:25 PM	58	GS	42	7	850	850	62	RM		
9/30/22	P163/165	E	/ W	2:35 PM	58	GS	42	7	850	850	84	RM	DF-49	80' E OF WEOS
9/30/22	P163/166	E	/ W	3:01 PM	60	GS	42	7	850	850	28	RM		
9/30/22	P160/166	E	/ W	3:05 PM	60	GS	42	7	850	850	10	RM		
9/30/22	P149/150	W	/ E	7:56 AM	40	SP	12	7.5	850	850	44	GF		
9/30/22	P150/151	W	/ E	8:24 AM	45	SP	12	7.5	850	850	109	GF		
9/30/22	P151/152	W	/ E	8:50 AM	50	SP	12	7.5	850	850	60	GF		
9/30/22	P152/153	W	/ E	9:04 AM	50	SP	12	7.5	850	850	64	GF	DF-45	7' E OF WEOS
9/30/22	P151/153	W	/ E	9:17 AM	50	SP	12	7.5	850	850	65	GF		
9/30/22	P151/154	W	/ E	9:29 AM	55	SP	12	7.5	850	850	37	GF		
9/30/22	P155/156	W	/ E	11:03 AM	60	SP	12	7.5	850	850	56	GF		
9/30/22	P158/159	W	/ E	11:30 AM	60	SP	12	7.5	850	850	59	GF		
9/30/22	P157/158	W	/ E	11:46 AM	60	SP	12	7.5	850	850	58	GF		
9/30/22	P157/159	W	/ E	11:55 AM	60	SP	12	7.5	850	850	88	GF		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
9/30/22	P160/161	W	/ E	1:32 PM	61	SP	12	7.5	850	850	58	GF	DF-47	58' E OF WEOS
9/30/22	P164/165	W	/ E	2:06 PM	60	SP	12	7.5	850	850	66	GF		
9/30/22	P166/167	W	/ E	2:22 PM	61	SP	12	7.5	850	850	157	GF		
9/30/22	P169/170	W	/ E	2:59 PM	61	SP	12	7.5	850	850	160	GF		
10/1/22	P171/172	S	/ N	7:46 AM	40	GS	42	7	850	850	156	BM		
10/1/22	P172/173	S	/ N	7:39 AM	40	SP	12	6.5	850	850	144	BM	DF-50	100' N OF SEOS
10/1/22	P173/174	S	/ N	8:34 AM	48	SP	12	6.5	850	850	143	BM		
10/1/22	P170/171	S	/ N	1:05 PM	56	SP	12	6.5	850	850	156	BM		
10/11/22	P174/175	N	/ S	9:27 AM	49	AG	11	7	850	850	136	BM	DF-51	4' N OF SEOS
10/11/22	P175/177	N	/ S	9:52 AM	49	AG	11	7	850	850	18	BM		
10/11/22	P176/177	N	/ S	10:04 AM	50	AG	11	7	850	850	16	BM		
10/11/22	P173/176	W	/ E	10:19 AM	50	AG	11	7	850	850	23	BM		
10/11/22	P174/177	W	/ E	10:24 AM	50	AG	11	7	850	850	22	BM		
10/11/22	P172/176	S	/ N	10:40 AM	50	AG	11	7	850	850	15	BM		
10/11/22	P179/180	S	/ N	11:04 AM	52	AG	11	7	850	850	44	BM		
10/11/22	P185/186	W	/ E	11:40 AM	52	AG	11	7	850	850	115	BM		
10/11/22	P186/188	W	/ E	1:07 PM	56	AG	11	6	850	850	76	BM		
10/11/22	P187/188	W	/ E	1:21 PM	56	AG	11	6	850	850	26	BM		
10/11/22	P186/187	W	/ E	1:27 PM	56	AG	11	6	850	850	20	BM	DF-54	5' E OF WEOS
10/11/22	P191/192	W	/ E	1:44 PM	56	AG	11	6	850	850	38	BM		
10/11/22	P193/194	W	/ E	2:14 PM	55	AG	11	6	850	850	21	BM		
10/11/22	P194/195	W	/ E	2:24 PM	55	AG	11	6	850	850	19	BM		
10/11/22	P196/197	S	/ N	2:26 PM	55	AG	11	6	850	850	52	BM		
10/11/22	P178/179	S	/ N	9:30 AM	45	GS	42	7	850	850	155	RB		
10/11/22	P175/178	S	/ N	10:07 AM	45	GS	42	7	850	850	157	RB	DF-52	155' N OF SEOS
10/11/22	P181/182	W	/ E	11:00 AM	50	GS	42	7	850	850	61	RB		
10/11/22	P179/181	S	/ N	10:55 AM	50	GS	42	7	850	850	30	RB		
10/11/22	P184/185	W	/ E	11:32 AM	50	GS	42	7	850	850	120	RB		
10/11/22	P189/190	W	/ E	1:22 AM	56	GS	42	7	850	850	85	RB		
10/11/22	P192/193	W	/ E	1:54 AM	56	GS	42	8	850	850	37	RB		
10/11/22	P191/193	W	/ E	2:11 AM	56	GS	42	8	850	850	56	RB		
10/11/22	P197/198	S	/ N	2:54 AM	55	GS	42	8	850	850	78	RB	DF-56	77' N OF SEOS
10/11/22	P179/183	S	/ N	10:25 AM	50	SP	12	7	850	850	29	RB		
10/11/22	P179/182	S	/ N	10:40 AM	50	SP	12	7	850	850	32	RB		
10/11/22	P182/183	W	/ E	10:47 AM	50	SP	12	7	850	850	85	RB	DF-53	76' E OF WEOS
10/11/22	P180/181	W	/ E	11:07 AM	50	SP	12	6	850	850	33	RB		
10/11/22	P179/184	S	/ N	11:28 AM	50	SP	12	7	850	850	14	RB		
10/11/22	P183/184	W	/ E	11:35 AM	50	SP	12	7	850	850	105	RB		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
10/11/22	P186/189	W	E	1:01 AM	56	SP	12	7	850	850	11	RB		
10/11/22	P188/189	W	E	1:04 AM	56	SP	12	7	850	850	100	RB		
10/11/22	P190/191	W	E	1:34 AM	56	SP	12	7	850	850	87	RB		
10/11/22	P193/195	W	E	2:05 AM	56	SP	12	7	850	850	55	RB		
10/11/22	P195/196	W	E	2:31 AM	56	SP	12	7	850	850	53	RB		
10/11/22	P195/197	W	E	2:39 AM	56	SP	12	7	850	850	16	RB		
10/11/22	P193/197	W	E	2:41 AM	56	SP	12	7	850	850	18	RB	DF-55	12' E OF WEOS
10/11/22	P198/199	S	N	3:00 AM	55	SP	12	7	850	850	67	RB		
10/12/22	P199/200	S	N	9:10 AM	45	SP	12	7	850	850	64	BM		
10/12/22	P200/201	S	N	9:24 AM	45	SP	12	7	850	850	63	BM		
10/12/22	P201/202	S	N	9:36 AM	45	SP	12	7	850	850	60	BM		
10/12/22	P202/203	S	N	9:46 AM	45	SP	12	7	850	850	50	BM		
10/12/22	P203/204	S	N	9:56 AM	45	SP	12	7	850	850	47	BM	DF-57	45' N OF SEOS
10/13/22	P206/207	W	E	7:36 AM	32	AG	11	7	850	850	276	DK	DF-58	272' E OF WEOS
10/13/22	P208/209	E	W	8:41 AM	36	AG	11	7	850	850	227	DK		
10/13/22	P209/211	E	W	9:26 AM	38	AG	11	7	850	850	45	DK		
10/13/22	P210/211	S	W	8:59 AM	36	AG	11	6	850	850	22	DK		
10/13/22	P209/210	E	W	9:31 AM	40	AG	11	7	850	850	75	DK		
10/13/22	P140/209	E	W	9:42 AM	40	AG	11	7	850	850	10	DK		
10/13/22	P141/209	E	W	9:44 AM	40	AG	11	7	850	850	23	DK		
10/13/22	P142/209	N	S	9:48 AM	40	AG	11	7	850	850	29	DK		
10/13/22	P145/208	N	S	9:55 AM	42	AG	11	7	850	850	28	DK		
10/13/22	P145/207	N	S	9:59 AM	42	AG	11	7	850	850	3	DK		
10/13/22	P148/207	N	S	9:59 AM	42	AG	11	7	850	850	19	DK	DF-60	8' S OF NEOS
10/13/22	P148/206	N	S	10:00 AM	42	AG	11	7	850	850	4	DK		
10/13/22	P166/206	N	S	10:03 AM	42	AG	11	7	850	850	14	DK		
10/13/22	P166/205	N	S	10:05 AM	42	AG	11	7	850	850	22	DK		
10/13/22	P167/205	W	E	10:10 AM	42	AG	11	7	850	850	22	DK		
10/13/22	P168/205	W	E	10:12 AM	42	AG	11	7	850	850	21	DK		
10/13/22	P169/205	W	E	10:18 AM	42	AG	11	7	850	850	22	DK		
10/13/22	P170/205	W	E	10:21 AM	42	AG	11	7	850	850	22	DK		
10/13/22	P171/205	W	E	10:25 AM	42	AG	11	7	850	850	23	DK		
10/13/22	P172/205	W	E	10:28 AM	42	AG	11	7	850	850	23	DK		
10/13/22	P176/205	W	E	10:32 AM	42	AG	11	7	850	850	23	DK		
10/13/22	P177/205	W	E	10:36 AM	42	AG	11	7	850	850	22	DK		
10/13/22	P175/205	W	E	10:39 AM	42	AG	11	7	850	850	22	DK		
10/13/22	P178/205	W	E	10:42 AM	42	AG	11	7	850	850	22	DK		
10/13/22	P179/205	W	E	10:45 AM	42	AG	11	7	850	850	22	DK		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
10/13/22	P180/205	W	E	10:50 AM	42	AG	11	7	850	850	22	DK		
10/13/22	P205/206	W	E	7:27 AM	32	SP	12	7	850	850	277	RB		
10/13/22	P207/208	W	E	8:17 AM	35	SP	12	7	850	850	240	RB	DF-59	203' W OF EEOS
10/13/22	P214/215	S	N	9:07 AM	36	SP	12	7	850	850	25	RB		
10/13/22	P215/216	S	N	9:11 AM	36	SP	12	7	850	850	34	RB		
10/13/22	P134/214	S	N	9:20 AM	37	SP	12	7	850	850	25	RB		
10/13/22	P207/214	E	W	9:36 AM	39	SP	12	7	850	850	16	RB		
10/13/22	P207/215	E	W	9:42 AM	40	SP	12	7	850	850	22	RB		
10/13/22	P208/216	E	W	9:46 AM	40	SP	12	7	850	850	21	RB		
10/13/22	P213/216	S	N	9:57 AM	40	SP	12	7	850	850	21	RB		
10/13/22	P209/213	E	W	10:06 AM	42	SP	12	7	850	850	32	RB		
10/13/22	P212/213	S	N	9:26 AM	38	SP	12	7	850	850	21	RB		
10/13/22	P209/212	E	W	10:12 AM	42	SP	12	7	850	850	24	RB		
10/13/22	P211/212	E	W	10:16 AM	42	SP	12	7	850	850	45	RB		
10/13/22	P137/210	E	W	10:27 AM	42	SP	12	7	850	850	24	RB		
10/13/22	P138/210	E	W	10:32 AM	42	SP	12	7	850	850	23	RB		
10/13/22	P139/210	E	W	10:36 AM	42	SP	12	7	850	850	23	RB		
10/13/22	P140/210	N	S	10:42 AM	42	SP	12	7	850	850	13	RB		
10/13/22	P104/214	E	W	10:53 AM	45	SP	12	7	850	850	6	RB		
10/13/22	P113/214	E	W	10:55 AM	45	SP	12	7	850	850	14	RB		
10/13/22	P113/215	E	W	10:57 AM	45	SP	12	7	850	850	21	RB		
10/13/22	P113/216	E	W	11:01 AM	45	SP	12	7	850	850	20	RB	DF-61	11' W OF EEOS
10/13/22	P113/213	E	W	11:06 AM	45	SP	12	7	850	850	34	RB		
10/13/22	P113/212	E	W	11:15 AM	45	SP	12	7	850	850	64	RB		
10/13/22	P136/212	N	S	11:25 AM	45	SP	12	7	850	850	21	RB		
10/14/22	P218/219	W	E	7:32 AM	35	SP	12	6	850	850	22	RB		
10/14/22	P217/219	S	N	7:41 AM	35	SP	12	7	850	850	116	RB		
10/14/22	P217/218	S	N	8:05 AM	35	SP	12	7	850	850	90	RB		
10/14/22	P221/222	S	N	8:29 AM	38	SP	12	7	850	850	40	RB		
10/14/22	P220/221	S	N	8:47 AM	38	SP	12	7	850	850	182	RB	DF-63	82' N OF SEOS
10/14/22	P180/217	S	N	9:26 AM	40	SP	12	6	850	850	20	RB		
10/14/22	P205/217	S	N	9:31 AM	40	SP	12	6	850	850	11	RB		
10/14/22	P205/218	S	N	9:33 AM	40	SP	12	6	850	850	12	RB		
10/14/22	P206/218	S	N	9:35 AM	40	SP	12	6	850	850	19	RB		
10/14/22	P207/220	S	N	9:55 AM	40	SP	12	6	850	850	15	RB		
10/14/22	P134/220	W	E	10:08 AM	42	SP	12	6	850	850	14	RB		
10/14/22	P124/221	S	N	10:13 AM	42	SP	12	6	850	850	4	RB		
10/14/22	P125/221	S	N	10:16 AM	42	SP	12	6	850	850	24	RB		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
10/14/22	P126/221	S	/ N	10:21 AM	42	SP	12	6	850	850	23	RB		
10/14/22	P127/221	S	/ N	10:31 AM	42	SP	12	6	850	850	24	RB		
10/14/22	P128/221	S	/ N	10:44 AM	45	SP	12	6	850	850	24	RB		
10/14/22	P129/221	S	/ N	10:57 AM	45	SP	12	6	850	850	25	RB		
10/14/22	P130/221	S	/ N	11:00 AM	45	SP	12	6	850	850	25	RB		
10/14/22	P131/221	S	/ N	11:04 AM	45	SP	12	6	850	850	24	RB		
10/14/22	P132/221	S	/ N	11:07 AM	45	SP	12	6	850	850	24	RB		
10/14/22	P133/221	S	/ N	11:10 AM	45	SP	12	6	850	850	22	RB		
10/14/22	P124/227	S	/ N	11:39 AM	48	SP	12	6	850	850	18	RB		
10/14/22	P123/227	S	/ N	11:41 AM	48	SP	12	6	850	850	15	RB		
10/14/22	P122/227	S	/ N	11:44 AM	50	SP	12	6	850	850	23	RB		
10/14/22	P121/230	W	/ E	11:47 AM	50	SP	12	6	850	850	18	RB	DF-65	9' W OF EEOS
10/14/22	P120/230	W	/ E	11:52 AM	50	SP	12	6	850	850	9	RB		
10/14/22	P193/223	N	/ S	1:04 PM	56	SP	12	6.5	850	850	21	RB		
10/14/22	P197/223	N	/ S	1:07 PM	56	SP	12	6.5	850	850	4	RB		
10/14/22	P198/223	W	/ E	1:08 PM	56	SP	12	6.5	850	850	24	RB		
10/14/22	P199/223	W	/ E	1:12 PM	56	SP	12	6.5	850	850	19	RB		
10/14/22	P199/224	W	/ E	1:14 PM	56	SP	12	6.5	850	850	4	RB		
10/14/22	P200/224	W	/ E	1:15 PM	56	SP	12	6.5	850	850	22	RB		
10/14/22	P201/224	W	/ E	1:30 PM	56	SP	12	6.5	850	850	22	RB		
10/14/22	P202/224	W	/ E	1:34 PM	56	SP	12	6.5	850	850	23	RB		
10/14/22	P203/224	W	/ E	1:37 PM	56	SP	12	6.5	850	850	23	RB		
10/14/22	P204/224	W	/ E	1:40 PM	56	SP	12	6.5	850	850	23	RB		
10/14/22	P219/220	S	/ N	7:43 AM	35	AG	11	7	850	850	86	RB		
10/14/22	P218/220	S	/ N	7:59 AM	35	AG	11	7	850	850	115	RB	DF-62	67' N OF SEOS
10/14/22	P219/222	S	/ N	8:31 AM	38	AG	11	7	850	850	30	RB		
10/14/22	P220/222	W	/ E	8:22 AM	38	AG	11	6	850	850	22	RB		
10/14/22	P189/217	S	/ N	9:05 AM	40	AG	11	6	850	850	10	RB		
10/14/22	P188/217	S	/ N	9:08 AM	40	AG	11	6	850	850	23	RB		
10/14/22	P187/217	S	/ N	9:12 AM	40	AG	11	6	850	850	5	RB		
10/14/22	P186/217	S	/ N	9:13 AM	40	AG	11	6	850	850	22	RB		
10/14/22	P185/217	S	/ N	9:35 AM	40	AG	11	6	850	850	21	RB		
10/14/22	P184/217	S	/ N	9:38 AM	40	AG	11	6	850	850	23	RB		
10/14/22	P183/217	S	/ N	9:42 AM	40	AG	11	6	850	850	23	RB		
10/14/22	P182/217	S	/ N	9:46 AM	40	AG	11	6	850	850	23	RB		
10/14/22	P181/217	S	/ N	9:50 AM	40	AG	11	6	850	850	22	RB		
10/14/22	P223/224	S	/ N	10:03 AM	48	AG	11	6	850	850	22	RB		
10/14/22	P223/225	W	/ E	10:09 AM	42	AG	11	7	850	850	63	RB		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Fusion Welding Summary



Seam Date	Seam Number	Seam Sections		Start Time	Ambient Temp (°F)	Operator	Machine Number	Speed Setting (ft/min)	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Remarks
		From	To						Setting (°F)	Actual (°F)				
10/14/22	P224/225	W	E	10:18 AM	42	AG	11	7	850	850	123	RB		
10/14/22	P225/226	W	E	10:43 AM	42	AG	11	7	850	850	171	RB	DF-64	22' E OF WEOS
10/14/22	P228/229	W	E	11:13 AM	42	AG	11	7	850	850	25	RB		
10/14/22	P227/228	W	E	11:20 AM	45	AG	11	7	850	850	53	RB		
10/14/22	P227/230	S	N	11:33 AM	45	AG	11	6	850	850	5	RB		
10/14/22	P226/229	W	E	11:44 AM	50	AG	11	7	850	850	36	RB		
10/14/22	P226/228	W	E	11:50 AM	50	AG	11	7	850	850	40	RB		
10/14/22	P226/227	W	E	11:57 AM	50	AG	11	7	850	850	32	RB		
10/14/22	P226/230	W	E	12:01 PM	50	AG	11	7	850	850	33	RB		
10/14/22	P190/225	S	N	1:08 PM	54	AG	11	7	850	850	21	RB		
10/14/22	P189/226	W	E	1:18 PM	54	AG	11	7	850	850	23	RB		
10/14/22	P217/226	W	E	1:23 PM	54	AG	11	7	850	850	8	RB		
10/14/22	P217/229	W	E	1:24 PM	54	AG	11	7	850	850	13	RB		
10/14/22	P219/229	W	E	1:26 PM	54	AG	11	7	850	850	8	RB		
10/14/22	P219/228	W	E	1:28 PM	54	AG	11	7	850	850	15	RB		
10/14/22	P222/228	W	E	1:30 PM	54	AG	11	7	850	850	8	RB		
10/14/22	P222/227	W	E	1:32 PM	54	AG	11	7	850	850	14	RB	DF-66	4' E OF WEOS
10/14/22	P221/227	W	E	1:34 PM	54	AG	11	7	850	850	10	RB		
10/15/22	P225/232	S	N	7:05 AM	37	AG	11	6	850	850	22	DK		
10/15/22	P226/231	N	S	7:12 AM	37	AG	11	6	850	850	23	DK		
10/15/22	P225/231	E	W	7:16 AM	37	AG	11	7	850	850	23	DK		
10/15/22	P231/232	E	W	7:21 AM	37	AG	11	7	850	850	48	DK		
10/15/22	P118/231	N	S	7:31 AM	38	AG	11	6	850	850	24	DK		
10/15/22	P119/231	N	S	7:33 AM	38	AG	11	6	850	850	6	DK		
10/15/22	P224/233	E	W	7:39 AM	38	AG	11	6	850	850	22	DK		
10/15/22	P224/232	N	S	7:44 AM	38	AG	11	7	850	850	8	DK		
10/15/22	P232/233	N	S	7:50 AM	38	AG	11	7	850	850	36	DK		
10/15/22	P204/234	E	W	7:56 AM	38	AG	11	7	850	850	39	DK		
10/15/22	P234/235	E	W	8:06 AM	39	AG	11	7	850	850	35	DK		
10/15/22	P224/234	N	S	8:18 AM	39	AG	11	6	850	850	15	DK		
10/15/22	P233/234	N	S	8:21 AM	39	AG	11	6	850	850	10	DK		
10/15/22	P233/235	N	S	8:23 AM	40	AG	11	6	850	850	22	DK		
10/15/22	P117/231	N	S	8:28 AM	40	AG	11	6	850	850	7	DK		
10/15/22	P231/236	N	S	8:29 AM	40	AG	11	6	850	850	12	DK	DF-67	1' W OF EEOS
10/15/22	P117/236	N	S	8:39 AM	40	AG	11	6	850	850	10	DK		
10/15/22	P118/236	N	S	8:42 AM	40	AG	11	6	850	850	12	DK		
10/15/22	P120/230	N	S	8:44 AM	40	AG	11	6	850	850	8	DK		



APPENDIX J.4 – PRIMARY GEOMEMBRANE EXTRUSION WELDING SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Extrusion Welding Summary



Seam Date	Seam Number	Seam Sections	Start Time	Ambient Temp (°F)	Operator	Machine Number	Pre-Heat Setting	Machine Temperature		Welded Seam Length (ft)	QA Monitor	Destructive Test Sample Number	Vacuum Test Results Pass/Fail	Remarks
		From / To						Setting (°F)	Actual (°F)					
10/3/22	P113/135	E / W	12:30 PM	53	JLO	1	550	550	550	23	BM		Pass	
10/3/22	P113/136	N / S	12:45 PM	53	JLO	1	550	550	550	9	BM		Pass	
10/3/22	P148/160	W / E	1:00 PM	53	JLO	1	550	550	550	20	BM	DX-07	Pass	19' S OF NEOS



APPENDIX J.5 – PRIMARY GEOMEMBRANE DESTRUCTIVE TESTING SUMMARIES

APPENDIX J.5.1 – PRIMARY GEOMEMBRANE FUSION DESTRUCTIVE TESTING SUMMARY

APPENDIX J.5.2 – PRIMARY GEOMEMBRANE EXTRUSION DESTRUCTIVE TESTING SUMMARY



APPENDIX J.5.1 – PRIMARY GEOMEMBRANE FUSION DESTRUCTIVE TESTING SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction



Primary Geomembrane Fusion Welding Destructive Testing Summary

Sample Number	Seam Number	Date Seamed	Welding Data		Date Tested	Test Results																QA Monitor
			Operator	Machine Number		Peel Strength (Minimum = 125 ppi)					Peel Strength (Minimum = 125 ppi)					Shear Strength (Minimum = 150 ppi)					Pass/Fail	
DF-1	P1/2	9/20/2022	GS	12	9/24/2022	203	216	180	196	171	195	188	190	182	175	205	181	183	220	219	P	BM
DF-2	P3/4	9/20/2022	FC	11	9/24/2022	201	194	192	179	193	207	208	209	211	188	213	234	207	228	216	P	BM
DF-3	P14/15	9/20/2022	FC	11	9/24/2022	195	173	181	191	185	187	194	177	183	183	221	215	233	212	193	P	BM
DF-4	P16/17	9/20/2022	GS	12	9/24/2022	173	181	190	185	191	175	180	187	179	187	202	197	194	206	193	P	BM
DF-5	P21/22	9/21/2022	FC	11	9/24/2022	191	193	185	197	192	197	181	195	185	185	191	214	193	216	195	P	BM
DF-6	P24/25	9/21/2022	GS	42	9/26/2022	175	187	182	183	179	184	176	190	180	174	195	213	198	210	199	P	BM
DF-7	P33/34	9/21/2022	FC	11	9/24/2022	187	191	173	180	168	178	180	193	171	190	203	219	221	205	209	P	BM
DF-8	P35/36	9/21/2022	GS	12	9/24/2022	178	180	193	171	190	191	174	187	183	178	216	199	217	223	208	P	BM
DF-9	P40/41	9/21/2022	FC	11	9/23/2022	165	173	189	193	182	190	188	198	212	202	212	211	212	228	227	P	BM
DF-10	P42/43	9/21/2022	GS	42	9/24/2022	188	179	188	176	176	171	184	190	183	181	208	214	202	219	201	P	BM
DF-11	P23/24	9/21/2022	FC	11	9/26/2022	169	183	171	191	184	178	181	194	181	174	199	205	212	1298	203	P	BM
DF-12	P45/46	9/23/2022	SP	12	9/24/2022	199	189	185	197	185	184	174	195	187	183	203	219	221	205	209	P	BM
DF-13	P48/52	9/23/2022	FC	11	9/24/2022	186	200	177	193	185	218	193	189	197	182	203	222	190	222	212	P	BM
DF-14	P49/51	9/23/2022	GS	42	9/24/2022	180	190	193	190	193	175	183	185	176	184	204	191	205	212	193	P	BM
DF-15	P55/58	9/23/2022	SP	12	9/24/2022	184	190	170	183	178	176	183	171	178	180	200	204	212	201	194	P	BM
DF-16	P30/47	9/23/2022	GS	42	9/24/2022	185	190	179	182	180	191	189	175	185	175	209	191	197	211	201	P	BM
DF-17	P54/57	9/23/2022	FC	11	9/24/2022	169	186	176	195	184	179	195	192	171	190	203	222	190	222	212	P	BM
DF-18	P60/62	9/23/2022	FC	11	9/24/2022	175	195	183	173	193	182	192	175	172	1810	200	197	197	215	219	P	BM
DF-19	P61/64	9/23/2022	GS	42	9/24/2022	179	181	193	184	178	190	178	191	179	192	194	204	202	217	203	P	BM
DF-20	P65/67	9/23/2022	FC	11	9/24/2022	175	184	174	187	183	189	174	185	181	181	211	218	213	216	211	P	BM
DF-21	P67/69	9/23/2022	SP	12	9/24/2022	176	181	186	182	187	190	176	178	190	196	191	214	193	216	195	P	BM
DF-22	P72/73	9/23/2022	SP	12	9/24/2022	170	180	190	182	197	182	191	193	203	191	218	228	218	228	221	P	BM
DF-23	P69/72	9/23/2022	GS	42	9/24/2022	189	181	185	190	184	177	180	190	197	179	204	191	205	212	193	P	BM
DF-24	P74/75	9/26/2022	GS	42	9/27/2022	183	191	189	195	181	180	192	178	184	177	210	213	203	216	209	P	BM
DF-25	P46/74	9/26/2022	FC	11	9/27/2022	196	206	179	183	179	184	195	184	190	179	211	216	200	219	217	P	BM
DF-26	P84/85	9/26/2022	FC	11	9/27/2022	190	198	183	197	186	194	196	178	185	181	195	222	197	210	195	P	BM
DF-27	P83/92	9/26/2022	GS	42	9/27/2022	173	177	182	181	183	208	173	166	194	172	223	231	213	221	205	P	BM
DF-28	P94/95	9/26/2022	FC	11	9/27/2022	208	229	206	219	211	207	245	212	208	209	246	255	253	255	240	P	BM
DF-29	P99/100	9/26/2022	GS	42	9/27/2022	212	213	233	249	229	208	227	211	219	215	256	269	256	262	248	P	BM
DF-30	P54/93	9/27/2022	FC	11	9/27/2022	195	202	205	206	195	194	203	182	196	188	190	199	191	207	199	P	BM
DF-31	P15/61	9/23/2022	FC	11	9/29/2022	200	214	221	235	190	204	223	232	227	221	259	239	242	260	245	P	BM
DF-32	P104/113	9/28/2022	FC	11	9/29/2022	196	200	201	187	207	198	201	197	210	191	201	212	212	194	194	P	BM
DF-33	P72/104	9/28/2022	SP	12	9/29/2022	198	189	193	191	189	200	191	189	200	191	240	241	251	243	241	P	BM
DF-34	P116/117	9/28/2022	GS	42	9/29/2022	171	170	190	191	176	176	180	187	189	183	184	184	180	202	181	P	BM

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction



Primary Geomembrane Fusion Welding Destructive Testing Summary

Sample Number	Seam Number	Date Seamed	Welding Data		Date Tested	Test Results																QA Monitor
			Operator	Machine Number		Peel Strength (Minimum = 125 ppi)					Peel Strength (Minimum = 125 ppi)					Shear Strength (Minimum = 150 ppi)					Pass/Fail	
DF-35	P122/123	9/28/2022	FC	11	9/29/2022	183	198	190	197	199	204	183	188	195	186	222	231	218	231	211	P	BM
DF-36	P130/131	9/28/2022	SP	12	9/29/2022	182	181	188	208	192	224	203	189	197	189	240	262	222	253	243	P	BM
DF-37	P105/116	9/28/2022	GS	42	9/29/2022	188	185	181	200	177	190	184	199	168	180	192	202	211	180	201	P	BM
DF-38	P109/127	9/28/2022	FC	11	9/29/2022	213	227	208	228	205	218	219	213	202	202	226	244	233	241	227	P	BM
DF-39	P140/141	9/29/2022	FC	11	10/1/2022	197	204	193	214	197	189	193	184	191	192	226	209	232	214	214	P	DK
DF-40	P141/142	9/29/2022	GS	42	10/1/2022	193	206	196	217	189	177	189	184	191	179	220	218	215	225	214	P	DK
DF-41	P142/143	9/30/2022	SP	12	10/1/2022	192	205	192	206	184	211	206	197	211	198	212	220	226	211	212	P	DK
DF-42	P110/112	9/30/2022	GS	42	10/1/2022	164	182	177	184	181	170	187	174	184	191	227	213	222	224	204	P	DK
DF-43	P148/150	9/30/2022	GS	42	10/1/2022	185	189	189	191	194	179	186	175	187	175	204	217	219	208	204	P	DK
DF-44	P145/148	9/30/2022	FC	11	10/1/2022	202	223	201	201	201	213	200	202	186	181	230	241	229	248	217	P	DK
DF-45	P152/153	9/30/2022	SP	12	10/1/2022	183	188	179	200	177	196	177	189	190	187	209	197	214	198	205	P	DK
DF-46	P160/163	9/30/2022	FC	11	10/1/2022	178	220	196	192	178	209	204	216	188	197	213	241	223	232	219	P	DK
DF-47	P160/161	9/30/2022	SP	12	10/1/2022	209	219	184	193	211	189	191	215	222	186	218	236	222	236	219	P	DK
DF-48	P167/168	9/30/2022	FC	11	10/1/2022	191	183	195	184	179	191	193	201	187	179	216	234	217	235	216	P	DK
DF-49	P163/165	9/30/2022	GS	42	10/1/2022	179	181	180	182	191	188	180	186	201	182	208	226	206	223	206	P	DK
DF-50	P172/173	10/1/2022	SP	12	10/1/2022	187	196	187	186	171	181	200	192	202	187	204	216	209	220	206	P	DK
DF-51	P174/175	10/11/2022	AG	11	10/12/2022	178	170	180	162	154	185	184	190	168	191	217	225	210	228	233	P	DK
DF-52	P175/178	10/11/2022	GS	42	10/12/2022	201	191	199	188	199	198	192	152	198	193	218	234	223	234	238	P	DK
DF-53	P182/183	10/11/2022	SP	12	10/12/2022	183	188	184	177	205	179	186	197	194	191	210	216	207	218	227	P	DK
DF-54	P186/188	10/11/2022	AG	11	10/12/2022	217	219	206	218	222	215	230	210	210	214	221	247	247	235	248	P	DK
DF-55	P193/197	10/11/2022	SP	12	10/12/2022	204	208	204	190	208	207	199	213	193	214	212	240	221	237	241	P	DK
DF-56	P197/198	10/11/2022	GS	42	10/12/2022	210	196	195	226	209	192	214	226	215	203	207	244	241	209	243	P	DK
DF-57	P203/204	10/12/2022	SP	12	10/12/2022	191	182	191	185	204	198	195	194	196	204	213	224	221	227	226	P	DK
DF-58	P206/207	10/13/2022	AG	11	10/13/2022	194	191	199	205	194	208	217	196	216	223	242	270	270	241	252	P	DK
DF-59	P207/208	10/13/2022	SP	12	10/13/2022	195	203	201	210	206	199	196	207	186	213	223	250	251	233	250	P	DK
DF-60	P148/207	10/13/2022	AG	11	10/13/2022	196	190	210	198	197	191	198	195	181	203	201	225	213	225	223	P	DK
DF-61	P113/216	10/13/2022	SP	12	10/14/2022	205	192	217	207	233	235	220	241	214	207	242	260	244	262	240	P	RB
DF-62	P218/220	10/14/2022	SP	12	10/14/2022	195	231	216	227	208	207	198	192	211	223	239	259	235	250	234	P	RB
DF-63	P220/221	10/14/2022	AG	11	10/14/2022	193	204	188	190	206	205	193	204	206	204	219	225	232	227	236	P	RB
DF-64	P225/226	10/14/2022	AG	11	10/14/2022	196	191	197	185	215	213	208	212	202	201	234	241	216	253	245	P	RB
DF-65	P121/230	10/14/2022	SP	12	10/14/2022	196	203	190	205	204	200	210	215	193	210	218	235	218	235	238	P	RB
DF-66	P222/227	10/14/2022	AG	11	10/14/2022	189	193	189	208	193	185	210	191	212	201	202	213	200	214	211	P	RB
DF-67	P231/236	10/15/2022	AG	11	10/19/2022	213	221	208	216	207	213	205	229	219	215	239	253	233	248	254	P	RB



APPENDIX J.5.2 – PRIMARY GEOMEMBRANE EXTRUSION DESTRUCTIVE TESTING SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction



Primary Geomembrane Extrusion Welding Destructive Testing Summary

Sample Number	Seam Number	Date Seamed	Welding Data		Date Tested	Test Results											QA Monitor	Remarks
			Operator	Machine Number		Peel Strength ¹ (Minimum = 114 ppi)					Shear Strength ¹ (Minimum = 150 ppi)					Pass/Fail		
DX-1	P45/D37	09/26/22	WL	83	09/27/22	168	187	179	207	166	244	251	231	251	238	P	BM	
DX-2	P64/D87	09/24/22	JLO	1	09/27/22	206	213	203	213	201	219	204	194	204	214	P	BM	
DX-3	P30/D57	09/27/22	WL	47	09/27/22	185	154	176	169	180	201	215	196	215	200	P	BM	
DX-4	P108/D216	10/03/22	SR	4	10/03/22	213	219	216	205	202	231	213	242	218	210	P	DK	
DX-5	P141/D251	10/03/22	JLO	1	10/03/22	196	196	212	214	188	216	234	213	232	212	P	DK	
DX-6	P151/154	10/03/22	WL	83	10/03/22	187	190	189	199	185	208	197	212	195	196	P	DK	
DX-7	P148/160	10/03/22	JLO	1	10/03/22	166	174	115	149	166	177	197	185	205	181	P	DK	
DX-8	P188/D306	10/12/22	SR	4	10/12/22	157	170	193	196	186	192	163	193	194	196	P	DK	
DX-9	P179/D298	10/12/22	JLO	1	10/12/22	174	187	178	194	191	178	189	201	191	199	P	DK	
DX-10	P134/D381	10/14/22	JLO	1	10/14/22	166	195	197	199	198	165	185	191	186	195	P	RB	



APPENDIX J.6 – PRIMARY GEOMEMBRANE PRESSURE TESTING SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/24/2022	P40/47	S	/	N	SR	1:00 PM	1:05 PM	30	30	0	P	DK	X		
9/24/2022	P40/41	W	/	E	SR	7:45 AM	7:50 AM	30	30	0	P	DK	X		
9/24/2022	P41/47	S	/	N	SR	7:40 AM	7:45 AM	30	29	1	P	DK	X		
9/24/2022	P41/42	W	/	E	SR	7:40 AM	7:45 AM	30	29	1	P	DK	X		
9/24/2022	P42/47	S	/	N	SR	7:35 AM	7:40 AM	30	30	0	P	DK	X		
9/24/2022	P42/43	W	/	E	SR	7:35 AM	7:40 AM	30	30	0	P	DK	X		
9/24/2022	P43/48	S	/	N	SR	7:27 AM	7:32 AM	30	30	0	P	DK	X		
9/24/2022	P43/44	W	/	E	SR	7:27 AM	7:32 AM	30	30	0	P	DK	X		
9/24/2022	P44/48	W	/	E	SR	7:27 AM	7:32 AM	30	30	0	P	DK	X		
9/24/2022	P20/21	W	/	D9	FC	12:52 PM	12:57 PM	35	34	1	P	DK		X	
9/24/2022	P20/21	D9	/	D129	FC	1:05 PM	1:10 PM	35	34	1	P	DK		X	
9/24/2022	P20/21	D129	/	E	FC	-	-	-	-	-	F	DK	X		CAPPED, D9
9/24/2022	P21/22	W	/	E	FC	1:32 PM	1:37 PM	36	33	3	P	DK	X		
9/24/2022	P21/49	S	/	N	FC	1:42 PM	1:47 PM	35	34	1	P	DK	X		
9/24/2022	P22/49	S	/	N	FC	1:42 PM	1:47 PM	35	34	1	P	DK	X		
9/24/2022	P22/23	W	/	E	FC	1:51 PM	1:56 PM	34	34	0	P	DK	X		
9/24/2022	P23/49	S	/	N	FC	1:51 PM	1:56 PM	35	34	1	P	DK	X		
9/24/2022	P23/47	S	/	N	FC	2:01 PM	2:06 PM	35	35	0	P	DK	X		
9/24/2022	P23/24	W	/	E	FC	2:03 PM	2:08 PM	38	38	0	P	DK	X		
9/24/2022	P24/47	S	/	N	FC	2:03 PM	2:08 PM	35	34	1	P	DK	X		
9/24/2022	P24/25	W	/	E	FC	2:09 PM	2:14 PM	35	35	0	P	DK	X		
9/24/2022	P25/27	W	/	E	FC	2:12 PM	2:17 PM	35	34	1	P	DK	X		
9/24/2022	P27/29	W	/	D23	FC	2:14 PM	2:19 PM	35	34	1	P	DK		X	
9/24/2022	P27/29	D23	/	E	FC	2:20 PM	2:25 PM	35	35	0	P	DK	X		
9/24/2022	P27/28	W	/	E	FC	2:25 PM	2:30 PM	35	34	1	P	DK	X		
9/24/2022	P28/29	W	/	E	FC	2:25 PM	2:30 PM	35	34	1	P	DK	X		
9/24/2022	P25/26	W	/	E	FC	2:30 PM	2:35 PM	35	34	1	P	DK	X		
9/24/2022	P26/27	W	/	E	FC	2:30 PM	2:35 PM	35	34	1	P	DK	X		
9/24/2022	P27/47	S	/	N	FC	2:37 PM	2:42 PM	34	34	0	P	DK	X		
9/24/2022	P25/47	S	/	N	FC	-	-	-	-	-	F	DK	X		CAPPED, D104
9/24/2022	P29/30	S	/	N	SR	2:07 PM	2:12 PM	30	30	0	P	DK	X		
9/24/2022	P29/31	W	/	E	SR	2:00 PM	2:05 PM	30	29	1	P	DK	X		
9/24/2022	P31/47	S	/	N	SR	2:10 PM	2:15 PM	30	30	0	P	DK	X		
9/24/2022	P31/32	W	/	E	SR	1:51 PM	1:56 PM	30	30	0	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/24/2022	P32/47	S	/	N	SR	1:51 PM	1:56 PM	30	30	0	P	DK	X		
9/24/2022	P32/33	W	/	E	SR	1:45 PM	1:50 PM	30	30	0	P	DK	X		
9/24/2022	P33/47	S	/	N	SR	1:45 PM	1:50 PM	30	29	1	P	DK	X		
9/24/2022	P33/34	W	/	E	SR	1:40 PM	1:45 PM	30	30	0	P	DK	X		
9/24/2022	P34/47	S	/	N	SR	1:40 PM	1:45 PM	30	30	0	P	DK	X		
9/24/2022	P34/35	W	/	E	SR	1:35 PM	1:40 PM	30	30	0	P	DK	X		
9/24/2022	P35/47	S	/	N	SR	1:35 PM	1:40 PM	30	30	0	P	DK	X		
9/24/2022	P35/36	W	/	E	SR	1:30 PM	1:35 PM	30	29	1	P	DK	X		
9/24/2022	P36/47	S	/	N	SR	1:30 PM	1:35 PM	30	30	0	P	DK	X		
9/24/2022	P36/37	W	/	E	SR	1:10 PM	1:15 PM	30	29	1	P	DK	X		
9/24/2022	P37/47	S	/	N	SR	1:06 PM	1:11 PM	32	30	2	P	DK	X		
9/24/2022	P37/38	W	/	E	SR	1:06 PM	1:11 PM	30	30	0	P	DK	X		
9/24/2022	P38/47	S	/	N	SR	1:06 PM	1:11 PM	30	29	1	P	DK	X		
9/24/2022	P38/39	W	/	E	SR	1:00 PM	1:05 PM	30	30	0	P	DK	X		
9/24/2022	P39/47	S	/	N	SR	1:00 PM	1:05 PM	30	30	0	P	DK	X		
9/24/2022	P39/40	W	/	E	SR	1:00 PM	1:05 PM	30	29	1	P	DK	X		
9/24/2022	P58/61	S	/	D58	FC	10:27 AM	10:32 AM	30	30	0	P	BM		X	
9/24/2022	P58/61	D58	/	D59	FC	10:49 AM	10:54 AM	34	33	1	P	BM		X	
9/24/2022	P58/61	D59	/	N	FC	11:05 AM	11:10 AM	30	30	0	P	BM	X		
9/24/2022	P61/62	E	/	W	SR	10:50 AM	10:55 AM	30	30	0	P	BM	X		
9/24/2022	P58/62	S	/	N	SR	10:50 AM	10:55 AM	30	30	0	P	BM	X		
9/24/2022	P58/59	W	/	E	SR	10:30 AM	10:35 AM	30	30	0	P	BM	X		
9/24/2022	P59/62	S	/	D127	SR	10:20 AM	10:25 AM	30	30	0	P	BM		X	
9/24/2022	P59/62	D127	/	N	SR	9:57 AM	10:02 AM	30	30	0	P	BM	X		
9/24/2022	P60/62	S	/	N	SR	9:33 AM	9:38 AM	30	30	0	P	BM	X		
9/24/2022	P62/63	S	/	N	SR	9:40 AM	9:45 AM	30	30	0	P	BM	X		
9/24/2022	P62/65	S	/	N	SR	11:00 AM	11:05 AM	30	29	1	P	BM	X		
9/24/2022	P61/65	N	/	S	SR	11:00 AM	11:05 AM	30	30	0	P	BM	X		
9/24/2022	P64/65	E	/	W	SR	11:05 AM	11:10 AM	30	30	0	P	BM	X		
9/24/2022	P61/64	S	/	N	SR	9:51 AM	9:56 AM	36	36	0	P	BM	X		
9/24/2022	P64/67	N	/	S	SR	11:15 AM	11:20 AM	30	29	1	P	BM	X		
9/24/2022	P65/67	S	/	N	SR	11:15 AM	11:20 AM	30	30	0	P	BM	X		
9/24/2022	P65/68	S	/	N	SR	11:20 AM	11:25 AM	30	29	1	P	BM	X		
9/24/2022	P67/68	E	/	W	SR	11:20 AM	11:25 AM	30	29	1	P	BM	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/24/2022	P68/71	S	/	N	SR	11:28 AM	11:33 AM	30	30	0	P	BM	X		
9/24/2022	P70/71	E	/	W	SR	11:29 AM	11:34 AM	30	29	1	P	BM	X		
9/24/2022	P51/53	E	/	W	SR	10:00 AM	10:05 AM	30	30	0	P	BM	X		
9/24/2022	P49/51	N	/	S	SR	9:05 AM	9:10 AM	30	30	0	P	BM	X		
9/24/2022	P53/54	W	/	E	SR	8:50 AM	8:55 AM	30	30	0	P	BM	X		
9/24/2022	P54/57	S	/	N	SR	8:50 AM	8:55 AM	30	30	0	P	BM	X		
9/24/2022	P53/57	N	/	S	SR	8:50 AM	8:55 AM	30	29	1	P	BM	X		
9/24/2022	P56/57	E	/	W	SR	8:52 AM	8:57 AM	30	30	0	P	BM	X		
9/24/2022	P53/56	N	/	S	SR	8:52 AM	8:57 AM	30	30	0	P	BM	X		
9/24/2022	P51/56	S	/	N	SR	9:50 AM	9:55 AM	30	30	0	P	BM	X		
9/24/2022	P51/55	N	/	S	SR	12:50 PM	12:55 PM	30	30	0	P	BM	X		
9/24/2022	P57/63	S	/	N	SR	9:35 AM	9:40 AM	30	30	0	P	BM	X		
9/24/2022	P60/63	E	/	W	SR	9:35 AM	9:40 AM	30	30	0	P	BM	X		
9/24/2022	P56/60	N	/	S	SR	9:10 AM	9:15 AM	30	30	0	P	BM	X		
9/24/2022	P59/60	E	/	N	SR	9:20 AM	9:25 AM	30	30	0	P	BM	X		
9/24/2022	P56/59	N	/	S	SR	9:20 AM	9:25 AM	30	30	0	P	BM	X		
9/24/2022	P55/56	W	/	E	SR	9:48 AM	9:53 AM	30	30	0	P	BM	X		
9/24/2022	P55/59	N	/	S	SR	9:48 AM	9:53 AM	30	30	0	P	BM	X		
9/24/2022	P55/58	N	/	D130	SR	10:45 AM	10:50 AM	30	30	0	P	BM		X	
9/24/2022	P55/58	D130	/	D131	SR	10:45 AM	10:50 AM	30	30	0	P	BM		X	
9/24/2022	P55/58	D131	/	D128	SR	12:40 PM	12:45 PM	30	30	0	P	BM		X	
9/24/2022	P55/58	D128	/	S	SR	11:01 AM	11:06 AM	36	35	1	P	BM	X		
9/24/2022	P13/61	S	/	N	FC	10:00 AM	10:05 AM	32	32	0	P	BM	X		
9/24/2022	P14/61	S	/	N	FC	10:05 AM	10:10 AM	36	36	0	P	BM	X		
9/24/2022	P15/61	S	/	N	FC	10:16 AM	10:21 AM	36	36	0	P	BM	X		
9/24/2022	P15/58	S	/	N	FC	10:30 AM	10:35 AM	30	29	1	P	BM	X		
9/24/2022	P16/58	N	/	S	FC	10:47 AM	10:52 AM	34	33	1	P	BM	X		
9/24/2022	P17/58	S	/	N	FC	10:47 AM	10:52 AM	36	35	1	P	BM	X		
9/24/2022	P17/55	S	/	N	FC	11:07 AM	11:12 AM	35	34	1	P	BM	X		
9/24/2022	P18/55	S	/	N	FC	11:07 AM	11:12 AM	35	34	1	P	BM	X		
9/24/2022	P19/55	N	/	S	FC	11:35 AM	11:40 AM	35	34	1	P	BM	X		
9/24/2022	P19/51	S	/	N	FC	-	-	-	-	-	F	BM	X		CAPPED, D97
9/24/2022	P20/51	N	/	S	FC	11:50 AM	11:55 AM	34	34	0	P	BM	X		
9/24/2022	P47/48	E	/	W	SR	7:35 AM	7:40 AM	30	29	1	P	BM	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/24/2022	P48/52	S	/	N	SR	8:05 AM	8:10 AM	30	29	1	P	BM	X		
9/24/2022	P49/50	W	/	E	SR	8:00 AM	8:05 AM	30	29	1	P	BM	X		
9/24/2022	P47/49	N	/	S	SR	8:20 AM	8:25 AM	30	30	0	P	BM	X		
9/24/2022	P50/52	W	/	E	SR	8:32 AM	8:37 AM	30	30	0	P	BM	X		
9/24/2022	P52/54	S	/	N	SR	8:37 AM	8:42 AM	30	30	0	P	BM	X		
9/24/2022	P50/54	N	/	S	SR	8:37 AM	8:42 AM	30	29	1	P	BM	X		
9/24/2022	P50/53	S	/	N	SR	8:30 AM	8:35 AM	30	30	0	P	BM	X		
9/24/2022	P49/53	N	/	S	SR	8:25 AM	8:30 AM	30	29	1	P	BM	X		
9/24/2022	P48/50	S	/	N	SR	-	-	-	-	-	F	BM	X		CAPPED, D40
9/24/2022	P7/8	N	/	S	FC	8:38 AM	8:43 AM	36	36	0	P	BM	X		
9/24/2022	P6/12	W	/	E	FC	8:06 AM	8:11 AM	33	32	1	P	BM	X		
9/24/2022	P6/11	W	/	E	FC	8:09 AM	8:14 AM	33	32	1	P	BM	X		
9/24/2022	P7/11	E	/	W	FC	8:23 AM	8:28 AM	34	33	1	P	BM	X		
9/24/2022	P7/10	W	/	E	FC	8:36 AM	8:41 AM	32	32	0	P	BM	X		
9/24/2022	P8/10	W	/	E	FC	-	-	-	-	-	F	BM	X		CAPPED, D124
9/24/2022	P8/9	W	/	D121	FC	8:53 AM	8:58 AM	34	33	1	P	BM		X	
9/24/2022	P8/9	D121	/	E	FC	9:10 AM	9:15 AM	36	36	0	P	BM	X		
9/24/2022	P9/10	W	/	E	FC	8:53 AM	8:58 AM	34	34	0	P	BM	X		
9/24/2022	P10/11	W	/	E	FC	9:22 AM	9:27 AM	35	34	1	P	BM	X		
9/24/2022	P11/12	W	/	E	FC	8:06 AM	8:11 AM	31	31	0	P	BM	X		
9/24/2022	P12/13	W	/	E	FC	7:56 AM	8:01 AM	35	34	1	P	BM	X		
9/24/2022	P13/14	W	/	E	FC	10:06 AM	10:11 AM	34	34	0	P	BM	X		
9/24/2022	P14/15	W	/	E	FC	10:16 AM	12:21 PM	38	38	0	P	BM	X		
9/24/2022	P15/16	W	/	E	FC	10:31 AM	10:36 AM	35	34	1	P	BM	X		
9/24/2022	P16/17	W	/	E	FC	10:47 AM	10:52 AM	36	35	1	P	BM	X		
9/24/2022	P17/18	W	/	E	FC	11:07 AM	11:12 AM	34	34	0	P	BM	X		
9/24/2022	P18/19	W	/	D126	FC	11:28 AM	11:33 AM	34	34	0	P	BM		X	
9/24/2022	P18/19	D126	/	E	FC	11:39 AM	11:44 AM	35	34	1	P	BM	X		
9/24/2022	P13/64	S	/	N	FC	9:56 AM	10:01 AM	36	36	0	P	BM	X		
9/24/2022	P1/2	N	/	D2	FC	6:49 AM	6:54 AM	35	33	2	P	BM		X	
9/24/2022	P1/2	D23	/	D120	FC	7:16 AM	7:21 AM	36	36	0	P	BM		X	
9/24/2022	P1/2	D120	/	S	FC	7:13 AM	7:18 AM	35	35	0	P	BM	X		
9/24/2022	P1/72	E	/	W	FC	6:44 AM	6:49 AM	31	31	0	P	BM	X		
9/24/2022	P69/72	S	/	N	FC	6:46 AM	6:51 AM	35	34	1	P	BM	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/24/2022	P2/69	W	/	E	FC	6:51 AM	6:56 AM	33	33	0	P	BM	X		
9/24/2022	P2/3	N	/	S	FC	7:23 AM	7:28 AM	35	35	0	P	BM	X		
9/24/2022	P3/69	W	/	E	FC	7:23 AM	7:28 AM	36	34	2	P	BM	X		
9/24/2022	P66/69	S	/	N	FC	7:24 AM	7:29 AM	36	34	2	P	BM	X		
9/24/2022	P3/66	W	/	E	FC	7:25 AM	7:30 AM	34	33	1	P	BM	X		
9/24/2022	P4/66	W	/	E	FC	7:28 AM	7:33 AM	34	34	0	P	BM	X		
9/24/2022	P3/4	N	/	D122	FC	7:35 AM	7:40 AM	35	35	0	P	BM		X	
9/24/2022	P3/4	D122	/	S	FC	7:37 AM	7:42 AM	35	35	0	P	BM	X		
9/24/2022	P64/66	S	/	N	FC	7:45 AM	7:50 AM	36	35	1	P	BM	X		
9/24/2022	P5/64	E	/	W	FC	7:46 AM	7:51 AM	35	35	0	P	BM	X		
9/24/2022	P4/5	N	/	D4	FC	7:43 AM	7:48 AM	33	33	0	P	BM		X	
9/24/2022	P4/5	D4	/	S	FC	9:29 AM	9:34 AM	36	36	0	P	BM	X		
9/24/2022	P5/6	N	/	D5	FC	7:51 AM	7:56 AM	35	35	0	P	BM		X	
9/24/2022	P5/6	D5	/	S	FC	7:57 AM	8:02 AM	35	35	0	P	BM	X		
9/24/2022	P6/7	N	/	S	FC	8:20 AM	8:25 AM	34	34	0	P	BM	X		
9/24/2022	P68/70	S	/	N	SR	11:25 AM	11:30 AM	30	30	0	P	BM	X		
9/24/2022	P67/70	N	/	D74	SR	11:25 AM	11:30 AM	30	29	1	P	BM		X	
9/24/2022	P67/70	D74	/	SEOS	SR	11:45 AM	11:50 AM	30	29	1	P	BM	X		
9/24/2022	P69/70	E	/	W	SR	12:30 PM	12:35 PM	30	30	0	P	BM	X		
9/24/2022	P67/69	N	/	S	SR	2:20 PM	2:25 PM	30	30	0	P	BM	X		
9/24/2022	P70/72	N	/	S	SR	11:40 AM	11:45 AM	30	30	0	P	BM	X		
9/24/2022	P72/73	E	/	W	SR	11:40 AM	11:45 AM	30	29	1	P	BM	X		
9/24/2022	P70/73	N	/	S	SR	11:35 AM	11:40 AM	30	29	1	P	BM	X		
9/24/2022	P71/73	S	/	N	SR	11:35 AM	11:40 AM	30	29	1	P	BM	X		
9/24/2022	P66/67	E	/	W	SR	12:31 PM	12:36 PM	30	30	0	P	BM	X		
9/24/2022	P21/51	N	/	S	SR	12:56 PM	1:01 PM	35	34	1	P	BM	X		
9/24/2022	P19/20	E	/	W	SR	11:50 AM	11:55 AM	35	35	0	P	BM	X		
9/24/2022	P27/30	W	/	E	SR	-	-	-	-	-	F	BM	X		CAPPED, D105
9/24/2022	P30/47	S	/	N	SR	2:05 PM	2:10 PM	33	30	3	P	BM	X		
9/24/2022	P30/31	W	/	E	SR	-	-	-	-	-	F	BM	X		CAPPED, D106
9/24/2022	P57/60	N	/	S	SR	9:10 AM	9:15 AM	30	29	1	P	DK	X		
9/24/2022	P47/50	N	/	S	SR	8:00 AM	8:05 AM	30	30	0	P	DK	X		
9/27/2022	P95/96	N	/	S	SR	10:10 AM	10:15 AM	30	30	0	P	DK	X		
9/27/2022	P96/99	N	/	S	SR	10:15 AM	10:20 AM	30	30	0	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/27/2022	P99/100	N	/	S	SR	10:30 AM	10:35 AM	30	29	1	P	DK	X		
9/27/2022	P96/98	N	/	S	SR	10:18 AM	10:23 AM	30	30	0	P	DK	X		
9/27/2022	P98/99	N	/	S	SR	10:45 AM	10:50 AM	30	30	0	P	DK	X		
9/27/2022	P73/100	W	/	E	SR	10:33 AM	10:38 AM	30	30	0	P	DK	X		
9/27/2022	P71/99	W	/	E	SR	10:40 AM	10:45 AM	30	30	0	P	DK	X		
9/27/2022	P68/98	E	/	W	SR	10:41 AM	10:46 AM	30	29	1	P	DK	X		
9/27/2022	P97/98	S	/	N	SR	10:48 AM	10:53 AM	30	30	0	P	DK	X		
9/27/2022	P65/97	E	/	W	SR	10:50 AM	10:55 AM	30	30	0	P	DK	X		
9/27/2022	P96/97	S	/	N	SR	11:00 AM	11:05 AM	30	30	0	P	DK	X		
9/27/2022	P62/96	E	/	W	SR	11:00 AM	11:05 AM	30	30	0	P	DK	X		
9/27/2022	P63/95	E	/	W	SR	11:01 AM	11:06 AM	30	30	0	P	DK	X		
9/27/2022	P94/95	S	/	N	SR	11:06 AM	11:11 AM	30	30	0	P	DK	X		
9/27/2022	P57/94	E	/	W	SR	11:09 AM	11:14 AM	30	29	1	P	DK	X		
9/27/2022	P93/94	S	/	N	SR	11:15 AM	11:20 AM	30	30	0	P	DK	X		
9/27/2022	P54/93	E	/	W	SR	11:15 AM	11:20 AM	30	30	0	P	DK	X		
9/27/2022	P52/92	W	/	E	SR	11:18 AM	11:23 AM	30	29	1	P	DK	X		
9/27/2022	P45/49	W	/	E	SR	11:24 AM	11:29 AM	30	30	0	P	DK	X		
9/27/2022	P45/46	W	/	E	SR	11:08 AM	11:13 AM	30	30	0	P	DK	X		
9/27/2022	P86/87	S	/	D167	SR	9:00 AM	9:05 AM	30	30	0	P	DK	X		
9/27/2022	P77/78	S	/	N	SR	9:05 AM	9:10 AM	30	30	0	P	DK	X		
9/27/2022	P78/87	S	/	N	SR	9:05 AM	9:10 AM	30	29	1	P	DK	X		
9/27/2022	P78/79	S	/	N	SR	9:08 AM	9:13 AM	30	29	1	P	DK	X		
9/27/2022	P87/88	S	/	N	SR	9:15 AM	9:20 AM	30	29	1	P	DK	X		
9/27/2022	P79/88	S	/	N	SR	9:15 AM	9:20 AM	30	29	1	P	DK	X		
9/27/2022	P79/80	S	/	N	SR	9:28 AM	9:33 AM	30	30	0	P	DK	X		
9/27/2022	P88/89	S	/	N	SR	9:30 AM	9:35 AM	30	30	0	P	DK	X		
9/27/2022	P80/89	S	/	N	SR	9:28 AM	9:33 AM	30	30	0	P	DK	X		
9/27/2022	P80/81	S	/	N	SR	9:35 AM	9:40 AM	30	30	0	P	DK	X		
9/27/2022	P89/90	S	/	N	SR	9:35 AM	9:40 AM	30	30	0	P	DK	X		
9/27/2022	P81/90	S	/	N	SR	9:36 AM	9:41 AM	30	29	1	P	DK	X		
9/27/2022	P81/89	S	/	N	SR	-	-	-	-	-	F	DK	X		CAPPED, D162
9/27/2022	P81/82	W	/	E	SR	9:45 AM	9:50 AM	30	30	0	P	DK	X		
9/27/2022	P82/90	S	/	N	SR	9:45 AM	9:50 AM	30	30	0	P	DK	X		
9/27/2022	P85/86	D166	/	N	SR	9:55 AM	10:00 AM	30	30	0	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/27/2022	P86/87	D167	/	N	SR	9:50 AM	9:55 AM	30	30	0	P	DK	X		
9/27/2022	P83/93	S	/	N	SR	10:03 AM	10:08 AM	30	30	0	P	DK	X		
9/27/2022	P92/93	N	/	S	SR	10:00 AM	10:05 AM	30	30	0	P	DK	X		
9/27/2022	P96/100	N	/	S	SR	10:10 AM	10:15 AM	30	29	1	P	DK	X		
9/27/2022	P83/92	S	/	N	SR	7:45 AM	7:50 AM	30	30	0	P	DK	X		
9/27/2022	P83/91	N	/	S	SR	7:45 AM	7:50 AM	30	30	0	P	DK	X		
9/27/2022	P91/92	N	/	D139	SR	7:49 AM	7:54 AM	30	30	0	P	DK		X	
9/27/2022	P91/92	D139	/	D141	SR	8:00 AM	8:05 AM	30	30	0	P	DK		X	
9/27/2022	P91/92	D141	/	S	SR	8:01 AM	8:06 AM	30	30	0	P	DK	X		
9/27/2022	P84/85	W	/	E	SR	8:07 AM	8:12 AM	30	29	1	P	DK	X		
9/27/2022	P74/75	E	/	W	SR	8:10 AM	8:15 AM	30	30	0	P	DK	X		
9/27/2022	P46/74	E	/	W	SR	8:14 AM	8:19 AM	30	30	0	P	DK	X		
9/27/2022	P46/83	N	/	S	SR	8:20 AM	8:25 AM	30	29	1	P	DK	X		
9/27/2022	P74/83	N	/	S	SR	8:22 AM	8:27 AM	30	30	0	P	DK	X		
9/27/2022	P83/84	S	/	N	SR	8:25 AM	8:30 AM	30	29	1	P	DK	X		
9/27/2022	P74/84	S	/	N	SR	8:30 AM	8:35 AM	30	30	0	P	DK	X		
9/27/2022	P75/84	S	/	N	SR	8:35 AM	8:40 AM	30	30	0	P	DK	X		
9/27/2022	P75/85	S	/	N	SR	8:35 AM	8:40 AM	30	30	0	P	DK	X		
9/27/2022	P75/76	E	/	W	SR	8:35 AM	8:40 AM	30	29	1	P	DK	X		
9/27/2022	P76/85	N	/	S	SR	8:45 AM	8:50 AM	30	30	0	P	DK	X		
9/27/2022	P85/86	S	/	D166	SR	8:45 AM	8:50 AM	30	29	1	P	DK	X		
9/27/2022	P76/86	S	/	N	SR	8:45 AM	8:50 AM	30	30	0	P	DK	X		
9/27/2022	P76/77	E	/	W	SR	8:50 AM	8:55 AM	30	30	0	P	DK	X		
9/27/2022	P77/86	S	/	N	SR	8:51 AM	8:56 AM	30	30	0	P	DK	X		
9/27/2022	P45/91	N	/	S	SR	11:25 AM	11:30 AM	30	29	1	P	DK	X		
9/27/2022	P48/91	W	/	E	SR	11:32 AM	11:37 AM	30	30	0	P	DK	X		
9/27/2022	P48/92	E	/	W	SR	-	-	-	-	-	F	DK	X		CAPPED, D168
9/27/2022	P52/93	E	/	W	SR	-	-	-	-	-	F	DK	X		CAPPED, D163
9/27/2022	P54/94	E	/	W	SR	-	-	-	-	-	F	DK	X		CAPPED, D174
9/27/2022	P57/95	E	/	W	SR	-	-	-	-	-	F	DK	X		CAPPED, D175
9/27/2022	P63/96	E	/	W	SR	-	-	-	-	-	F	DK	X		CAPPED, D176
9/27/2022	P62/97	E	/	W	SR	-	-	-	-	-	F	DK	X		CAPPED, D177
9/27/2022	P79/87	N	/	S	SR	-	-	-	-	-	F	DK	X		CAPPED, D160
9/27/2022	P80/88	N	/	S	SR	-	-	-	-	-	F	DK	X		CAPPED, D161

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/27/2022	P44/45	W	/	E	SR	11:24 AM	11:29 AM	30	30	0	P	DK	X		
9/29/2022	P102/105	S	/	N	FC	9:15 AM	9:20 AM	34	34	0	P	DK	X		
9/29/2022	P72/102	S	/	N	FC	9:22 AM	9:27 AM	34	33	1	P	DK	X		
9/29/2022	P72/101	N	/	S	FC	9:22 AM	9:27 AM	34	34	0	P	DK	X		
9/29/2022	P105/117	E	/	W	FC	9:35 AM	9:40 AM	34	33	1	P	DK	X		
9/29/2022	P116/117	N	/	S	FC	9:37 AM	9:42 AM	34	34	0	P	DK	X		
9/29/2022	P73/104	N	/	S	FC	6:38 AM	6:43 AM	34	34	0	P	DK	X		
9/29/2022	P104/113	E	/	W	FC	6:38 AM	6:43 AM	35	34	1	P	DK	X		
9/29/2022	P73/113	S	/	N	FC	6:38 AM	6:43 AM	34	33	1	P	DK	X		
9/29/2022	P108/118	E	/	W	FC	-	-	-	-	-	F	DK	X		CAPPED, D216
9/29/2022	P108/117	E	/	W	FC	-	-	-	-	-	F	DK	X		CAPPED, D221
9/29/2022	P107/111	N	/	S	FC	7:42 AM	7:47 AM	31	30	1	P	DK	X		
9/29/2022	P107/110	E	/	W	FC	7:42 AM	7:47 AM	34	34	0	P	DK	X		
9/29/2022	P103/107	N	/	S	FC	7:49 AM	7:54 AM	34	34	0	P	DK	X		
9/29/2022	P103/110	N	/	S	FC	7:49 AM	7:54 AM	31	30	1	P	DK	X		
9/29/2022	P72/103	N	/	S	FC	7:55 AM	8:00 AM	34	34	0	P	DK	X		
9/29/2022	P103/104	E	/	W	FC	7:55 AM	8:00 AM	34	34	0	P	DK	X		
9/29/2022	P109/127	N	/	S	FC	8:01 AM	8:06 AM	31	31	0	P	DK	X		
9/29/2022	P127/128	E	/	W	FC	8:01 AM	8:06 AM	34	34	0	P	DK	X		
9/29/2022	P109/111	E	/	W	FC	8:01 AM	8:06 AM	34	34	0	P	DK	X		
9/29/2022	P126/127	E	/	W	FC	8:08 AM	8:13 AM	34	34	0	P	DK	X		
9/29/2022	P125/126	E	/	W	FC	8:10 AM	8:15 AM	30	30	0	P	DK	X		
9/29/2022	P109/126	N	/	S	FC	8:10 AM	8:15 AM	34	33	1	P	DK	X		
9/29/2022	P109/125	N	/	S	FC	8:10 AM	8:15 AM	34	34	0	P	DK	X		
9/29/2022	P124/125	E	/	W	FC	8:20 AM	8:25 AM	34	34	0	P	DK	X		
9/29/2022	P108/124	N	/	S	FC	8:20 AM	8:25 AM	34	33	1	P	DK	X		
9/29/2022	P108/109	E	/	W	FC	8:20 AM	8:25 AM	34	34	0	P	DK	X		
9/29/2022	P106/109	N	/	S	FC	8:25 AM	8:30 AM	34	33	1	P	DK	X		
9/29/2022	P106/107	E	/	W	FC	8:25 AM	8:30 AM	34	34	0	P	DK	X		
9/29/2022	P107/109	N	/	S	FC	8:35 AM	8:40 AM	30	30	0	P	DK	X		
9/29/2022	P102/106	N	/	S	FC	8:35 AM	8:40 AM	35	34	1	P	DK	X		
9/29/2022	P102/103	E	/	W	FC	8:35 AM	8:40 AM	34	34	0	P	DK	X		
9/29/2022	P122/123	E	/	W	SR	8:35 AM	8:40 AM	30	29	1	P	DK	X		
9/29/2022	P123/124	E	/	W	SR	8:35 AM	8:40 AM	30	30	0	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/29/2022	P122/124	E	/	W	FC	8:39 AM	8:44 AM	32	32	0	P	DK	X		
9/29/2022	P121/122	E	/	W	FC	8:39 AM	8:44 AM	34	34	0	P	DK	X		
9/29/2022	P118/119	E	/	W	SR	8:45 AM	8:50 AM	30	30	0	P	DK	X		
9/29/2022	P119/120	E	/	W	SR	8:45 AM	8:50 AM	30	30	0	P	DK	X		
9/29/2022	P118/120	E	/	W	FC	8:48 AM	8:53 AM	33	33	0	P	DK	X		
9/29/2022	P117/118	N	/	S	FC	8:50 AM	8:55 AM	34	34	0	P	DK	X		
9/29/2022	P117/118	D210	/	S	SR	8:50 AM	8:55 AM	30	30	0	P	DK	X		
9/29/2022	P120/121	E	/	W	FC	8:56 AM	9:01 AM	34	33	1	P	DK	X		
9/29/2022	P108/120	N	/	S	FC	8:56 AM	9:01 AM	34	33	1	P	DK	X		
9/29/2022	P108/121	N	/	S	FC	8:56 AM	9:01 AM	33	32	1	P	DK	X		
9/29/2022	P105/116	N	/	S	SR	9:00 AM	9:05 AM	30	30	0	P	DK	X		
9/29/2022	P106/108	N	/	S	FC	9:07 AM	9:12 AM	34	34	0	P	DK	X		
9/29/2022	P105/108	N	/	S	FC	9:07 AM	9:12 AM	34	34	0	P	DK	X		
9/29/2022	P105/106	E	/	W	FC	9:07 AM	9:12 AM	34	33	1	P	DK	X		
9/29/2022	P101/105	N	/	S	FC	9:15 AM	9:20 AM	34	33	1	P	DK	X		
9/29/2022	P101/102	E	/	W	FC	9:15 AM	9:20 AM	30	30	0	P	DK	X		
9/29/2022	P104/134	S	/	N	FC	6:45 AM	6:50 AM	34	34	0	P	DK	X		
9/29/2022	P133/134	E	/	W	FC	6:45 AM	6:50 AM	34	34	0	P	DK	X		
9/29/2022	P104/133	N	/	S	FC	6:45 AM	6:50 AM	31	31	0	P	DK	X		
9/29/2022	P132/133	E	/	W	FC	6:53 AM	6:58 AM	34	34	0	P	DK	X		
9/29/2022	P104/132	S	/	N	FC	6:57 AM	7:02 AM	36	36	0	P	DK	X		
9/29/2022	P131/132	E	/	W	FC	6:57 AM	7:02 AM	34	33	1	P	DK	X		
9/29/2022	P104/131	N	/	D192	FC	6:57 AM	7:02 AM	36	35	1	P	DK		X	
9/29/2022	P104/132	D192	/	S	FC	7:09 AM	7:14 AM	35	35	0	P	DK	X		
9/29/2022	P130/131	E	/	W	FC	7:09 AM	7:14 AM	35	35	0	P	DK	X		
9/29/2022	P110/130	N	/	S	FC	7:09 AM	7:14 AM	35	35	0	P	DK	X		
9/29/2022	P104/110	N	/	S	FC	7:09 AM	7:14 AM	35	35	0	P	DK	X		
9/29/2022	P72/104	S	/	D193	FC	7:16 AM	7:21 AM	34	34	0	P	DK		X	
9/29/2022	P72/104	D193	/	N	FC	7:16 AM	7:21 AM	36	35	1	P	DK	X		
9/29/2022	P129/130	E	/	W	FC	7:27 AM	7:32 AM	35	34	1	P	DK	X		
9/29/2022	P112/129	N	/	S	FC	7:27 AM	7:32 AM	34	34	0	P	DK	X		
9/29/2022	P110/112	N	/	S	FC	7:27 AM	7:32 AM	34	34	0	P	DK	X		
9/29/2022	P128/129	E	/	W	FC	7:35 AM	7:40 AM	34	34	0	P	DK	X		
9/29/2022	P111/128	N	/	S	FC	7:35 AM	7:40 AM	35	34	1	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
9/29/2022	P111/112	W	/	E	FC	7:35 AM	7:40 AM	35	34	1	P	DK	X		
9/29/2022	P110/111	N	/	S	FC	7:42 AM	7:47 AM	35	34	1	P	DK	X		
10/1/2022	P149/150	E	/	W	FC	10:59 AM	11:04 AM	34	33	1	P	DK	X		
10/1/2022	P142/143	N	/	D250	FC	11:09 AM	11:14 AM	30	30	0	P	DK	X		
10/1/2022	P151/152	S	/	N	FC	11:18 AM	11:23 AM	34	34	0	P	DK	X		
10/1/2022	P152/153	S	/	N	FC	11:18 AM	11:23 AM	34	34	0	P	DK	X		
10/1/2022	P153/154	S	/	D276	FC	9:53 AM	9:58 AM	30	29	1	P	DK		X	
10/1/2022	P153/154	D276	/	N	FC	11:24 AM	11:29 AM	33	32	1	P	DK	X		
10/1/2022	P154/155	E	/	W	FC	11:26 AM	11:31 AM	34	33	1	P	DK	X		
10/1/2022	P155/156	E	/	W	FC	11:26 AM	11:31 AM	34	33	1	P	DK	X		
10/1/2022	P157/158	E	/	W	FC	11:33 AM	11:38 AM	35	35	0	P	DK	X		
10/1/2022	P158/159	E	/	W	FC	11:33 AM	11:38 AM	35	35	0	P	DK	X		
10/1/2022	P160/161	E	/	W	FC	11:42 AM	11:47 AM	35	35	0	P	DK	X		
10/1/2022	P161/162	E	/	W	FC	11:51 AM	11:56 AM	35	35	0	P	DK	X		
10/1/2022	P163/165	E	/	W	FC	11:51 AM	11:56 AM	35	35	0	P	DK	X		
10/1/2022	P163/164	E	/	W	FC	11:51 AM	11:56 AM	35	34	1	P	DK	X		
10/1/2022	P167/168	E	/	W	FC	12:39 PM	12:44 PM	35	34	1	P	DK	X		
10/1/2022	P172/173	S	/	D272	FC	12:49 PM	12:54 PM	30	30	0	P	DK		X	
10/1/2022	P172/173	D272	/	D273	FC	12:49 PM	12:54 PM	30	30	0	P	DK		X	
10/1/2022	P172/173	D273	/	N	FC	1:38 AM	1:43 AM	30	30	0	P	DK	X		
10/1/2022	P162/163	E	/	W	FC	12:59 PM	1:04 PM	32	32	0	P	DK	X		
10/1/2022	P165/166	E	/	W	FC	1:05 AM	1:10 AM	34	34	0	P	DK	X		
10/1/2022	P139/140	S	/	N	FC	9:19 AM	9:24 AM	34	34	0	P	DK	X		
10/1/2022	P140/141	S	/	N	FC	9:26 AM	9:31 AM	34	33	1	P	DK	X		
10/1/2022	P141/142	S	/	N	FC	9:23 AM	9:28 AM	34	34	0	P	DK	X		
10/1/2022	P142/145	S	/	N	FC	9:30 AM	9:35 AM	32	32	0	P	DK	X		
10/1/2022	P148/151	N	/	S	FC	9:48 AM	9:53 AM	34	34	0	P	DK	X		
10/1/2022	P151/153	E	/	W	FC	9:53 AM	9:58 AM	35	35	0	P	DK	X		
10/1/2022	P154/156	E	/	W	FC	10:01 AM	10:06 AM	34	33	1	P	DK	X		
10/1/2022	P156/157	E	/	W	FC	10:01 AM	10:06 AM	34	33	1	P	DK	X		
10/1/2022	P157/159	E	/	W	FC	10:09 AM	10:14 AM	34	34	0	P	DK			
10/1/2022	P159/160	S	/	D264	FC	10:12 AM	10:17 AM	33	31	2	P	DK		X	
10/1/2022	P159/160	D264	/	N	FC	10:12 AM	10:17 AM	34	33	1	P	DK	X		
10/1/2022	P150/151	S	/	N	FC	10:21 AM	10:26 AM	30	30	0	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
10/1/2022	P148/150	S	/	N	FC	10:26 AM	10:31 AM	34	33	1	P	DK	X		
10/1/2022	P145/146	D266	/	W	FC	10:40 AM	10:45 AM	34	34	0	P	DK		X	
10/1/2022	P145/146	E	/	D266	FC	10:33 AM	10:38 AM	34	34	0	P	DK	X		
10/1/2022	P146/147	E	/	W	FC	10:33 AM	10:38 AM	34	34	0	P	DK	X		
10/1/2022	P148/149	E	/	W	FC	10:50 AM	10:55 AM	30	30	0	P	DK	X		
10/1/2022	P149/150	E	/	D47	FC	10:50 AM	10:55 AM	30	30	0	P	DK		X	
10/1/2022	P160/163	E	/	W	FC	8:00 AM	8:05 AM	34	34	0	P	DK	X		
10/1/2022	P163/166	E	/	W	FC	8:00 AM	8:05 AM	34	31	3	P	DK	X		
10/1/2022	P160/166	W	/	E	FC	8:00 AM	8:05 AM	35	32	3	P	DK	X		
10/1/2022	P154/157	S	/	D241	FC	8:13 AM	8:18 AM	34	33	1	P	DK		X	
10/1/2022	P154/157	D241	/	N	FC	8:21 AM	8:26 AM	33	33	0	P	DK	X		
10/1/2022	P157/160	E	/	W	FC	8:13 AM	8:18 AM	34	34	0	P	DK	X		
10/1/2022	P145/148	S	/	N	FC	8:24 AM	8:29 AM	35	35	0	P	DK	X		
10/1/2022	P147/148	S	/	D258	FC	8:28 AM	8:33 AM	34	34	0	P	DK		X	
10/1/2022	P147/148	D258	/	N	FC	9:43 AM	9:48 AM	34	33	1	P	DK	X		
10/1/2022	P143/145	S	/	N	FC	8:43 AM	8:48 AM	34	33	1	P	DK	X		
10/1/2022	P142/143	S	/	N	FC	8:40 AM	8:45 AM	34	34	0	P	DK	X		
10/1/2022	P145/147	S	/	N	FC	8:48 AM	8:53 AM	34	34	0	P	DK	X		
10/1/2022	P151/154	S	/	N	FC	8:52 AM	8:57 AM	35	34	1	P	DK	X		
10/1/2022	P100/135	S	/	D259	FC	9:00 AM	9:05 AM	34	33	1	P	DK		X	
10/1/2022	P100/135	D259	/	N	FC	9:02 AM	9:07 AM	34	33	1	P	DK	X		
10/1/2022	P135/136	S	/	D260	FC	9:03 AM	9:08 AM	33	32	1	P	DK		X	
10/1/2022	P135/136	D260	/	N	FC	9:08 AM	9:13 AM	31	31	0	P	DK	X		
10/1/2022	P136/137	S	/	N	FC	9:13 AM	9:18 AM	36	35	1	P	DK	X		
10/1/2022	P137/138	S	/	N	FC	9:16 AM	9:21 AM	35	34	1	P	DK	X		
10/1/2022	P138/139	S	/	N	FC	9:17 AM	9:22 AM	36	36	0	P	DK	X		
10/1/2022	P164/165	E	/	W	FC	1:05 PM	1:10 PM	30	29	1	P	DK	X		
10/1/2022	P166/167	W	/	E	FC	1:13 PM	1:18 PM	34	33	1	P	DK	X		
10/1/2022	P167/168	W	/	E	FC	1:16 PM	1:21 PM	32	31	1	P	DK	X		
10/1/2022	P168/169	W	/	E	FC	1:19 PM	1:24 PM	30	30	0	P	DK	X		
10/1/2022	P169/170	S	/	D288	FC	12:45 PM	12:50 PM	33	32	1	P	DK		X	
10/1/2022	P169/170	D288	/	N	FC	1:21 PM	1:26 PM	31	31	0	P	DK	X		
10/1/2022	P171/172	W	/	E	FC	1:23 PM	1:28 PM	32	31	1	P	DK	X		
10/1/2022	P173/174	W	/	E	FC	1:20 PM	1:25 PM	33	33	0	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
10/1/2022	P170/171	S	/	D270	FC	1:50 PM	1:55 PM	30	30	0	P	DK		X	
10/1/2022	P170/171	D270	/	D269	FC	1:41 PM	1:46 PM	32	31	1	P	DK		X	
10/1/2022	P170/171	D269	/	N	SR	1:46 PM	1:51 PM	30	30	0	P	DK	X		
10/1/2022	P101/115	W	/	E	FC	1:58 PM	2:03 PM	35	34	1	P	DK	X		
10/1/2022	P115/116	N	/	S	FC	1:58 PM	2:03 PM	33	32	1	P	DK	X		
10/1/2022	P114/115	N	/	D285	FC	2:00 PM	2:05 PM	30	30	0	P	DK		X	
10/1/2022	P114/115	D285	/	S	FC	2:04 PM	2:09 PM	34	34	0	P	DK	X		
10/1/2022	P72/114	W	/	E	FC	2:09 PM	2:14 PM	31	31	0	P	DK	X		
10/1/2022	P1/114	N	/	S	FC	2:09 PM	2:14 PM	35	35	0	P	DK	X		
10/1/2022	P160/162	S	/	N	FC	12:59 PM	1:04 PM	32	32	0	P	DK	X		
10/3/2022	P144/145	N	/	S	FC	8:40 AM	8:45 AM	31	31	0	P	DK	X		
10/3/2022	P143/144	N	/	S	FC	8:40 AM	8:45 AM	34	34	0	P	DK	X		
10/12/2022	P186/187	D306	/	EEOS	FC	10:06 AM	10:11 AM	31	31	0	P	RB	X		
10/12/2022	P187/188	D306	/	EEOS	FC	10:07 AM	10:12 AM	31	31	0	P	RB	X		
10/12/2022	P188/189	E	/	D304	FC	10:09 AM	10:14 AM	31	31	0	P	RB		X	
10/12/2022	P186/189	D304	/	WEOS	FC	10:19 AM	10:24 AM	31	31	0	P	RB		X	
10/12/2022	P189/190	E	/	W	FC	10:49 AM	10:54 AM	31	31	0	P	RB	X		
10/12/2022	P190/191	E	/	W	FC	11:11 AM	11:16 AM	31	31	0	P	RB	X		
10/12/2022	P191/192	D307	/	WEOS	FC	10:17 AM	10:22 AM	30	30	0	P	RB	X		
10/12/2022	P191/192	D309	/	D307	FC	10:41 AM	10:46 AM	31	31	0	P	RB		X	
10/12/2022	P192/193	D308	/	D309	FC	10:33 AM	10:38 AM	31	30	1	P	RB		X	
10/12/2022	P192/193	D308	/	WEOS	FC	10:33 AM	10:38 AM	31	30	1	P	RB	X		
10/12/2022	P191/193	D309	/	D312	FC	10:41 AM	10:46 AM	31	31	0	P	RB		X	
10/12/2022	P193/195	D311	/	D310	FC	11:06 AM	11:11 AM	30	30	0	P	RB		X	
10/12/2022	P193/195	D311	/	D314	FC	11:06 AM	11:11 AM	31	30	1	P	RB		X	
10/12/2022	P193/194	D310	/	W	FC	10:49 AM	10:54 AM	31	31	0	P	RB	X		
10/12/2022	P194/195	D315	/	D310	FC	10:52 AM	10:57 AM	31	31	0	P	RB		X	
10/12/2022	P194/195	D315	/	W	FC	10:59 AM	11:04 AM	31	31	0	P	RB	X		
10/12/2022	P195/196	D313	/	W	FC	11:16 AM	11:21 AM	31	31	0	P	RB	X		
10/12/2022	P195/197	D314	/	D313	FC	11:13 AM	11:18 AM	31	30	1	P	RB		X	
10/12/2022	P196/197	D313	/	S	FC	11:16 AM	11:21 AM	31	31	0	P	RB	X		
10/12/2022	P193/197	D314	/	D316	FC	11:13 AM	11:18 AM	31	31	0	P	RB		X	
10/12/2022	P175/178	D293	/	D295	FC	11:47 AM	11:52 AM	31	30	1	P	RB		X	
10/12/2022	P197/198	D319	/	S	FC	11:24 AM	11:29 AM	31	31	0	P	RB	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
10/12/2022	P198/199	D318	/	S	FC	11:44 AM	11:49 AM	31	31	0	P	RB	X		
10/12/2022	P198/199	N	/	D318	FC	11:24 AM	11:29 AM	31	31	0	P	RB		X	
10/12/2022	P199/200	N	/	D320	FC	11:25 AM	11:30 AM	31	30	1	P	RB		X	
10/12/2022	P200/201	N	/	S	FC	11:26 AM	11:31 AM	31	31	0	P	RB	X		
10/12/2022	P201/202	N	/	D321	FC	11:27 AM	11:32 AM	31	31	0	P	RB	X		
10/12/2022	P202/203	N	/	S	FC	11:35 AM	11:40 AM	35	34	1	P	RB	X		
10/12/2022	P203/204	D322	/	S	FC	11:36 AM	11:41 AM	35	34	1	P	RB	X		
10/12/2022	P174/175	N	/	S	FC	8:54 AM	8:59 AM	33	33	0	P	BM			
10/12/2022	P174/177	E	/	W	FC	9:05 AM	9:10 AM	32	32	0	P	BM			
10/12/2022	P173/176	E	/	W	FC	9:05 AM	9:10 AM	32	32	0	P	BM			
10/12/2022	P176/177	S	/	N	FC	9:05 AM	9:10 AM	31	31	0	P	BM			
10/12/2022	P172/176	S	/	N	FC	9:15 AM	9:20 AM	31	30	1	P	BM			
10/12/2022	P175/177	S	/	N	FC	9:17 AM	9:22 AM	32	32	0	P	BM			
10/12/2022	P175/178	N	/	D295	FC	9:24 AM	9:29 AM	34	34	0	P	BM	X		
10/12/2022	P178/179	N	/	S	FC	9:26 AM	9:31 AM	33	32	1	P	BM			
10/12/2022	P179/180	N	/	D298	FC	9:25 AM	9:30 AM	30	30	0	P	BM	X		
10/12/2022	P180/181	E	/	D298	FC	9:31 AM	9:36 AM	31	31	0	P	BM	X		
10/12/2022	P179/181	D299	/	D298	FC	9:38 AM	9:43 AM	32	31	1	P	BM	X		
10/12/2022	P179/182	D299	/	D300	FC	9:40 AM	9:45 AM	33	33	0	P	BM	X		
10/12/2022	P181/182	D299	/	N	FC	9:38 AM	9:43 AM	31	31	0	P	BM			
10/12/2022	P179/183	D300	/	D301	FC	9:46 AM	9:51 AM	31	31	0	P	BM	X		
10/12/2022	P182/183	D300	/	N	FC	9:46 AM	9:51 AM	31	31	0	P	BM			
10/12/2022	P179/184	D301	/	S	FC	9:50 AM	9:55 AM	31	31	0	P	BM			
10/12/2022	P183/184	EEOS	/	D301	FC	9:58 AM	10:03 AM	31	31	0	P	BM	X		
10/12/2022	P184/185	EEOS	/	WEOS	FC	9:58 AM	10:03 AM	31	31	0	P	BM			
10/12/2022	P185/186	EEOS	/	WEOS	FC	10:00 AM	10:05 AM	31	31	0	P	BM			
10/12/2022	P186/188	D306	/	D304	FC	10:05 AM	10:10 AM	32	32	0	P	BM			
10/13/2022	P210/211	SEOS	/	NEOS	FC	10:17 AM	10:22 AM	31	30	1	P	BM	X		
10/13/2022	P209/211	WEOS	/	EEOS	FC	10:17 AM	10:22 AM	32	32	0	P	BM	X		
10/13/2022	P209/210	EEOS	/	WEOS	FC	10:17 AM	10:22 AM	31	31	0	P	BM	X		
10/13/2022	P140/209	WEOS	/	EEOS	FC	10:26 AM	10:31 AM	31	31	0	P	BM	X		
10/13/2022	P141/209	EEOS	/	WEOS	FC	10:26 AM	10:31 AM	30	30	0	P	BM	X		
10/13/2022	P142/209	SEOS	/	NEOS	FC	10:37 AM	10:42 AM	30	30	0	P	BM	X		
10/13/2022	P208/209	WEOS	/	EEOS	FC	10:35 AM	10:40 AM	34	34	0	P	BM	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location		QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
10/13/2022	P145/208	NEOS	SEOS	FC	10:37 AM	10:42 AM	34	34	0	P	BM	X		
10/13/2022	P145/207	NEOS	SEOS	FC	-	-	-	-	-	F	BM			D345
10/13/2022	P207/208	WEOS	EEOS	FC	10:44 AM	10:49 AM	35	35	0	P	BM	X		
10/13/2022	P148/207	NEOS	SEOS	FC	10:50 AM	10:55 AM	31	31	0	P	BM	X		
10/13/2022	P148/206	NEOS	SEOS	FC	-	-	-	-	-	F	BM			D342
10/13/2022	P206/207	WEOS	EEOS	FC	10:52 AM	10:57 AM	34	34	0	P	BM	X		
10/13/2022	P180/205	EEOS	WEOS	FC	11:06 AM	11:11 AM	32	32	0	P	BM	X		
10/13/2022	P179/205	WEOS	EEOS	FC	11:06 AM	11:11 AM	30	30	0	P	BM	X		
10/13/2022	P178/205	WEOS	EEOS	FC	11:17 AM	11:22 AM	31	30	1	P	BM	X		
10/13/2022	P175/205	EEOS	WEOS	FC	11:17 AM	11:22 AM	30	30	0	P	BM	X		
10/13/2022	P177/205	WEOS	EEOS	FC	11:25 AM	11:30 AM	31	30	1	P	BM	X		
10/13/2022	P176/205	EEOS	WEOS	FC	11:25 AM	11:30 AM	31	31	0	P	BM	X		
10/13/2022	P172/205	WEOS	EEOS	FC	11:27 AM	11:32 AM	30	30	0	P	BM	X		
10/13/2022	P171/205	EEOS	WEOS	FC	11:27 AM	11:32 AM	32	32	0	P	BM	X		
10/13/2022	P205/206	WEOS	EEOS	FC	11:33 AM	11:38 AM	32	32	0	P	BM	X		
10/13/2022	P205/206	D325	EEOS	FC	11:33 AM	11:38 AM	33	32	1	P	BM		X	
10/13/2022	P170/205	WEOS	D325	FC	11:43 AM	11:48 AM	31	31	0	P	BM	X		
10/13/2022	P169/205	EEOS	WEOS	FC	11:43 AM	11:48 AM	30	30	0	P	BM	X		
10/13/2022	P168/205	WEOS	EEOS	FC	11:46 AM	11:51 AM	31	31	0	P	BM	X		
10/13/2022	P167/205	EEOS	WEOS	FC	11:51 AM	11:56 AM	31	31	0	P	BM	X		
10/13/2022	P166/205	NEOS	SEOS	FC	12:35 PM	12:40 PM	34	34	0	P	BM	X		
10/13/2022	P166/206	SEOS	NEOS	FC	12:35 PM	12:40 PM	32	32	0	P	BM	X		
10/13/2022	P140/210	NEOS	SEOS	FC	12:43 PM	12:48 PM	31	31	0	P	BM	X		
10/13/2022	P139/210	WEOS	EEOS	FC	12:42 PM	12:47 PM	31	30	1	P	BM	X		
10/13/2022	P138/210	EEOS	WEOS	FC	12:42 PM	12:47 PM	30	30	0	P	BM	X		
10/13/2022	P137/210	WEOS	EEOS	FC	12:42 PM	12:47 PM	31	31	0	P	BM	X		
10/13/2022	P136/212	NEOS	SEOS	FC	12:52 PM	12:57 PM	32	31	1	P	BM	X		
10/13/2022	P113/212	WEOS	EEOS	FC	12:52 PM	12:57 PM	32	32	0	P	BM	X		
10/13/2022	P209/212	EEOS	WEOS	FC	1:00 PM	1:05 PM	31	31	0	P	BM	X		
10/13/2022	P211/212	WEOS	EEOS	FC	1:00 PM	1:05 PM	34	34	0	P	BM	X		
10/13/2022	P212/213	SEOS	NEOS	FC	1:12 PM	1:17 PM	30	30	0	P	BM	X		
10/13/2022	P209/213	WEOS	EEOS	FC	1:12 PM	1:17 PM	31	31	0	P	BM	X		
10/13/2022	P113/213	WEOS	EEOS	FC	1:13 PM	1:18 PM	31	30	1	P	BM	X		
10/13/2022	P208/213	EEOS	WEOS	FC	-	-	-	-	-	F	BM	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location		QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
10/13/2022	P208/216	NEOS	SEOS	FC	1:19 PM	1:24 PM	31	31	0	P	BM	X		
10/13/2022	P213/216	SEOS	NEOS	FC	1:19 PM	1:24 PM	31	31	0	P	BM	X		
10/13/2022	P207/216	WEOS	EEOS	FC	-	-	-	-	-	F	BM	X		D351
10/13/2022	P113/216	EEOS	WEOS	FC	1:23 PM	1:28 PM	31	31	0	P	BM	X		
10/13/2022	P215/216	NEOS	SEOS	FC	1:23 PM	1:28 PM	31	31	0	P	BM	X		
10/13/2022	P113/215	EEOS	WEOS	FC	1:23 PM	1:28 PM	31	30	1	P	BM	X		D358
10/13/2022	P214/215	NEOS	SEOS	FC	1:31 PM	1:36 PM	34	34	0	P	BM	X		
10/13/2022	P113/214	EEOS	WEOS	FC	1:35 PM	1:40 PM	32	31	1	P	BM	X		
10/13/2022	P104/214	WEOS	EEOS	FC	1:35 PM	1:40 PM	31	30	1	P	BM	X		
10/13/2022	P134/214	NEOS	SEOS	FC	1:36 PM	1:41 PM	31	31	0	P	BM	X		
10/13/2022	P207/215	EEOS	WEOS	FC	1:42 PM	1:47 PM	31	31	0	P	BM	X		
10/13/2022	P207/214	WEOS	EEOS	FC	1:42 PM	1:47 PM	32	32	0	P	BM	X		
10/14/2022	P223/225	N	S	FC	2:06 PM	2:11 PM	30	30	0	P	DK	X		
10/14/2022	P193/223	E	W	FC	2:06 PM	2:11 PM	31	30	1	P	DK	X		
10/14/2022	P197/223	-	-	FC	-	-	-	-	-	-	DK	X		CAPPED
10/14/2022	P198/223	N	S	FC	2:17 PM	2:22 PM	31	31	0	P	DK	X		
10/14/2022	P199/223	S	N	FC	2:17 PM	2:22 PM	31	30	1	P	DK	X		
10/14/2022	P199/224	-	-	FC	-	-	-	-	-	-	DK	X		CAPPED
10/14/2022	P223/224	E	W	FC	2:24 PM	2:29 PM	31	31	0	P	DK	X		
10/14/2022	P224/225	N	S	FC	2:24 PM	2:29 PM	31	31	0	P	DK	X		
10/14/2022	P200/224	E	W	FC	2:32 PM	2:37 PM	31	30	1	P	DK	X		
10/14/2022	P201/224	W	E	FC	2:32 PM	2:37 PM	31	31	0	P	DK	X		
10/14/2022	P202/224	E	W	FC	2:34 PM	2:39 PM	31	31	0	P	DK	X		
10/14/2022	P203/224	W	E	FC	2:34 PM	2:39 PM	31	30	1	P	DK	X		
10/14/2022	P204/224	W	E	FC	2:37 PM	2:42 PM	30	30	0	P	DK	X		
10/14/2022	P217/218	S	N	FC	10:14 AM	10:19 AM	31	31	0	P	DK	X		
10/14/2022	P218/220	S	N	FC	10:17 AM	10:22 AM	31	31	0	P	DK	X		
10/14/2022	P218/219	W	E	FC	10:17 AM	10:22 AM	31	31	0	P	DK	X		
10/14/2022	P219/220	S	N	FC	10:27 AM	10:32 AM	30	30	0	P	DK	X		
10/14/2022	P220/222	W	E	FC	10:27 AM	10:32 AM	32	32	0	P	DK	X		
10/14/2022	P219/222	N	S	FC	10:27 AM	10:32 AM	31	30	1	P	DK	X		
10/14/2022	P220/221	S	N	FC	10:31 AM	10:36 AM	32	32	0	P	DK	X		
10/14/2022	P221/222	N	D-402	FC	10:31 AM	10:36 AM	31	31	0	P	DK		X	
10/14/2022	P221/222	D-402	SEOS	FC	10:42 AM	10:47 AM	31	30	1	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
10/14/2022	P217/219	S	/	N	FC	10:48 AM	10:53 AM	31	30	1	P	DK	X		
10/14/2022	P189/217	S	/	N	FC	10:55 AM	11:00 AM	32	31	1	P	DK	X		
10/14/2022	P188/217	S	/	N	FC	10:55 AM	11:00 AM	31	30	1	P	DK	X		
10/14/2022	P187/217	S	/	N	FC	10:58 AM	11:03 AM	31	30	1	P	DK	X		
10/14/2022	P186/217	S	/	N	FC	10:58 AM	11:03 AM	30	30	0	P	DK	X		
10/14/2022	P185/217	S	/	N	FC	11:01 AM	11:06 AM	31	31	0	P	DK	X		
10/14/2022	P184/217	N	/	S	FC	11:01 AM	11:06 AM	32	32	0	P	DK	X		
10/14/2022	P183/217	N	/	S	FC	11:05 AM	11:10 AM	31	31	0	P	DK	X		
10/14/2022	P182/217	N	/	S	FC	11:05 AM	11:10 AM	31	30	1	P	DK	X		
10/14/2022	P181/217	N	/	S	FC	11:11 AM	11:16 AM	31	31	0	P	DK	X		
10/14/2022	P180/217	W	/	D-401	FC	11:11 AM	11:16 AM	31	30	1	P	DK		X	
10/14/2022	P121/227	-	/	-	FC	-	-	-	-	-	-	DK	X		CAPPED, D405
10/14/2022	P121/230	N	/	S	FC	1:17 PM	1:22 PM	31	31	0	P	DK	X		
10/14/2022	P120/230	-	/	-	FC	-	-	-	-	-	-	DK	X		CAPPED, D403
10/14/2022	P226/227	E	/	W	FC	1:23 PM	1:28 PM	31	29	2	P	DK	X		
10/14/2022	P227/230	E	/	W	FC	1:23 PM	1:28 PM	31	30	1	P	DK	X		
10/14/2022	P226/230	N	/	S	FC	1:23 PM	1:28 PM	32	32	0	P	DK	X		
10/14/2022	P227/228	S	/	N	FC	1:32 PM	1:37 PM	31	31	0	P	DK	X		
10/14/2022	P226/228	E	/	E	FC	1:32 PM	1:37 PM	31	30	1	P	DK	X		
10/14/2022	P228/229	S	/	N	FC	1:34 PM	1:39 PM	31	31	0	P	DK	X		
10/14/2022	P226/229	E	/	W	FC	1:34 PM	1:39 PM	31	31	0	P	DK	X		
10/14/2022	P221/227	E	/	W	FC	1:42 PM	1:47 PM	31	30	1	P	DK	X		
10/14/2022	P222/227	E	/	W	FC	1:42 PM	1:47 PM	31	30	1	P	DK	X		
10/14/2022	P219/228	E	/	W	FC	1:45 PM	1:50 PM	31	30	1	P	DK	X		
10/14/2022	P222/228	E	/	W	FC	1:45 PM	1:50 PM	31	31	0	P	DK	X		
10/14/2022	P219/229	E	/	W	FC	1:58 PM	2:03 PM	31	31	0	P	DK	X		
10/14/2022	P217/229	E	/	W	FC	1:58 PM	2:03 PM	30	30	0	P	DK	X		
10/14/2022	P219/229	E	/	W	FC	1:58 PM	2:03 PM	31	31	0	P	DK	X		
10/14/2022	P217/226	E	/	W	FC	1:59 PM	2:04 PM	31	31	0	P	DK	X		
10/14/2022	P189/226	E	/	W	FC	1:59 PM	2:04 PM	31	30	1	P	DK	X		
10/14/2022	P225/226	N	/	S	FC	2:00 PM	2:05 PM	31	31	0	P	DK	X		
10/14/2022	P190/225	S	/	N	FC	2:00 PM	2:05 PM	31	30	1	P	DK	X		
10/14/2022	P180/217	D-401	/	EEOS	FC	11:26 AM	11:31 AM	30	29	1	P	DK	X		
10/14/2022	P205/217	E	/	W	FC	11:26 AM	11:31 AM	31	31	0	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
10/14/2022	P205/218	E	/	W	FC	11:29 AM	11:34 AM	31	31	0	P	DK	X		
10/14/2022	P206/218	W	/	E	FC	11:29 AM	11:34 AM	31	31	0	P	DK	X		
10/14/2022	P207/220	E	/	W	FC	11:36 AM	11:41 AM	31	30	1	P	DK	X		
10/14/2022	P134/220	N	/	S	FC	11:36 AM	11:41 AM	31	30	1	P	DK	X		
10/14/2022	P133/221	N	/	S	FC	11:49 AM	11:54 AM	31	31	0	P	DK	X		
10/14/2022	P132/221	N	/	S	FC	11:49 AM	11:54 AM	31	30	1	P	DK	X		
10/14/2022	P131/221	N	/	S	FC	12:44 PM	12:49 PM	30	30	0	P	DK	X		
10/14/2022	P130/221	N	/	S	FC	12:44 PM	12:49 PM	30	29	1	P	DK	X		
10/14/2022	P129/221	N	/	D-426	FC	12:49 PM	12:54 PM	30	30	0	P	DK		X	
10/14/2022	P129/221	D-426	/	S	FC	12:49 PM	12:54 PM	31	31	0	P	DK	X		
10/14/2022	P128/221	N	/	S	FC	12:53 PM	12:58 PM	30	29	1	P	DK	X		
10/14/2022	P127/221	N	/	S	FC	12:53 PM	12:58 PM	31	30	1	P	DK	X		
10/14/2022	P126/221	S	/	N	FC	1:01 PM	1:06 PM	31	31	0	P	DK	X		
10/14/2022	P125/221	N	/	S	FC	1:01 PM	1:06 PM	30	29	1	P	DK	X		
10/14/2022	P124/221	-	/	-	FC	-	-	-	-	-	-	DK		X	D372, CAPPED
10/14/2022	P124/227	N	/	S	FC	1:07 PM	1:12 PM	32	32	0	P	DK	X		
10/14/2022	P123/227	N	/	S	FC	1:07 PM	1:12 PM	31	31	0	P	DK	X		
10/14/2022	P122/227	N	/	S	FC	1:09 PM	1:14 PM	31	30	1	P	DK	X		
10/15/2022	P225/232	E	/	W	FC	7:13 AM	7:18 AM	30	30	0	P	DK	X		
10/15/2022	P226/231	N	/	S	FC	7:22 AM	7:27 AM	30	30	0	P	DK	X		
10/15/2022	P225/231	E	/	W	FC	7:37 AM	7:42 AM	31	31	0	P	DK	X		
10/15/2022	P231/232	N	/	S	FC	7:37 AM	7:42 AM	32	32	0	P	DK	X		
10/15/2022	P118/231	N	/	S	FC	7:47	7:52 AM	30	29	1	P	DK	X		
10/15/2022	P232/233	N	/	S	FC	8:01 AM	8:06 AM	31	30	1	P	DK	X		
10/15/2022	P224/232	N	/	S	FC	8:01 AM	8:06 AM	30	29	1	P	DK	X		
10/15/2022	P224/233	E	/	W	FC	8:12 AM	8:17 AM	34	33	1	P	DK	X		
10/15/2022	P204/234	E	/	W	FC	8:40 AM	8:45 AM	30	30	0	P	DK	X		
10/15/2022	P224/234	N	/	S	FC	8:40 AM	8:45 AM	31	30	1	P	DK	X		
10/15/2022	P234/235	E	/	W	FC	9:14 AM	9:19 AM	30	30	0	P	DK	X		
10/15/2022	P233/234	N	/	S	FC	9:14 AM	9:19 AM	31	30	1	P	DK	X		
10/15/2022	P233/235	N	/	S	FC	9:14 AM	9:19 AM	31	31	0	P	DK	X		
10/15/2022	P120/230	N	/	D-403	FC	8:45 AM	8:50 AM	30	30	0	P	DK		X	
10/15/2022	P120/230	D-403	/	S	FC	8:50 AM	8:55 AM	31	30	1	P	DK	X		
10/15/2022	P119/231	N	/	S	FC	8:55 AM	9:00 AM	31	31	0	P	DK	X		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Pressure Testing Summary



Date Tested	Seam Number	Location			QC Tech.	Time		Pressure		Pressure Difference (psi)	Pass/Fail	QA Monitor	Seam Complete		Remarks
		From	/	To		Start	Finish	Initial (psi)	Final (psi)				Yes	No	
10/15/2022	P117/231	N	/	S	FC	9:06 AM	9:11 AM	31	31	0	P	DK	X		
10/15/2022	P231/236	N	/	S	FC	9:06 AM	9:11 AM	31	31	0	P	DK	X		
10/15/2022	P117/236	N	/	S	FC	9:06 AM	9:11 AM	31	31	0	P	DK	X		



APPENDIX J.7 – PRIMARY GEOMEMBRANE DEFECT/REPAIR SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Location: AT - Anchor Trench; TI - Tie In; N EOS - North End of Seam; E EOS - East End of Seam; S EOS - South End of Seam; W EOS - West End of Seam

Defect Type: FM - Fishmouth; BO - Burnout; W - Wrinkle; BS - Boot Skirt; DF - Fusion Destruct; DX - Extrusion Destruct; PU - Puncture; PT - Pressure Test; INT - Panel Intersection

FS - Failed Seam; DO - Damage by Others; WR - Welder Restart; IO - Insufficient Overlap; MD - Manufacturer Defect; FVT - Failed Vacuum Test

Defect Repair: P - Patch; C - Cap; B - Bead

Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
09/20/22	D1	P1/2	3' N OF SEOS	DF-1	09/24/22	9:46 AM	2X2	DF-01	JLO	1	10/03/22	JR/JM	BM	P	DESTRUCT
09/20/22	D2	P1/2	77' N OF SEOS	WR	09/24/22	9:18 AM	2X10	D	JLO	1	10/03/22	JR/JM	BM	P	
09/20/22	D3	P3/4	3' N OF SEOS	DF-2	09/24/22	10:08 AM	2X7	DF-02	JLO	1	10/03/22	JR/JM	BM	P	DESTRUCT
09/20/22	D4	P4/5	11' N OF SEOS	BO	09/24/22	10:15 AM	2X5	D	JLO	1	10/03/22	JR/JM	BM	P	
09/20/22	D5	P5/6	31' N OF SEOS	BO	09/24/22	10:31 AM	2X5	D	JLO	1	10/03/22	JR/JM	BM	P	
09/20/22	D6	P14/15	50' W OF EEOS	DF-3	09/27/22	2:05 PM	2X5	DF-03	WL	47	10/17/22	JR/JM	BM	P	DESTRUCT
09/20/22	D7	P16/17	54' W OF EEOS	DF-4	09/27/22	1:35 PM	2X5	DF-04	WL	47	10/17/22	JR/JM	BM	P	DESTRUCT
09/20/22	D8	P10/11	AT	WR	09/24/22	11:18 AM	2X6	D	JLO	1	10/03/22	JR/JM	BM	P	
09/20/22	D9	P20/21	69' W OF EEOS	BO	09/27/22	11:05 AM	2X15	D	WL	47	10/03/22	JR/JM	BM	P	
09/20/22	D10	P8/9	AT	IO	09/24/22	10:59 AM	4X7	D	JLO	1	10/03/22	JR/JM	BM	P	
09/20/22	D11	P8/9/10	INT	INT	09/24/22	-	-	D	JLO	1	-	-	-	-	COVERED BY D124
09/20/22	D12	P7/8/10	INT	INT	09/24/22	-	-	D	JLO	1	-	-	-	-	COVERED BY D124
09/20/22	D13	P7/10/11	INT	INT	09/24/22	11:54 AM	2X15	CAP	JLO	1	10/03/22	JR/JM	BM	P	
09/20/22	D14	P6/7/11	INT	INT	09/24/22	12:50 PM	2X4	D	JLO	1	10/03/22	JR/JM	BM	P	
09/20/22	D15	P6/11/12	INT	INT	09/24/22	1:01 PM	2X5	D	JLO	1	10/03/22	JR/JM	BM	P	
09/21/22	D16	P21/22	80' W OF EEOS	DF-5	09/27/22	10:35 AM	2X5	DF-05	WL	47	10/03/22	JR/JM	BM	P	DESTRUCT
09/21/22	D17	P24/25	3' W OF EEOS	DF-6	09/26/22	10:02 AM	2X5	DF-06	WL	83	10/19/22	JR/JM	BM	P	DESTRUCT
09/21/22	D18	P25/26/27	INT	INT	09/26/22	10:18 AM	3X3	D	WL	83	10/19/22	JR/JM	BM	P	
09/21/22	D19	P27/28/29	INT	INT	09/26/22	9:23 AM	3X5	D	WL	83	10/19/22	JR/JM	BM	P	
09/21/22	D20	P21/22	AT	WR	09/26/22	9:22 AM	2X6	D	JLO	1	10/04/22	JR/JM	BM	P	
09/21/22	D21	P27/29/30	INT	INT	09/27/22	-	-	D	WL	47	-	-	-	-	COVERED BY D57
09/21/22	D22	P29/30/31	INT	INT	09/27/22	-	-	D	WL	47	-	-	-	-	COVERED BY D106
09/21/22	D23	P27/29/30	40' W OF EEOS	BO	09/27/22	8:47 AM	2X3	D	WL	47	10/03/22	JR/JM	BM	P	
09/21/22	D24	P31/32	AT	WR	09/27/22	10:40 AM	3X6	D	WL	83	10/04/22	JR/JM	BM	P	
09/21/22	D25	P32/33	AT	WR	09/27/22	10:57 AM	4X4	D	WL	83	10/04/22	JR/JM	BM	P	
09/21/22	D26	P33/34	AT	WR	09/27/22	-	-	D	WL	83	-	-	-	-	COVERED BY D27
09/21/22	D27	P33/34	8' W OF EEOS	DF-7	09/27/22	11:10 AM	2X11	DF-07	WL	83	10/04/22	JR/JM	BM	P	DESTRUCT, COVERS D26
09/21/22	D28	P35/36	7' W OF EEOS	DF-8	09/27/22	11:29 AM	2X5	DF-08	WL	83	10/04/22	JR/JM	BM	P	DESTRUCT
09/21/22	D29	P36/37	AT	WR	09/26/22	11:45 AM	3x6	D	WL	83	10/04/22	JR/JM	BM	P	
09/21/22	D30	P38/39	AT	WR	09/26/22	1:15 PM	3x5	D	WL	83	10/04/22	JR/JM	BM	P	
09/21/22	D31	P40/41	AT	WR	09/26/22	1:26 PM	4x4	D	WL	83	10/04/22	JR/JM	BM	P	
09/21/22	D32	P40/41	120' W OF EEOS	DF-9	09/27/22	3:01 PM	3x5	DF-09	WL	83	10/04/22	JR/JM	BM	P	DESTRUCT, COVERS D16
09/21/22	D33	P42/43	AT	WR	09/27/22	-	-	D	WL	83	-	-	-	-	COVERED BY D34
09/21/22	D34	P42/43	3' W OF EEOS	DF-10	09/27/22	2:00 PM	2x10	DF-10	WL	83	10/04/22	JR/JM	BM	P	DESTRUCT, COVERS D33

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
09/21/22	D35	P23/P24	98' W OF EOS	DF-11	09/27/22	9:20 AM	3x6	DF-11	WL	4	10/04/22	JR/JM	BM	P	DESTRUCT, COVERS D103
09/23/22	D36	P43/P44	ANCHOR TRENCH	WR	09/26/22	2:13 PM	2x6	D	WL	83	10/04/22	JR/JM	BM	P	
09/23/22	D37	P44/P45	ANCHOR TRENCH	WR	09/26/22	2:30 PM	2x7	D	WL	83	10/04/22	JR/JM	BM	P	
09/23/22	D38	P45/P46	ANCHOR TRENCH	WR	09/26/22	2:47 PM	2x10	DF-12	WL	83	10/04/22	JR/JM	BM	P	
09/23/22	D39	P47/P49/P50	INTERSECTION	INT	09/24/22	8:37 AM	3x5	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D40	P47/P48/P50/P52	INTERSECTION	INT	09/24/22	8:59 AM	2x8	CAP	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D41	P48/P52	15' N OF EOS	DF-13	09/24/22	9:06 AM	2x5	DF-13	WL	83	10/03/22	JR/JM	BM	P	DESTRUCT
09/23/22	D42	P50/P52/P54	INTERSECTION	INT	09/24/22	9:08 AM	2x3	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D43	P50/P53/P54	INTERSECTION	INT	09/24/22	9:15 AM	2x2	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D44	P49/P50/P53	INTERSECTION	INT	09/24/22	9:50 AM	2x2	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D45	P49/P51	210' N OF EOS	DF-14	09/27/22	1:25 PM	2x5	DF-14	SR	198	10/03/22	JR/JM	BM	P	DESTRUCT
09/23/22	D46	P49/P51/P53	INTERSECTION	INT	09/27/22	1:57 PM	3x3	D	SR	198	10/03/22	JR/JM	BM	P	
09/23/22	D47	P53/P54/P57	INTERSECTION	INT	09/24/22	9:40 AM	2x5	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D48	P53/P56/P57	INTERSECTION	INT	09/24/22	10:00 AM	3x4	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D49	P51/P53/P56	INTERSECTION	INT	09/24/22	1:50 PM	2x3	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D50	P51/P55/P56	INTERSECTION	INT	09/27/22	1:15 PM	2x2	D	SR	198	10/03/22	JR/JM	BM	P	
09/23/22	D51	P55/P58/P59	INTERSECTION	INT	09/27/22	1:40 PM	4x8	D	SR	198	10/04/22	JR/JM	BM	P	
09/23/22	D52	P55/P58	50' N IF EOS	DF-15	09/27/22	2:45 PM	2x5	DF-15	SR	198	10/04/22	JR/JM	BM	P	DESTRUCT
09/23/22	D53	P55/P56/P59	INTERSECTION	INT	09/24/22	1:40 PM	2x4	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D54	P56/P59/P60	INTERSECTION	INT	09/24/22	11:07 AM	5x6	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D55	P56/P57/P60	INTERSECTION	INT	09/24/22	11:10 AM	6x7	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D56	P57/P60/P63	INTERSECTION	INT	09/24/22	10:26 AM	3x5	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D57	P30/P47	3' N OF EOS	DF-16	09/27/22	8:16 AM	3x11	DF-16	WL	47	10/03/22	JR/JM	BM	P	DESTRUCT, COVERS D21/105
09/23/22	D58	P58/P59	22' N OF EOS	BO	09/27/22	1:50 PM	3x4	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D59	P58/P59	63' N OF EOS	BO	09/27/22	2:00 PM	2x5	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D60	P54/P57	45' N OF EOS	DF-17	09/27/22	9:33 AM	2x5	DF-17	WL	83	10/03/22	JR/JM	BM	P	DESTRUCT
09/23/22	D61	P60/P62/P63	INTERSECTION	INT	09/27/22	10:30 AM	2x7	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D62	P59/P60/P62	INTERSECTION	INT	09/27/22	10:50 AM	4x6	D	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D63	P58/P59/P62	INTERSECTION	INT	09/27/22	1:45 PM	2x5	D	SR	198	10/04/22	JR/JM	BM	P	
09/23/22	D64	P58/P61/P62	INT	INT	09/27/22	2:00 PM	3x8	D	SR	198	10/04/22	JR/JM	BM	P	
09/23/22	D65	P60/P62	23' N OF EOS	DF-18	09/27/22	10:45 AM	2x5	DF-18	WL	83	10/03/22	JR/JM	BM	P	DESTRUCT
09/23/22	D66	P61/P62/P65	INT	INT	09/27/22	2:30 PM	2x3	D	SR	198	10/04/22	JR/JM	BM	P	
09/23/22	D67	P61/P64/P65	INT	INT	09/27/22	2:10 PM	3x3	D	SR	198	10/04/22	JR/JM	BM	P	
09/23/22	D68	P61/P64	148' N OF EOS	DF-19	09/27/22	2:40 PM	2x5	DF-19	WL	47	10/03/22	JR/JM	BM	P	DESTRUCT
09/23/22	D69	P65/P67/P68	INT	INT	09/27/22	1:00 PM	2x2	D	WL	83	10/04/22	JR/JM	BM	P	
09/23/22	D70	P64/P65/P67	INT	INT	09/27/22	1:25 PM	2x2	D	SR	198	10/04/22	JR/JM	BM	P	
09/23/22	D71	P64/P66/P67	INT	INT	09/27/22	2:20 PM	2x2	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D72	P65/P67	48' N OF EOS	DF-20	09/24/22	1:28 PM	2x5	DF-20	WL	83	10/04/22	JR/JM	BM	P	DESTRUCT
09/23/22	D73	P67/P68/P70	INT	INT	09/24/22	1:05 PM	4x5	D	WL	83	10/04/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
09/23/22	D74	P67/P70	26' S OF NEOS	BO	09/24/22	1:23 PM	3x8	D	WL	83	10/04/22	JR/JM	BM	P	
09/23/22	D75	P67/P69/P70	INT	INT	09/27/22	2:45 PM	2x2	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D76	P66/P67/P69	INT	INT	09/27/22	2:25 PM	2x3	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D77	P67/P69/P70	57' N OF SEOS	DF-21	09/27/22	2:35 PM	2x5	DF-21	WL	47	10/03/22	JR/JM	BM	P	DESTRUCT
09/23/22	D78	P68/P70/P71	INT	INT	09/27/22	11:39 AM	2x2	D	WL	83	10/04/22	JR/JM	BM	P	
09/23/22	D79	P72/P73	22'E OF WEOS	DF-22	09/27/22	1:17 PM	3x6	DF-22	WL	83	10/04/22	JR/JM	BM	P	DESTRUCT
09/23/22	D80	P69/P72	54' N OF SEOS	DF-23	09/27/22	2:30 PM	2x5	DF-23	WL	47	10/03/22	JR/JM	BM	P	DESTRUCT
09/23/22	D81	P70/P71/P73	INT	INT	09/27/22	11:50 AM	3x4	D	WL	83	10/04/22	JR/JM	BM	P	
09/23/22	D82	P69/P70/P72	INT	INT	09/27/22	2:50 PM	2x2	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D83	P1/P2/P69/P72	INT	INT	09/24/22	7:55 AM	3x5	D	JL	1	10/03/22	JR/JM	BM	P	
09/23/22	D84	P2/P3/P69	INT	INT	09/24/22	8:02 AM	2x2	D	JL	1	10/03/22	JR/JM	BM	P	
09/23/22	D85	P3/P66/P69	INT	INT	09/24/22	8:12 AM	4x4	D	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D86	P3/P4/P66	INT	INT	09/24/22	8:18 AM	2x2	D	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D87	P4/P5/P64/P66	INT	INT	09/24/22	8:47 AM	2x18	CAP	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D88	P5/P6/P12/P13/P64	INT	INT	09/24/22	1:20 PM	4x24	CAP	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D89	P13/P14/P61/P64	INT	INT	09/24/22	1:36 PM	3x8	CAP	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D90	P14/P15/P61	INT	INT	09/24/22	1:44 PM	2x3	D	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D91	P15/P58/P61	INT	INT	09/24/22	1:51 PM	2x4	D	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D92	P15/P16/P58	INT	INT	09/24/22	1:58 PM	3x4	D	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D93	P16/P17/P58	INT	INT	09/27/22	1:52 PM	2x2	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D94	P17/P55/P58	INT	INT	09/27/22	1:15 PM	3x3	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D95	P17/P18/P55	INT	INT	09/27/22	1:10 PM	2x3	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D96	P18/P19/P55	INT	INT	09/27/22	1:06 PM	2x3	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D97	P19/P20/P51/P55	INT	INT	09/27/22	1:00 PM	3x7	CAP	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D98	P20/P21/P51	INT	INT	09/27/22	12:50 PM	2x4	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D99	P21/P49/P51	INT	INT	09/27/22	10:28 AM	4x8	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D100	P21/P22/P51	INT	INT	09/27/22	10:10 AM	2x2	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D101	P22/P23/P49	INT	INT	09/27/22	10:07 AM	2x2	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D102	P23/P47/P49	INT	INT	09/27/22	10:02 AM	7x8	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D103	P23/P24/P47	INT	INT	09/27/22	-	-	D	WL	47	-	-	-	-	COVERED BY D35
09/23/22	D104	P24/P25/P27/P47	INT	INT	09/27/22	9:14 AM	3x5	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D105	P27/P29/P30/P47	INT	INT	09/27/22	-	-	D	WL	47	-	-	-	-	COVERED BY D57
09/23/22	D106	P29/P30/P31/P47	INT	INT	09/27/22	7:43 AM	3x4	D	WL	47	10/03/22	JR/JM	BM	P	COVERS D22
09/23/22	D107	P30/P31/P47	INT	INT	09/27/22	7:38 AM	2x2	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D108	P32/P33/P47	INT	INT	09/27/22	7:33 AM	2x3	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D109	P33/P34/P47	INT	INT	09/27/22	7:22 AM	2x2	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D110	P34/P35/P47	INT	INT	09/27/22	7:09 AM	2x5	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D111	P35/P36/P47	INT	INT	09/27/22	6:50 AM	2x2	D	WL	47	10/03/22	JR/JM	BM	P	
09/23/22	D112	P36/P37/P47	INT	INT	09/26/22	3:35 PM	4x5	D	WL	83	10/03/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
09/23/22	D113	P37/P38/P47	INT	INT	09/26/22	3:23 PM	3x3	P	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D114	P38/P39/P47	INT	INT	09/26/22	3:16 PM	2x3	P	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D115	P39/P40/P47	INT	INT	09/26/22	3:11 PM	2x2	P	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D116	P40/P41/P47	INT	INT	09/24/22	-	-	P	WL	83	-	-	-	-	COVERED BY D32
09/23/22	D117	P41/P42/P47	INT	INT	09/24/22	8:20 AM	2x2	P	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D118	P42/P43/P47/P48	INT	INT	09/24/22	8:09 AM	2x4	P	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D119	P43/P44/P48	INT	INT	09/24/22	8:05 AM	2x2	P	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D120	P1/P2	60' N OF SEOS	PT	09/24/22	9:24 AM	2x2	P	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D121	P8/P9	13' W OF EEOS	BO	09/24/22	11:04 AM	2x2	P	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D122	P3/P4	46' S OF NEOS	PT	09/24/22	10:23 AM	2x2	P	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D123	P7/P8	AT	WR	09/24/22	10:47 AM	2x2	P	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D124	P8/P10	E-W	FS	09/24/22	11:32 AM	2x10	CAP	JLO	1	10/03/22	JR/JM	BM	P	COVERS D11/12
09/23/22	D125	P22/P23	AT	WR	09/24/22	9:57 AM	2x6	P	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D126	P18/P19	30' W OF EEOS	PT	09/24/22	8:48 AM	3x3	P	JLO	1	10/03/22	JR/JM	BM	P	
09/23/22	D127	P59/P62	159' N OF SEOS	PT	09/24/22	1:36 PM	2x5	P	WL	83	10/03/22	JR/JM	BM	P	
09/23/22	D128	P55/P58	154' S OF NEOS	PT	09/24/22	2:55 PM	2x5	P	SR	4	10/04/22	JR/JM	BM	P	
09/23/22	D129	P20/P21	15' W OF EEOS	PT	10/03/22	9:16 AM	2x10	CAP	JLO	1	10/04/22	JR/JM	BM	P	
09/23/22	D130	P55/P58	30' S OF NEOS	PT	09/24/22	2:40 PM	2x5	P	SR	198	10/04/22	JR/JM	BM	P	
09/23/22	D131	P55/P58	94' S OF NEOS	PT	09/27/22	3:00 PM	2x2	P	SR	198	10/04/22	JR/JM	BM	P	
09/26/22	D132	P46/P74	AT	WR	09/27/22	1:23 PM	2x2	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D133	P46/P74	15' W OF EEOS	DF-25	09/27/22	1:36 PM	2x5	DF-25	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D134	P74/P75	77' W OF EEOS	DF-24	09/27/22	10:21 AM	2x5	DF-24	GS	1	10/19/22	JR/JM	BM	P	
09/26/22	D135	P75/P76	AT	WR	09/27/22	1:17 PM	3x5	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D136	P82/P90	AT	IO	09/27/22	11:45 AM	6x12	CAP	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D137	P77/P78	AT	WR	09/27/22	1:10 PM	4x5	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D138	P84/P85	71' S OF NEOS	DF-26	09/27/22	10:04 AM	2x5	DF-26	GS	1	10/15/22	JR/JM	BM	P	
09/26/22	D139	P91/P92	24' S OF NEOS	W	09/27/22	8:55 AM	2x4	P	GS	1	10/15/22	JR/JM	BM	P	
09/26/22	D140	P83/P91/P92	INT	INT	09/27/22	8:44 AM	2x10	P	GS	1	10/15/22	JR/JM	BM	P	
09/26/22	D141	P91/P92	44' S OF NEOS	PT	09/27/22	9:09 AM	2x4	P	GS	1	10/15/22	JR/JM	BM	P	
09/26/22	D142	P97/P98	25' S OF NEOS	DF-27	09/27/22	3:08 PM	2x5	DF-27	GS	1	10/15/22	JR/JM	BM	P	
09/26/22	D143	P83/P92/P93	INT	INT	10/01/22	3:00 PM	4x7	P	JLO	1	10/04/22	JR/JM	BM	P	
09/26/22	D144	P83/P93	AT	WR	09/27/22	2:44 PM	2x3	P	JLO	1	10/04/22	JR/JM	BM	P	
09/26/22	D145	P94/P95	72' S OF WEOS	DF-28	09/27/22	9:56 AM	2x5	DF-28	JLO	1	10/15/22	JR/JM	BM	P	
09/26/22	D146	P95/P96/P100	INT	INT	10/01/22	10:31 AM	2x7	P	JLO	1	10/04/22	JR/JM	BM	P	
09/26/22	D147	P96/P99/P100	INT	INT	10/01/22	10:11 AM	4x4	P	JLO	1	10/15/22	JR/JM	BM	P	
09/26/22	D148	P96/P98/P99	INT	INT	10/01/22	9:46 AM	4x4	P	JLO	1	10/15/22	JR/JM	BM	P	
09/26/22	D149	P96/P97/P98	INT	INT	10/01/22	9:37 AM	2x4	P	GS	1	10/15/22	JR/JM	BM	P	
09/26/22	D150	P99/P100	88' S OF NEOS	DF-29	10/01/22	9:23 AM	2x5	DF-29	GS	1	10/15/22	JR/JM	BM	P	
09/26/22	D151	P45/D37	3' W OF EEOS	DX-1	09/27/22	1:50 PM	2x5	DX-1	GS	1	10/15/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
09/26/22	D152	P46/P74/P83	INT	INT	09/27/22	9:18 AM	2x3	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D153	P74/P83/P84	INT	INT	09/27/22	9:23 AM	2x2	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D154	P74/P75/P84	INT	INT	09/27/22	9:31 AM	3x3	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D155	P75/P84/P85	INT	INT	09/27/22	9:38 AM	3x3	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D156	P75/P76/P85	INT	INT	09/27/22	9:47 AM	3x3	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D157	P76/P85/P86	INT	INT	09/27/22	9:56 AM	3x4	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D158	P76/P77/P78	INT	INT	09/27/22	10:12 AM	3x3	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D159	P77/P78/P86/87	INT	INT	09/27/22	10:23 AM	2x7	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D160	P78/P79/P87/P88	INT	INT	09/27/22	10:53 AM	4x7	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D161	P79/80/88/89	INT	INT	09/27/22	11:08 AM	3x11	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D162	P80/81/89/90	INT	INT	09/27/22	11:20 AM	2x7	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D163	P52/54/92/93	INT	DF-30	09/29/22	8:03 AM	3x10	DF-30	JLO	1	10/03/22	JR/JM	BM	P	
09/26/22	D164	P81/82/90	INT	INT	09/27/22	11:33 AM	3x7	P	GS	1	10/04/22	JR/JM	BM	P	
09/26/22	D165	P36/37	95' W OF EOS	BO	10/03/22	3:10 PM	2x4	P	SR	4	10/19/22	JR/JM	BM	P	
09/27/22	D166	P85/86	15' E OF WEOS	PT	09/28/22	2:52 PM	2x5	P	GS	1	10/04/22	JR/JM	BM	P	
09/27/22	D167	P86/87	9' E OF WEOS	PT	09/28/22	2:17 PM	2x2	P	GS	1	10/04/22	JR/JM	BM	P	
09/27/22	D168	P48/52/91/92	INT	INT	09/29/22	7:49 AM	2x8	P	JLO	1	10/03/22	JR/JM	BM	P	
09/27/22	D169	P64/87	3' E OF WEOS	DX-02	09/27/22	2:10 PM	2x5	DX-2	WL	47	10/03/22	JR/JM	BM	P	
09/27/22	D170	P44/45/91	INT	INT	09/29/22	7:19 AM	4x7	P	JLO	1	10/03/22	JR/JM	BM	P	
09/27/22	D171	P45/46/83/91	INT	INT	09/29/22	7:29 AM	4x6	P	JLO	1	10/03/22	JR/JM	BM	P	
09/27/22	D172	P44/45/48/91	INT	INT	09/27/22	2:09 PM	2x2	P	GS	1	10/04/22	JR/JM	BM	P	
09/27/22	D173	P30/57	3' N OF SEOS	DX-03	09/27/22	11:40 AM	2x5	DX-3	WL	47	10/03/22	JR/JM	BM	P	
09/27/22	D174	P54/57/93/94	INT	INT	09/29/22	8:24 AM	3x7	CAP	JLO	1	10/03/22	JR/JM	BM	P	
09/27/22	D175	P57/63/94/95	INT	INT	09/29/22	8:40 AM	2x7	CAP	JLO	1	10/03/22	JR/JM	BM	P	
09/27/22	D176	P62/63/95/96	INT	INT	09/29/22	9:06 AM	2x6	CAP	JLO	1	10/03/22	JR/JM	BM	P	
09/27/22	D177	P62/65/96/97	INT	INT	09/29/22	9:25 AM	4x8	CAP	JLO	1	10/03/22	JR/JM	BM	P	
09/27/22	D178	P65/68/97/98	INT	INT	09/29/22	9:36 AM	4x6	CAP	JLO	1	10/03/22	JR/JM	BM	P	
09/27/22	D179	P68/71/98/99	INT	INT	09/27/22	3:28 PM	3x17	CAP	SR	198	10/03/22	JR/JM	BM	P	
09/27/22	D180	P71/73/99/100	INT	INT	09/27/22	3:15 PM	2x11	CAP	SR	198	10/03/22	JR/JM	BM	P	
09/28/22	D181	P15/61	10' N OF SEOS	DF-31	09/29/22	7:24 AM	2x6	DF-31	WL	83	10/03/22	JR/JM	BM	P	
09/28/22	D182	P104/113	10' E OF WEOS	DF-32	10/03/22	3:20 PM	2x5	DF-32	SR	4	10/04/22	JR/JM	BM	P	
09/28/22	D183	P72/104	50' N OF SEOS	DF-33	09/29/22	10:10 AM	4x11	DF-33	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D184	P116/117	3' N OF SEOS	DF-34	10/03/22	11:45 AM	2x8	DF-34	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D185	P122/123	27' N OF SEOS	DF-35	10/03/22	10:10 AM	2x5	DF-35	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D186	P130/131	18' E OF WEOS	DF-36	09/27/22	8:14 AM	2x5	DF-36	WL	83	10/03/22	JR/JM	BM	P	
09/28/22	D187	P105/116	3' E OF WEOS	DF-37	10/03/22	2:25 PM	2x10	DF-37	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D188	P109/127	10' S OF NEOS	DF-38	10/01/22	11:25 AM	2x5	DF-38	SR	2	10/03/22	JR/JM	BM	P	
09/28/22	D189	P104/133/134	INT	INT	09/29/22	7:35 AM	2x2	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D190	P104/132/133	INT	INT	09/29/22	7:40 AM	2x2	P	WL	83	10/04/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
09/28/22	D191	P104/131/132	INT	INT	09/29/22	7:52 AM	2x4	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D192	P104/131	9' S OF NEOS	BO	09/29/22	7:56 AM	2x2	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D193	P104/110/130/131	INT	INT	09/29/22	8:00 AM	2x5	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D194	P110/112/129/130	INT	INT	09/29/22	8:36 AM	3x7	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D195	P111/112/128/129	INT	INT	09/29/22	9:04 AM	3x6	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D196	P110/111/112	INT	INT	09/29/22	8:49 AM	2x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D197	P73/104/113	INT	INT	09/29/22	7:30 AM	2x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D198	P72/73/104	INT	INT	09/29/22	8:23 AM	3x5	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D199	P72/103/104	INT	INT	10/01/22	10:45 AM	2x5	P	SR	2	10/04/22	JR/JM	BM	P	
09/28/22	D200	P103/104/110	INT	INT	09/29/22	9:12 AM	3x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D201	P107/109/111	INT	INT	09/29/22	8:16 AM	2x4	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D202	P107/109/111	INT	INT	09/29/22	9:38 AM	3x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D203	P109/111/127/128	INT	INT	09/29/22	9:42 AM	3x5	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D204	P109/126/127	INT	INT	10/01/22	11:35 AM	2x3	P	SR	2	10/04/22	JR/JM	BM	P	
09/28/22	D205	P109/125/126	INT	INT	10/01/22	11:45 AM	2x3	P	SR	2	10/04/22	JR/JM	BM	P	
09/28/22	D206	P108/109/124/125	INT	INT	10/01/22	11:50 AM	3x6	P	SR	2	10/04/22	JR/JM	BM	P	
09/28/22	D207	P106/107/109	INT	INT	10/01/22	11:20 AM	2x2	P	SR	2	10/04/22	JR/JM	BM	P	
09/28/22	D208	P122/123/124	INT	INT	10/03/22	10:00 AM	2x3	P	SR	4	10/15/22	JR/JM	BM	P	
09/28/22	D209	P102/103/106/107	INT	INT	10/01/22	11:05 AM	2x3	P	SR	2	10/04/22	JR/JM	BM	P	
09/28/22	D210	P117/118	53' S OF NEOS	BO	10/03/22	11:05 AM	2x5	P	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D211	P118/119/120	INT	INT	10/03/22	10:55 AM	2x5	P	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D212	P108/121/122/124	INT	INT	10/03/22	8:35 AM	3x8	P	SR	4	10/04/22	JR/JM	BM	P	
09/28/22	D213	P108/120/121	INT	INT	10/03/22	8:45 AM	3x5	P	SR	4	10/04/22	JR/JM	BM	P	
09/28/22	D214	P106/108/109	INT	INT	10/03/22	8:25 AM	2x5	P	SR	4	10/04/22	JR/JM	BM	P	
09/28/22	D215	P105/106/108	INT	INT	10/03/22	9:40 AM	2x5	P	SR	4	10/04/22	JR/JM	BM	P	
09/28/22	D216	P108/118/120	INT	INT	10/03/22	9:25 AM	2x17	CAP	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D217	P101/102/105	INT	INT	10/03/22	8:50 AM	2x2	P	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D218	P102/105/106	INT	INT	10/03/22	9:45 AM	2x3	P	SR	4	10/04/22	JR/JM	BM	P	
09/28/22	D219	P72/102/103	INT	INT	10/01/22	11:00 AM	3x6	P	SR	2	10/04/22	JR/JM	BM	P	
09/28/22	D220	P72/101/102	INT	INT	10/01/22	8:55 AM	2x2	P	SR	2	10/03/22	JR/JM	BM	P	
09/28/22	D221	P105/108/117/118	INT	INT	10/03/22	9:30 AM	2x5	P	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D222	P116/117	66' N OF SEOS	PT	10/03/22	11:20 AM	2x2	P	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D223	P116/117	49' N OF SEOS	PT	10/03/22	11:10 AM	2x2	P	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D224	P121/122	8' N OF SEOS	BO	10/03/22	10:40 AM	3x5	P	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D225	P107/110/111	INT	INT	09/29/22	9:34 AM	2x2	P	WL	83	10/04/22	JR/JM	BM	P	
09/28/22	D226	P95	9' W OF EEOS	DO	09/29/22	8:45 AM	2x2	P	JLO	1	10/03/22	JR/JM	BM	P	
09/28/22	D227	P1/114	AT	WR	10/03/22	1:00 PM	3x4	P	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D228	P139/140	137' S OF NEOS	DF-39	10/04/22	1:30 PM	2x5	DF-39	WL	4	10/15/22	JR/JM	BM	P	
09/28/22	D229	P141/142	103' S OF NEOS	DF-40	10/04/22	1:40 PM	2x5	DF-40	WL	4	10/15/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
09/28/22	D230	P142/143	60' S OF NEOS	DF-41	10/03/22	8:39 AM	2x5	DF-41	SR	4	10/15/22	JR/JM	BM	P	
09/28/22	D231	P110/112	12' E OF WEOS	DF-42	10/03/22	2:45 PM	2x5	DF-42	SR	4	10/04/22	JR/JM	BM	P	
09/28/22	D232	P148/150	34' S OF NEOS	DF-43	10/03/22	10:13 AM	2x5	DF-43	SR	4	10/15/22	JR/JM	BM	P	
09/30/22	D233	P145/148	16' S OF NEOS	DF-44	10/03/22	11:32 AM	3x5	DF-44	JLO	1	10/15/22	JR/JM	BM	P	
09/30/22	D234	P152/153	AT	WR	10/01/22	12:51 PM	3x10	P	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D235	P160/161	56' E OF WEOS	DF-47	10/03/22	11:41 AM	2x10	DF-47	WL	83	10/15/22	JR/JM	BM	P	
09/30/22	D236	P160/163	7' E OF WEOS	DF-46	10/03/22	10:08 AM	3x15	DF-46	WL	83	10/15/22	JR/JM	BM	P	
09/30/22	D237	P167/168	100' S OF NEOS	DF-48	10/03/22	1:52 PM	2x5	DF-48	WL	83	10/15/22	JR/JM	BM	P	
09/30/22	D238	P163/165	80' E OF WEOS	DF-49	10/03/22	9:11 AM	5x8	DF-49	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D239	P160/163/166	INT	INT	10/03/22	1:07 PM	3x4	P	JLO	1	10/04/22	JR/JM	BM	P	
09/30/22	D240	P148/151/154/157/160	INT	INT	10/01/22	9:45 AM	4x30	CAP	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D241	P154/157	12' N OF SEOS	BO	10/03/22	10:50 AM	3x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D242	P154/156/157	INT	INT	10/03/22	11:00 AM	4x4	P	WL	83	10/15/22	JR/JM	BM	P	
09/30/22	D243	P154/155/156	INT	INT	10/03/22	2:34 PM	2x4	P	JLO	1	10/15/22	JR/JM	BM	P	
09/30/22	D244	P151/152/153	INT	INT	10/03/22	2:38 PM	2x7	P	JLO	1	10/15/22	JR/JM	BM	P	
09/30/22	D245	P151/153/154	INT	INT	10/03/22	1:40 PM	5x7	P	JLO	1	10/15/22	JR/JM	BM	P	
09/30/22	D246	P148/149/150	INT	INT	10/03/22	3:11 PM	2x4	P	JLO	1	10/15/22	JR/JM	BM	P	
09/30/22	D247	P149/150	15' E OF WEOS	BO	10/03/22	3:39 PM	2x12	P	JLO	1	10/04/22	JR/JM	BM	P	
09/29/22	D248	P146/147	AT	WR	10/01/22	11:35 AM	3x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D249	P145/146	AT	WR	10/01/22	11:30 AM	3x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/29/22	D250	P142/143	10' S OF NEOS	BO	10/03/22	8:29 AM	4x4	P	JLO	1	10/04/22	JR/JM	BM	P	
09/29/22	D251	P140/141	AT	BS	10/01/22	3:08 PM	14x22	BS	JLO	1	10/04/22	JR/JM	BM	P	3 BOOT SKIRTS
09/29/22	D252	P138/139	AT	WR	10/01/22	10:55 AM	3x7	P	JLO	1	10/04/22	JR/JM	BM	P	
09/29/22	D253	P100/135	AT	WR	10/01/22	10:38 AM	2x2	P	JLO	1	10/04/22	JR/JM	BM	P	
09/30/22	D254	P156/157	AT	WR	10/01/22	1:17 PM	2x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D255	P157/158	AT	WR	10/01/22	1:27 PM	3x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D256	P158/159	AT	WR	10/01/22	1:43 PM	3x4	P	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D257	P165/166	AT	WR	10/01/22	2:01 PM	2x3	P	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D258	P147/148	12' N OF SEOS	W	10/03/22	10:40 AM	4x4	P	JLO	1	10/04/22	JR/JM	BM	P	
09/29/22	D259	P100/135	138' E OF WEOS	W	10/04/22	1:00 PM	3x10	P	WL	4	10/15/22	JR/JM	BM	P	
09/29/22	D260	P135/136	110' S OF NEOS	BO	10/04/22	1:25 PM	4x4	P	WL	4	10/15/22	JR/JM	BM	P	
09/30/22	D261	P148/150/151	INT	INT	10/04/22	10:23 AM	4x6	P	WL	4	10/15/22	JR/JM	BM	P	
10/01/22	D262	P172/173	100' N OF SEOS	DF-50	10/04/22	2:43 PM	2x5	DF-50	WL	83	10/15/22	JR/JM	BM	P	
09/30/22	D263	P157/159/160	INT	INT	10/04/22	10:30 AM	3x7	P	WL	83	10/04/22	JR/JM	BM	P	
09/30/22	D264	P159/160	15' W OF EEOS	PT	10/04/22	11:06 AM	3x3	P	WL	83	10/15/22	JR/JM	BM	P	
09/29/22	D265	P145/146/147	INT	INT	10/03/22	9:34 AM	3x10	P	JLO	1	10/15/22	JR/JM	BM	P	
09/29/22	D266	P145/146	35' N OF SEOS	B	10/03/22	9:43 AM	3x4	P	JLO	1	10/15/22	JR/JM	BM	P	
09/30/22	D267	P163/165/167	INT	INT	10/03/22	1:20 PM	2x3	P	WL	83	10/15/22	JR/JM	BM	P	
09/30/22	D268	P163/165	20' N OF SEOS	PT	10/03/22	1:35 PM	2x5	P	WL	83	10/15/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
09/30/22	D269	P170/171	15' S OF NEOS	W	10/03/22	8:49 AM	3x5	P	WL	83	10/15/22	JR/JM	BM	P	
09/30/22	D270	P170/171	35' N OF SEOS	PT	10/03/22	3:11 PM	2x2	P	WL	83	10/04/22	JR/JM	BM	P	
10/01/22	D271	P171/172	AT	W	10/01/22	2:18 PM	2x4	P	WL	83	10/04/22	JR/JM	BM	P	
10/01/22	D272	P172/173	8' N OF SEOS	BO	10/04/22	2:11 PM	4x5	P	WL	4	10/15/22	JR/JM	BM	P	
10/01/22	D273	P172/173	15' N OF SEOS	BO	10/04/22	2:20 PM	2x2	P	WL	4	10/15/22	JR/JM	BM	P	
10/01/22	D274	P173/174	AT	WR	10/04/22	2:15 PM	2x3	P	WL	4	10/15/22	JR/JM	BM	P	
09/28/22	D275	P101/105/115/116	INT	INT	10/03/22	2:15 PM	3x7	P	SR	4	10/03/22	JR/JM	BM	P	
09/30/22	D276	P153/154	35' E OF WEOS	BO	10/03/22	2:38 PM	2x2	P	JLO	1	10/03/22	JR/JM	BM	P	
09/28/22	D277	P72/101/114/115	INT	INT	10/03/22	1:50 PM	3x16	CAP	SR	4	10/03/22	JR/JM	BM	P	
09/28/22	D278	P1/72/114	INT	INT	10/03/22	1:15 PM	3x3	P	SR	4	10/03/22	JR/JM	BM	P	
09/29/22	D279	P143/144/145	INT	INT	10/03/22	9:12 AM	3x7	P	JLO	1	10/15/22	JR/JM	BM	P	
10/03/22	D280	P108/D216	3' E OF WEOS	DX-04	10/03/22	2:35 PM	2x5	DX-04	SR	4	10/03/22	JR/JM	BM	P	
10/03/22	D281	P141/D251	8' W OF EEOS	DX-05	10/03/22	1:45 PM	2x5	DX-05	JLO	1	10/15/22	JR/JM	BM	P	
10/03/22	D282	P154/D240	12' N OF SEOS	DX-06	10/03/22	1:22 PM	2x5	DX-06	JLO	1	10/15/22	JR/JM	BM	P	
09/30/22	D283	P145/147/148	INT	INT	10/03/22	11:22 AM	3x15	CAP	JLO	1	10/04/22	JR/JM	BM	P	
09/29/22	D284	P142/143/145	INT	INT	10/03/22	11:47 AM	2x5	P	JLO	1	10/04/22	JR/JM	BM	P	
09/28/22	D285	P114/115	8' S OF NEOS	BO	10/03/22	2:00 PM	2x2	P	SR	4	10/03/22	JR/JM	BM	P	
09/30/22	D286	P157/158/159	INT	INT	10/03/22	1:15 PM	3x3	P	WL	83	10/15/22	JR/JM	BM	P	
10/03/22	D287	P148/160	19' S OF NEOS	DX-07	10/04/22	3:00 PM	2x5	DX-07	WL	4	10/15/22	JR/JM	BM	P	
10/03/22	D288	P169/170	32' N OF SEOS	PT	10/04/22	3:20 PM	2x8	P	WL	4	10/15/22	JR/JM	BM	P	
10/04/22	D289	P73/100/113/135	INT	INT	10/04/22	1:15 PM	4x8	P	WL	4	10/15/22	JR/JM	BM	P	
10/04/22	D290	P113/135/136	INT	INT	10/04/22	1:20 PM	2x2	P	WL	4	10/15/22	JR/JM	BM	P	
10/11/22	D291	P172/173/176	INT	INT	10/12/22	11:01 AM	3x6	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D292	P173/174/176/177	INT	INT	10/12/22	11:07 AM	2x2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D293	P175/178	AT	WR	10/12/22	2:13 PM	2x7	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D294	P174/175/177	INT	INT	10/12/22	11:31 AM	4x9	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D295	P175/178	17' N OF SEOS	WR	10/12/22	1:57 PM	4x5	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D296	P174/175	4' N OF SEOS	DF-51	10/12/22	2:22 PM	2x5	DF-51	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D297	P175/178	155' N OF SEOS	DF-52	10/13/22	11:51 AM	3x14	DF-52	JLO	1	10/15/22	JR/JM	BM	P	COVERS D330
10/11/22	D298	P179/180/181	INT	INT	10/12/22	11:55 AM	4x7	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D299	P179/181/182	INT	INT	10/12/22	1:00 PM	4x5	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D300	P179/182/183	INT	INT	10/12/22	1:17 PM	3x4	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D301	P179/183/184	INT	INT	10/12/22	1:36 PM	6x6	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D302	P182/183	76' N OF SEOS	DF-53	10/12/22	10:36 AM	2x5	DF-53	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D303	P179/184	AT	WR	10/12/22	1:44 PM	2x2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D304	P186/188/189	INT	INT	10/12/22	2:44 PM	4x7	P	JLO	1	10/15/22	JR/JM	BM	P	
10/11/22	D305	P186/187/188	INT	INT	10/12/22	-	-	P	SR	4	-	-	-	-	COVERED BY D306
10/11/22	D306	P186/187	5' E OF WEOS	DF-54	10/12/22	11:05 AM	3x11	DF-54	SR	4	10/15/22	JR/JM	BM	P	COVERS D305
10/11/22	D307	P191/192	9' E OF WEOS	BO	10/12/22	2:05 PM	3x6	P	SR	4	10/15/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
10/11/22	D308	P192/193	17' E OF WEOS	IO	10/12/22	2:00 PM	3x9	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D309	P191/192/193	INT	INT	10/12/22	1:35 PM	4X5	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D310	P193/194/195	INT	INT	10/12/22	2:20 PM	5X5	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D311	P193/195	29' E OF WEOS	W	10/12/22	1:25 PM	2X5	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D312	P191/193	31' E OF WEOS	W	10/12/22	11:30 AM	2X5	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D313	P195/196/197	INT	INT	10/12/22	1:25 PM	4X5	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D314	P193/195/197	INT	INT	10/12/22	12:00 PM	3X4	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D315	P194/195	9' E OF WEOS	BO	10/12/22	2:25 PM	2X3	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D316	P193/197	12' E OF WEOS	DF-55	10/12/22	11:45 AM	2X5	DF-55	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D317	P196/197	AT	WR	10/12/22	2:30 PM	4X7	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D318	P198/199	12' N OF SEOS	W	10/12/22	2:35 PM	3X10	P	SR	4	10/15/22	JR/JM	BM	P	
10/11/22	D319	P197/198	77' N OF SEOS	DF-56	10/12/22	1:00 PM	2X5	DF-56	SR	4	10/15/22	JR/JM	BM	P	
10/12/22	D320	P199/200	AT	WR	10/12/22	3:00 PM	3X7	P	SR	4	10/15/22	JR/JM	BM	P	
10/12/22	D321	P201/202	AT	WR	10/12/22	3:05 PM	3X3	P	SR	4	10/15/22	JR/JM	BM	P	
10/12/22	D322	P203/204	45' N OF SEOS	DF-57	10/15/22	8:00 AM	2X6	DF-57	SR	4	10/15/22	JR/JM	BM	P	COVERS D425
10/12/22	D323	P188/D306	3' W OF EEOS	DX-08	10/12/22	2:51 PM	2X5	DX-08	JLO	1	10/15/22	JR/JM	BM	P	
10/12/22	D324	P179/D298	2' E OF WEOS	DX-09	10/12/22	12:53 PM	2X5	DX-09	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D325	P205/206	108' E OF WEOS	W	10/13/22	1:05 PM	3X5	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D326	P206/207	275' E OF WEOS	DF-58	10/14/22	2:15 PM	2X5	DF-58	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D327	P207/208	203' E OF WEOS	DF-59	10/13/22	2:50 PM	2X5	DF-58	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D328	P179/180/205	INT	INT	10/13/22	11:27 AM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D329	P178/179/205	INT	INT	10/13/22	11:32 AM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D330	P175/178/205	INT	INT	10/13/22	-	-	P	JLO	1	-	-	-	-	COVERED BY D297
10/13/22	D331	P175/177/205	INT	INT	10/13/22	12:39 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D332	P176/177/205	INT	INT	10/13/22	12:44 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D333	P172/176/205	INT	INT	10/13/22	12:51 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D334	P171/172/205	INT	INT	10/13/22	12:57 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D335	P170/171/205	INT	INT	10/13/22	1:11 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D336	P169/170/205	INT	INT	10/13/22	1:24 PM	2X4	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D337	P168/169/205	INT	INT	10/13/22	1:44 PM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D338	P167/168/205	INT	INT	10/13/22	2:00 PM	4X8	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D339	P166/167/205	INT	INT	10/13/22	2:14 PM	5X15	CAP	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D340	P166/205/206	INT	INT	10/13/22	2:20 PM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D341	P148/160/166/206	INT	INT	10/13/22	12:56 PM	3X12	CAP	WL	83	10/15/22	JR/JM	BM	P	COVERS D342
10/13/22	D342	P148/206/207	INT	INT	10/13/22	-	-	P	WL	83	-	-	-	-	COVERED BY D341
10/13/22	D343	P148/207	8' S OF NEOS	DF-60	10/13/22	11:39 AM	2X7	DF-60	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D344	P207	4' S OF NEOS/3' E	DO	10/13/22	12:32 PM	2X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D345	P145/148/207/208	INT	INT	10/13/22	12:40 PM	3X6	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D346	P142/143/145/208/209	INT	INT	10/13/22	1:15 PM	4X11	CAP	WL	83	10/15/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
10/13/22	D347	P141/142/209	INT	INT	10/13/22	1:34 PM	3X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D348	P140/141/209/210	INT	INT	10/13/22	1:40 PM	3X8	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D349	P140/209/210	INT	INT	10/13/22	2:15 PM	3X5	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D350	P139/140/210	INT	INT	10/13/22	2:24 PM	4X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D351	P138/139/210	INT	INT	10/13/22	2:30 PM	2X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D352	P137/138/210	INT	INT	10/13/22	2:34 PM	2X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D353	P136/137/210/211/212	INT	INT	10/13/22	2:44 PM	4X9	CAP	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D354	P209/210/211	INT	INT	10/13/22	11:07 AM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D355	P209/211/212	INT	INT	10/13/22	3:06 PM	3X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D356	P209/212/213	INT	INT	10/13/22	3:12 PM	3X6	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D357	P208/209/213/216	INT	INT	10/13/22	3:02 PM	4X9	CAP	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D358	P207/208/215/216	INT	INT	10/13/22	3:14 PM	4X8	CAP	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D359	P207/214/215	INT	INT	10/13/22	3:20 PM	2X4	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D360	P134/207/214/220	INT	INT	10/14/22	3:25 PM	4X15	CAP	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D361	P104/134/214	INT	INT	10/13/22	3:30 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D362	P113/214/215	INT	INT	10/13/22	3:37 PM	2X4	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D363	P113/215/216	INT	INT	10/13/22	3:41 PM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D364	P113/213/216	INT	INT	10/13/22	3:27 PM	3X7	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D365	P113/212/213	INT	INT	10/13/22	3:22 PM	2X2	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D366	P113/126/212	INT	INT	10/13/22	2:49 PM	3X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D367	P113/216	11' W OF EOS	DF-61	10/13/22	3:36 PM	2X5	DF-61	WL	83	10/15/22	JR/JM	BM	P	
10/13/22	D368	P170	2' E OF WEOS/3' S	DO	10/13/22	1:17 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D369	P169	9' E OF WEOS/3' S	DO	10/13/22	1:38 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D370	P104/134/214	INT	INT	10/13/22	3:27 PM	3X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/13/22	D371	P167	6' S OF NEOS/4' W	DO	10/13/22	2:06 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D372	P124/125/221/227	INT	INT	10/15/22	8:24 AM	3X10	CAP	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D373	P125/126/221	INT	INT	10/14/22	2:00 PM	3X5	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D374	P126/127/221	INT	INT	10/14/22	2:12 PM	3X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D375	P127/128/221	INT	INT	10/14/22	2:16 PM	3X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D376	P128/129/221	INT	INT	10/14/22	2:20 PM	3X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D377	P129/130/221	INT	INT	10/15/22	8:18 AM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D378	P130/131/221	INT	INT	10/15/22	8:10 AM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D379	P131/132/221	INT	INT	10/15/22	7:49 AM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D380	P132/133/221	INT	INT	10/15/22	7:32 AM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D381	P133/134/220/221	INT	INT	10/14/22	3:05 PM	4X11	CAP	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D382	P206/207/218/220	INT	INT	10/14/22	2:23 PM	4X6	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D383	P205/206/218	INT	INT	10/14/22	1:55 PM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D384	P215/217/218	INT	INT	10/14/22	1:49 PM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D385	P180/205/217	INT	INT	10/14/22	1:41 PM	3X3	P	JLO	1	10/15/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
10/14/22	D386	P180/181/217	INT	INT	10/14/22	1:27 PM	4X5	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D387	P181/182/217	INT	INT	10/14/22	11:55 AM	3X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D388	P182/183/217	INT	INT	10/14/22	11:51 AM	3X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D389	P183/184/217	INT	INT	10/14/22	11:44 AM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D390	P184/185/217	INT	INT	10/14/22	11:38 AM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D391	P185/186/217	INT	INT	10/14/22	11:33 AM	2X5	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D392	P186/187/217	INT	INT	10/14/22	1:20 PM	2X8	CAP	WL	83	10/15/22	JR/JM	BM	P	COVERS D393
10/14/22	D393	P187/188/217	INT	INT	10/14/22	-	-	P	WL	83	-	-	-	-	COVERED BY D392
10/14/22	D394	P188/189/217	INT	INT	10/14/22	1:16 PM	2X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D395	P219/220/222	INT	INT	10/14/22	1:39 PM	3X8	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D396	P220/221/222	INT	INT	10/14/22	1:54 PM	3X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D397	P217/218/219	INT	INT	10/14/22	12:55 PM	5X9	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D398	P218/219/220	INT	INT	10/14/22	1:04 PM	3X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D399	P218/220	67' N OF SEOS	DF-62	10/15/22	7:52 AM	3X6	DF-62	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D400	P220/221	82' N OF SEOS	DF-63	10/14/22	2:32 PM	2X5	DF-63	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D401	P180/217	14' N OF SEOS	BO	10/14/22	1:34 PM	2X2	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D402	P221/222	6' N OF SEOS	PT	10/14/22	2:43 PM	3X9	CAP	WL	83	10/15/22	JR/JM	BM	P	COVERS D409
10/14/22	D403	P120/230	10' E OF WEOS	DO	10/15/22	9:30 AM	2X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D404	P120/120/230	INT	INT	10/15/22	9:18 AM	2X7	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D405	P121/227/230	INT	INT	10/15/22	-	-	P	WL	83	-	-	-	-	COVERED BY D406
10/14/22	D406	P121/122/227	INT	INT	10/15/22	9:00 AM	2X13	CAP	WL	83	10/15/22	JR/JM	BM	P	COVERS D405
10/14/22	D407	P122/123/227	INT	INT	10/15/22	8:20 AM	2X2	P	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D408	P123/124/227	INT	INT	10/15/22	8:42 AM	2X2	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D409	P221/222/227	INT	INT	10/15/22	-	-	P	WL	83	-	-	-	-	COVERED BY D402
10/14/22	D410	P222/227/228	INT	INT	10/15/22	-	-	P	WL	83	-	-	-	-	COVERED BY D409
10/14/22	D411	P219/222/228	INT	INT	10/15/22	3:07 PM	2X2	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D412	P219/228/229	INT	INT	10/15/22	3:13 PM	2X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D413	P217/219/220	INT	INT	10/15/22	3:16 PM	2X2	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D414	P217/226/229	INT	INT	10/15/22	7:26 AM	3X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D415	P189/217/226	INT	INT	10/15/22	7:33 AM	3X10	CAP	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D416	P189/190/225/226	INT	INT	10/15/22	7:48 AM	4X9	CAP	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D417	P190/191/193/223/226	INT	INT	10/14/22	3:00 PM	5X8	CAP	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D418	P193/197/198/223	INT	INT	10/14/22	3:10 PM	2X7	CAP	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D419	P198/199/223	INT	INT	10/14/22	3:15 PM	2X3	P	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D420	P223/224/225	INT	INT	10/15/22	7:30 AM	2X3	P	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D421	P199/200/223/224	INT	INT	10/14/22	3:00 PM	2X7	CAP	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D422	P200/201/224	INT	INT	10/15/22	7:45 AM	4X5	P	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D423	P201/202/224	INT	INT	10/15/22	7:50 AM	2X3	P	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D424	P202/203/224	INT	INT	10/15/22	7:55 AM	2X2	P	SR	4	10/15/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
Primary Geomembrane Defect / Repair Summary



Defect Date	Defect Number	Seam/Panel Number	Location	Defect Type	Defect Repair						Repair Vacuum Test				Remarks
					Repair Date	Time	Size	Type	Operator	Machine Number	Test Date	Tech	QA Monitor	P/F	
10/14/22	D425	P203/204/224	INT	INT	10/15/22	-	-	P	SR	4	-	-	-	-	COVERED BY D322
10/14/22	D426	P129/221	7' N OF SEOS	BO	10/15/22	8:23 AM	2X3	P	JLO	1	10/15/22	JR/JM	BM	P	
10/14/22	D427	P225/226	22' E OF WEOS	DF-64	10/15/22	8:12 AM	2X5	DF-64	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D428	P121/230	9' E OF WEOS	DF-65	10/15/22	9:15 AM	2X5	DF-65	WL	83	10/15/22	JR/JM	BM	P	
10/14/22	D429	P226/227/230	INT	INT	10/15/22	8:30 AM	2X3	P	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D430	P226/227/228	INT	INT	10/15/22	8:15 AM	2X2	P	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D431	P226/228/229	INT	INT	10/15/22	8:10 AM	2X3	P	SR	4	10/15/22	JR/JM	BM	P	
10/14/22	D432	P222/227	7' E OF WEOS	DF-66	10/14/22	3:54 PM	2X9	DF-66	WL	83	10/15/22	JR/JM	BM	P	COVERS D410
10/14/22	D433	P134/D381	5' N OF SEOS	DX-10	10/14/22	3:17 PM	2X5	DX-10	JLO	1	10/15/22	JR/JM	BM	P	
10/15/22	D434	P225/226/231	INT	INT	10/15/22	10:40 AM	3X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D435	P225/231/232	INT	INT	10/15/22	10:37 AM	2X2	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D436	P119/231	INT	INT	10/15/22	10:02 AM	2X2	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D437	P118/119/231	INT	INT	10/15/22	10:06 AM	2X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D438	P117/118/231	INT	INT	10/15/22	10:10 AM	4X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D439	P117/231/236	INT	INT	10/15/22	10:14 AM	3X5	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D440	P224/225/232	INT	INT	10/15/22	10:51 AM	3X3	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D441	P224/232/233	INT	INT	10/15/22	10:55 AM	2X2	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D442	P204/224/239	INT	INT	10/15/22	11:03 AM	3X5	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D443	P224/233/234	INT	INT	10/15/22	11:07 AM	2X2	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D444	P233/234/235	INT	INT	10/15/22	11:14 AM	2X2	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D445	P116/117/C479	INT	INT	10/15/22	10:30 AM	2X4	P	WL	83	10/15/22	JR/JM	BM	P	
10/15/22	D446	P119/120/226/230/231	INT	INT	10/15/22	9:37 AM	8X15	CAP	WL	83	10/15/22	JR/JM	BM	P	



APPENDIX J.8 – PRIMARY GEOMEMBRANE ACCEPTANCE FORMS

Geomembrane Acceptance Form



Client: <u>Cripple Creek & Victor Mining Co.</u> Project: <u>VLF2 Phase 3</u> Project No.: <u>475.0106.056</u>	Contractor: <u>Tetra Tech</u> Weather: <u>Sunny</u> Date: <u>10/24/2022</u>
Panels: <u>P1 through P236</u>	
Items Inspected: <u>All seaming and repair work is complete in the accepted area</u> <u>All seams and repairs have been pressure tested or vacuum tested</u> <u>All destructive samples have been tested and meet project specifications</u> <u>As-built panel layout, deployment logs, seaming logs, pressure testing logs, vacuum testing logs, repair logs, and destructive testing logs have been reviewed and approved for LVSCF placement.</u>	
Testing Performed: <u>Pressure Testing</u> <u>Destructive Testing</u> <u>Vacuum Testing</u> <u>Survey Completed</u>	
Deficient Items: _____ _____ _____ Remedial Actions: _____ _____ _____	
Geomembrane Accepted: YES <u>✓</u> NO _____	
Comments: _____ _____ _____	
Signatures: NewFields: <u>[Signature]</u> JHL: <u>[Signature]</u> CC&V: <u>[Signature]</u> Tetra Tech: <u>[Signature]</u> Other: _____ Date: <u>10/24/22</u> Date: <u>10/24/22</u> Date: <u>10/24/22</u> Date: <u>10/24/22</u> Date: _____	