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APPENDIX K.1 – 80-MIL GEOMEMBRANE DEPLOYMENT SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-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)	
10/5/2022	P-3969	0047	40	80	RB	360	22.5	8,100	7,768	7,768	
10/5/2022	P-3970	0023	40	80	RB	368.5	22.5	8,291	8,251	16,019	
10/5/2022	P-3971	0023	40	80	RB	22.5	22.5	506	440	16,460	
10/5/2022	P-3972	0041	40	80	RB	342	22.5	7,695	7,808	24,268	
10/5/2022	P-3973	0041	40	80	RB	44	22.5	990	919	25,186	
10/5/2022	P-3974	0048	40	80	RB	336	22.5	7,560	7,462	32,648	
10/5/2022	P-3975	0048	40	80	RB	62	22.5	1,395	1,285	33,934	
10/5/2022	P-3976	0070	40	80	RB	321	22.5	7,223	7,050	40,984	
10/5/2022	P-3977	0070	40	80	RB	74	22.5	1,665	1,551	42,535	
10/5/2022	P-3978	0073	40	80	RB	311	22.5	6,998	6,869	49,404	
10/5/2022	P-3979	0073	40	80	RB	88	22.5	1,980	1,858	51,262	
10/5/2022	P-3980	0063	40	80	RB	300	22.5	6,750	6,645	57,907	
10/6/2022	P-3981	0063	34	80	RB	101.5	22.5	2,284	2,110	60,017	
10/6/2022	P-3982	0069	34	80	RB	294	22.5	6,615	6,417	66,433	
10/6/2022	P-3983	0069	34	80	RB	90	22.5	2,025	1,868	68,302	
10/6/2022	P-3984	0044	34	80	RB	305	22.5	6,863	6,767	75,068	
10/6/2022	P-3985	0044	35	80	RB	83	22.5	1,868	1,807	76,875	
10/6/2022	P-3986	0045	35	80	RB	59	22.5	1,328	1,293	78,168	
10/6/2022	P-3987	0045	40	80	RB	138	22.5	3,105	2,999	81,167	
10/6/2022	P-3988	0045	40	80	RB	132.5	22.5	2,981	2,717	83,884	
10/6/2022	P-3989	0045	40	80	RB	33	22.5	743	734	84,617	
10/6/2022	P-3990	0067	40	80	RB	92.5	22.5	2,081	1,997	86,614	
10/6/2022	P-3991	0067	40	80	RB	117.5	22.5	2,644	2,498	89,112	
10/6/2022	P-3992	0067	45	80	RB	98	22.5	2,205	1,840	90,952	
10/6/2022	P-3993	0067	40	80	RB	56	22.5	1,260	1,156	92,107	
10/6/2022	P-3994	0119	40	80	RB	33	22.5	743	702	92,809	
10/6/2022	P-3995	0119	40	80	RB	121	22.5	2,723	2,567	95,376	
10/6/2022	P-3996	0119	40	80	RB	77	22.5	1,733	1,582	96,959	
10/6/2022	P-3997	0118	45	80	RB	77	22.5	1,733	1,574	98,532	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-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)	
10/6/2022	P-3998	0119	45	80	RB	75.5	22.5	1,699	1,593	100,125	
10/6/2022	P-3999	0118	45	80	RB	73.5	22.5	1,654	1,196	101,321	
10/6/2022	P-4000	0118	45	80	RB	132.5	22.5	2,981	2,821	104,142	
10/6/2022	P-4001	0118	45	80	RB	122.5	22.5	2,756	2,557	106,699	
10/6/2022	P-4002	0118	45	80	RB	32	22.5	720	629	107,327	
10/6/2022	P-4003	0068	45	80	RB	82	22.5	1,845	1,699	109,026	
10/6/2022	P-4004	0068	45	80	RB	102	22.5	2,295	2,091	111,117	
10/6/2022	P-4005	0068	45	80	RB	97	22.5	2,183	2,002	113,119	
10/6/2022	P-4006	0068	45	80	RB	79	22.5	1,778	1,987	115,105	
10/6/2022	P-4007	0039	47	80	RB	19	22.5	428	380	115,485	
10/6/2022	P-4008	0039	47	80	RB	99	22.5	2,228	2,220	117,706	
10/6/2022	P-4009	0039	47	80	RB	108.5	22.5	2,441	2,402	120,108	
10/6/2022	P-4010	0039	47	80	RB	110.5	22.5	2,486	2,335	122,443	
10/6/2022	P-4011	0043	48	80	RB	97.5	22.5	2,194	2,031	124,474	
10/6/2022	P-4012	0043	48	80	RB	87	22.5	1,958	1,869	126,343	
10/6/2022	P-4013	0043	48	80	RB	80.5	22.5	1,811	1,695	128,038	
10/6/2022	P-4014	0043	48	80	RB	74	22.5	1,665	1,559	129,597	
10/6/2022	P-4015	0122	48	80	RB	67	22.5	1,508	1,413	131,010	
10/6/2022	P-4016	0122	48	80	RB	55.5	22.5	1,249	1,139	132,149	
10/6/2022	P-4017	0122	48	80	RB	40	22.5	900	826	132,976	
10/6/2022	P-4018	0122	48	80	RB	29	22.5	653	613	133,588	
10/6/2022	P-4019	0122	48	80	RB	25	9	225	282	133,870	
10/7/2022	P-4020	0122	32	80	RB	91	22.5	2,048	1,955	135,825	
10/7/2022	P-4021	0134	32	80	RB	61	22.5	1,373	1,306	137,131	
10/7/2022	P-4022	0134	32	80	RB	157	22.5	3,533	3,406	140,538	
10/7/2022	P-4023	0134	32	80	RB	154	22.5	3,465	3,291	143,828	
10/7/2022	P-4024	0135	32	80	RB	11	22.5	248	225	144,053	
10/10/2022	P-4025	0135	48	80	BM	27	7	189	199	144,252	
10/10/2022	P-4026	0135	48	80	BM	51	22.5	1,148	1,076	145,327	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-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)	
10/10/2022	P-4027	0135	48	80	BM	129	22.5	2,903	2,515	147,842	
10/10/2022	P-4028	0135	48	80	BM	135	22.5	3,038	2,894	150,736	
10/10/2022	P-4029	0137	48	80	BM	154	22.5	3,465	3,331	154,068	
10/10/2022	P-4030	0137	48	80	BM	168	22.5	3,780	3,582	157,649	
10/10/2022	P-4031	0137	50	80	BM	19	22.5	428	190	157,839	
10/10/2022	P-4032	0137	50	80	BM	39	22.5	878	817	158,656	
10/10/2022	P-4033	0128	50	80	BM	155	22.5	3,488	3,271	161,927	
10/10/2022	P-4034	0128	50	80	BM	200	22.5	4,500	4,438	166,366	
10/10/2022	P-4035	0128	50	80	BM	23	22	506	553	166,919	
10/10/2022	P-4036	0138	50	80	BM	184	22.5	4,140	3,963	170,882	
10/10/2022	P-4037	0138	50	80	BM	205	22.5	4,613	4,353	175,235	
10/10/2022	P-4038	0124	54	80	BM	210	22.5	4,725	4,645	179,880	
10/10/2022	P-4039	0127	54	80	BM	174	22.5	3,915	3,752	183,632	
10/10/2022	P-4040	0132	54	80	BM	36	20	720	436	184,068	
10/10/2022	P-4041	0132	54	80	BM	166	22.5	3,735	3,660	187,727	
10/10/2022	P-4042	0132	54	80	BM	148	22.5	3,330	3,158	190,885	
10/10/2022	P-4043	0128	54	80	BM	4	22.5	90	99	190,984	
10/17/2022	P-4044	0116	38	80	TW	128.5	22.5	2,891	2,729	193,713	
10/17/2022	P-4045	0116	38	80	TW	106	22.5	2,385	2,221	195,934	
10/17/2022	P-4046	0116	38	80	TW	84	22.5	1,890	1,790	197,724	
10/17/2022	P-4047	0124	38	80	TW	73.5	22.5	1,654	1,476	199,200	
10/17/2022	P-4048	0124	38	80	TW	17.75	17	302	203	199,403	
10/17/2022	P-4049	0124	38	80	TW	52.4	22.5	1,179	1,084	200,487	
10/17/2022	P-4050	0124	42	80	TW	63	22.5	1,418	1,276	201,763	
10/17/2022	P-4051	0124	42	80	TW	63	22.5	1,418	1,277	203,040	
10/17/2022	P-4052	0124	42	80	TW	61.5	22.5	1,384	1,265	204,305	
10/17/2022	P-4053	0117	42	80	TW	12	9	108	77	204,382	
10/17/2022	P-4054	0117	42	80	TW	41.5	22.5	934	951	205,333	
10/17/2022	P-4055	0117	42	80	TW	60	22.5	1,350	1,237	206,570	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-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)	
10/17/2022	P-4056	0117	42	80	TW	59.5	22.5	1,339	1,221	207,791	
10/17/2022	P-4057	0117	42	80	TW	11.5	5	115	69	207,860	
10/17/2022	P-4058	0117	42	80	TW	40.5	22.5	911	984	208,844	
10/17/2022	P-4059	0117	42	80	TW	57	22.5	1,283	1,195	210,039	
10/17/2022	P-4060	0115	44	80	TW	57.5	22.5	1,294	1,198	211,237	
10/17/2022	P-4061	0115	44	80	TW	58.5	22.5	1,316	1,209	212,446	
10/17/2022	P-4062	0115	45	80	TW	62	22.5	1,395	1,335	213,781	
10/17/2022	P-4063	0115	45	80	TW	73	22.5	1,643	1,570	215,351	
10/17/2022	P-4064	0115	45	80	TW	90.5	22.5	2,036	1,910	217,261	
10/17/2022	P-4065	0121	45	80	TW	111	22.5	2,498	2,316	219,577	
10/17/2022	P-4066	0121	48	80	TW	117	22.5	2,633	2,904	222,482	
10/17/2022	P-4067	0121	48	80	TW	110	22.5	2,475	2,229	224,711	
10/17/2022	P-4068	0123	48	80	TW	37	22.5	833	696	225,407	
10/17/2022	P-4069	0123	48	80	TW	33	22.5	743	649	226,056	
10/17/2022	P-4070	0123	50	80	TW	33.5	22.5	754	593	226,649	
10/17/2022	P-4071	0123	50	80	TW	34	22.5	765	478	227,127	
10/17/2022	P-4072	0123	50	80	TW	89	22.5	2,003	1,915	229,042	
10/17/2022	P-4073	0123	50	80	TW	88	22.5	1,980	1,895	230,936	
10/17/2022	P-4074	0120	50	80	TW	88	22.5	1,980	1,913	232,849	
10/17/2022	P-4075	0120	50	80	TW	110.5	22.5	2,486	2,396	235,245	
10/17/2022	P-4076	0120	50	80	TW	111	22.5	2,498	2,408	237,653	
10/17/2022	P-4077	0120	50	80	TW	74	22.5	1,665	1,574	239,227	
10/17/2022	P-4078	0123	50	80	TW	35	22.5	788	772	239,999	
10/18/2022	P-4079	0130	49	80	TW	168	22.5	3,780	3,645	243,643	
10/18/2022	P-4080	0130	49	80	DK	177	22.5	3,983	3,861	247,504	
10/18/2022	P-4081	0125	49	80	DK	183	22.5	4,118	4,007	251,511	
10/18/2022	P-4082	0125	50	80	DK	189.5	22.5	4,264	4,184	255,695	
10/18/2022	P-4083	0228	50	80	DK	152.5	22.5	3,431	3,266	258,961	
10/18/2022	P-4084	0228	50	80	DK	153	22.5	3,443	2,941	261,903	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-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)	
10/18/2022	P-4085	0228	52	80	DK	31	12.5	388	361	262,264	
10/18/2022	P-4086	0228	55	80	DK	26	10	260	255	262,518	
10/18/2022	P-4087	0114	55	80	DK	135	22.5	3,038	2,952	265,471	
10/18/2022	P-4088	0114	55	80	DK	125	22.5	2,813	2,605	268,076	
10/18/2022	P-4089	0114	57	80	DK	110.5	22.5	2,486	2,430	270,506	
10/18/2022	P-4090	0230	55	80	DK	119	22.5	2,678	2,460	272,966	
10/18/2022	P-4091	0230	54	80	DK	115	22.5	2,588	2,460	275,426	
10/18/2022	P-4092	0114	53	80	DK	22.5	4	90	87	275,514	
10/18/2022	P-4093	0230	53	80	DK	119.5	22.5	2,689	2,447	277,961	
10/19/2022	P-4094	0229	49	80	DK	115	22.5	2,588	2,468	280,428	
10/19/2022	P-4095	0229	50	80	DK	116	22.5	2,610	2,508	282,936	
10/19/2022	P-4096	0229	51	80	DK	114.5	22.5	2,576	2,472	285,408	
10/19/2022	P-4097	0209	53	80	DK	114.5	22.5	2,576	2,481	287,889	
10/19/2022	P-4098	0209	53	80	DK	121	22.5	2,723	2,691	290,579	
10/19/2022	P-4099	0209	53	80	DK	128	22.5	2,880	2,686	293,265	
10/19/2022	P-4100	0207	53	80	DK	131	22.5	2,948	2,751	296,016	
10/19/2022	P-4101	0232	53	80	DK	35	22.5	788	637	296,653	
10/19/2022	P-4102	0232	54	80	DK	64.5	22.5	1,451	1,314	297,967	
10/19/2022	P-4103	0232	55	80	DK	10.5	20	210	193	298,160	
10/19/2022	P-4104	0232	55	80	DK	36	22.5	810	752	298,912	
10/19/2022	P-4105	0232	55	80	DK	77	22.5	1,733	1,584	300,497	
10/19/2022	P-4106	0232	58	80	DK	83	22.5	1,868	1,693	302,189	
10/19/2022	P-4107	0207	58	80	DK	86	22.5	1,935	1,916	304,105	
10/19/2022	P-4108	0231	59	80	DK	28	22.5	630	431	304,537	
10/19/2022	P-4109	0231	60	80	DK	62	22.5	1,395	1,222	305,759	
10/19/2022	P-4110	0207	61	80	DK	85.5	22.5	1,924	1,819	307,578	
10/19/2022	P-4111	0231	61	80	DK	88.5	22.5	1,991	1,835	309,413	
10/19/2022	P-4112	0231	57	80	DK	20	18	360	406	309,819	
10/19/2022	P-4113	0231	57	80	DK	64	22.5	1,440	1,509	311,328	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-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)	
10/19/2022	P-4114	0231	57	80	DK	93.5	22.5	2,104	1,794	313,121	
10/19/2022	P-4115	0227	56	80	DK	94	22.5	2,115	1,916	315,038	
10/19/2022	P-4116	0227	56	80	DK	96	22.5	2,160	2,008	317,045	
10/20/2022	P-4117	0227	46	80	DK	197.5	22.5	4,444	4,335	321,380	
10/20/2022	P-4118	0202	46	80	DK	151.5	22.5	3,409	3,435	324,816	
10/20/2022	P-4119	0202	46	80	DK	235.5	22.5	5,299	5,178	329,994	
10/20/2022	P-4120	0195	48	80	DK	114	22.5	2,565	2,491	332,486	
10/20/2022	P-4121	0195	48	80	DK	267	22.5	6,008	5,499	337,985	
10/20/2022	P-4122	0211	48	80	DK	58.5	22.5	1,316	1,248	339,233	
10/20/2022	P-4123	0211	50	80	DK	312	22.5	7,020	6,741	345,974	
10/20/2022	P-4124	0200	50	80	DK	304	22.5	6,840	6,798	352,772	
10/20/2022	P-4125	0200	50	80	DK	78	22.5	1,755	2,074	354,846	
10/20/2022	P-4126	0205	51	80	DK	212.5	22.5	4,781	4,632	359,478	
10/20/2022	P-4127	0205	56	80	DK	187.5	22.5	4,219	4,044	363,522	
10/20/2022	P-4128	0208	56	80	DK	96.5	22.5	2,171	2,086	365,608	
10/20/2022	P-4129	0208	57	80	DK	284.5	22.5	6,401	6,109	371,717	
10/20/2022	P-4130	0201	57	80	DK	281.5	22.5	6,334	5,233	376,950	
10/20/2022	P-4131	0201	53	80	DK	57	4.5	257	267	377,217	
10/20/2022	P-4132	0201	53	80	DK	49	22.5	1,103	1,036	378,253	
10/22/2022	P-4133	0210	38	80	DK	114.5	22.5	2,576	2,238	380,491	
10/22/2022	P-4134	0210	38	80	DK	118	22.5	2,655	2,459	382,950	
10/22/2022	P-4135	0210	40	80	DK	118.5	22.5	2,666	2,467	385,418	
10/22/2022	P-4136	0204	40	80	DK	119.5	22.5	2,689	2,510	387,927	
10/22/2022	P-4137	0204	40	80	DK	122.5	22.5	2,756	2,517	390,444	
10/22/2022	P-4138	0204	40	80	DK	122	22.5	2,745	1,579	392,023	
10/22/2022	P-4139	0203	39	80	DK	126	22.5	2,835	2,217	394,240	



APPENDIX K.2 – 80-MIL GEOMEMBRANE TRIAL SEAM SUMMARIES

APPENDIX K.2.1 – 80-MIL GEOMEMBRANE FUSION TRIAL SEAM SUMMARY

APPENDIX – K.2.2 80-MIL GEOMEMBRANE EXTRUSION TRIAL SEAM SUMMARY



APPENDIX K.2.1 – 80-MIL GEOMEMBRANE FUSION TRIAL SEAM SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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. = 100 ppi)		Outside Peel (Min. = 100 ppi)		Shear (Minimum = 120 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/5/2022	TF-1	8:40 AM	11	FC	40	850	8.5	126	BRK	132	BRK	153	BRK	P	DK	SS
10/5/2022	TF-2	8:50 AM	12	SP	40	850	7.5	132	BRK	138	BRK	167	BRK	P	DK	SS
								127	BRK	140	BRK					
10/5/2022	TF-3	8:40 AM	42	JR	40	850	7.5	159	BRK	150	BRK	173	BRK	P	DK	SS
								160	BRK	167	BRK					
10/5/2022	TF-4	9:50 AM	11	FC	40	850	10.0	119	BRK	120	BRK	142	BRK	P	DK	TT
								137	BRK	145	BRK					
10/5/2022	TF-5	10:15 AM	12	SP	40	850	5.5	162	BRK	155	BRK	175	BRK	P	DK	TT
								157	BRK	168	BRK					
10/6/2022	TF-6	7:05 AM	11	FC	34	850	7.0	130	BRK	154	BRK	163	BRK	P	RB	SS
								143	BRK	163	BRK					
10/6/2022	TF-7	7:13 AM	11	FC	34	850	7.5	131	BRK	160	BRK	181	BRK	P	RB	TT
								150	BRK	150	BRK					
10/6/2022	TF-8	7:13 AM	12	SP	34	850	7.0	161	BRK	153	BRK	183	BRK	P	RB	SS
								178	BRK	180	BRK					
10/6/2022	TF-9	7:14 AM	42	JR	34	850	7.0	158	BRK	158	BRK	182	BRK	P	RB	SS
								174	BRK	158	BRK					
10/6/2022	TF-10	7:28 AM	12	SP	34	850	5.5	146	BRK	150	BRK	173	BRK	P	RB	TT
								153	BRK	167	BRK					
10/6/2022	TF-11	12:45 PM	11	FC	45	852	10.0	136	BRK	146	BRK	160	BRK	P	RB	SS
								149	BRK	158	BRK					
10/6/2022	TF-12	12:41 PM	11	FC	45	853	10.0	158	BRK	167	BRK	168	BRK	P	RB	TT
								150	BRK	170	BRK					
10/6/2022	TF-13	12:51 PM	12	SP	45	854	7.0	148	BRK	170	BRK	181	BRK	P	RB	ST
								163	BRK	170	BRK					
10/6/2022	TF-14	12:59 PM	42	JR	45	855	9.5	151	BRK	160	BRK	170	BRK	P	RB	TT
								153	BRK	161	BRK					
10/6/2022	TF-15	12:57 PM	12	SP	45	856	5.5	151	BRK	160	BRK	163	BRK	P	RB	TT
								148	BRK	160	BRK					
10/6/2022	TF-16	12:06 PM	42	JR	45	857	9.5	153	BRK	163	BRK	181	BRK	P	RB	TT
								166	BRK	154	BRK					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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. = 100 ppi)		Outside Peel (Min. = 100 ppi)		Shear (Minimum = 120 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/7/2022	TF-17	7:12 AM	12	SP	32	850	10.0	148	BRK	159	BRK	184	BRK	P	RB	SS
								163	BRK	174	BRK					
10/7/2022	TF-18	7:19 AM	12	SP	32	850	5.5	171	BRK	172	BRK	199	BRK	P	RB	TT
								187	BRK	191	BRK					
10/7/2022	TF-19	7:25 AM	42	JR	32	850	7.0	136	BRK	142	BRK	175	BRK	P	RB	SS
								150	BRK	155	BRK					
10/10/2022	TF-20	9:08 AM	42	GS	40	850	9.0	158	BRK	144	BRK	162	BRK	P	DK	SS
								145	BRK	146	BRK					
10/10/2022	TF-21	9:06 AM	11	AG	40	850	9.0	141	BRK	127	BRK	142	BRK	P	DK	SS
								143	BRK	136	BRK					
10/10/2022	TF-22	9:06 AM	12	SP	40	850	7.0	127	BRK	137	BRK	154	BRK	P	DK	SS
								137	BRK	147	BRK					
10/10/2022	TF-23	9:03 AM	42	GS	40	850	9.0	131	BRK	129	BRK	138	BRK	P	DK	TT
								135	BRK	132	BRK					
10/10/2022	TF-24	9:05 AM	11	AG	40	850	8.0	133	BRK	133	BRK	143	BRK	P	DK	TT
								147	BRK	136	BRK					
10/10/2022	TF-25	9:11 AM	12	SP	40	850	6.0	142	BRK	127	BRK	143	BRK	P	DK	TT
								122	BRK	147	BRK					
10/10/2022	TF-26	12:43 PM	11	AG	51	850	9.0	139	BRK	155	BRK	163	BRK	P	DK	SS
								145	BRK	151	BRK					
10/10/2022	TF-27	12:48 PM	42	GS	51	850	7.0	147	BRK	162	BRK	159	BRK	P	DK	SS
								146	BRK	149	BRK					
10/10/2022	TF-28	12:49 PM	12	SP	51	850	7.0	146	BRK	151	BRK	161	BRK	P	DK	SS
								147	BRK	109	BRK					
10/10/2022	TF-29	12:43 PM	42	GS	51	850	10.0	133	BRK	151	BRK	170	BRK	P	DK	TT
								153	BRK	149	BRK					
10/10/2022	TF-30	12:46 PM	12	SP	51	850	6.5	151	BRK	143	BRK	164	BRK	P	DK	TT
								152	BRK	147	BRK					
10/10/2022	TF-31	12:45 PM	11	AG	51	850	8.0	149	BRK	151	BRK	159	BRK	P	DK	TT
								147	BRK	153	BRK					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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. = 100 ppi)		Outside Peel (Min. = 100 ppi)		Shear (Minimum = 120 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/17/2022	TF-32	9:52 AM	12	SP	38	850	7.0	149	BRK	147	BRK	197	BRK	P	DK	SS
								159	BRK	152	BRK					
10/17/2022	TF-33	9:05 AM	42	GS	35	850	8.5	154	BRK	160	BRK	176	BRK	P	DK	SS
								158	BRK	181	BRK					
10/17/2022	TF-34	10:00 AM	11	AG	38	850	7.0	135	BRK	160	BRK	189	BRK	P	DK	SS
								159	BRK	161	BRK					
10/17/2022	TF-35	9:00 AM	42	GS	35	850	8.5	172	BRK	167	BRK	185	BRK	P	DK	TT
								187	BRK	180	BRK					
10/17/2022	TF-36	12:44 PM	12	SP	45	850	7.0	157	BRK	160	BRK	187	BRK	P	DK	TT
								161	BRK	156	BRK					
10/17/2022	TF-37	12:43 PM	11	AG	45	850	9.0	170	BRK	175	BRK	185	BRK	P	DK	SS
								167	BRK	167	BRK					
10/17/2022	TF-38	12:45 PM	42	GS	45	850	8.5	157	BRK	163	BRK	183	BRK	P	DK	SS
								160	BRK	154	BRK					
10/17/2022	TF-39	2:28 PM	42	GS	48	850	6.5	153	BRK	157	BRK	191	BRK	P	DK	TT
								161	BRK	157	BRK					
10/18/2022	TF-40	1:00 PM	42	GS	52	850	7.5	153	BRK	148	BRK	181	BRK	P	RB	SS
								175	BRK	190	BRK					
10/18/2022	TF-41	1:00 PM	12	SP	52	850	7.0	165	BRK	146	BRK	165	BRK	P	RB	SS
								153	BRK	166	BRK					
10/18/2022	TF-42	12:55 PM	11	AG	52	850	9.0	165	BRK	164	BRK	184	BRK	P	RB	SS
								176	BRK	174	BRK					
10/18/2022	TF-43	12:55 PM	42	GS	52	850	7.5	175	BRK	168	BRK	172	BRK	P	RB	TT
								174	BRK	165	BRK					
10/18/2022	TF-44	1:00 PM	11	AG	52	850	8.0	168	BRK	140	BRK	166	BRK	P	RB	ST
								169	BRK	153	BRK					
10/18/2022	TF-45	12:58 PM	12	SP	52	850	6.5	169	BRK	170	BRK	195	BRK	P	RB	TT
								190	BRK	170	BRK					
10/18/2022	TF-46	2:00 PM	42	GS	52	850	7.5	151	BRK	153	BRK	165	BRK	P	RB	ST
								161	BRK	156	BRK					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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. = 100 ppi)		Outside Peel (Min. = 100 ppi)		Shear (Minimum = 120 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/19/2022	TF-47	7:20 AM	42	GS	38	850	8.0	177	BRK	174	BRK	197	BRK	P	RB	TT
								180	BRK	194	BRK					
10/19/2022	TF-48	8:10 AM	42	GS	40	850	8.0	146	BRK	157	BRK	175	BRK	P	RB	ST
								140	BRK	157	BRK					
10/19/2022	TF-49	8:44 AM	42	GS	45	850	8.0	126	BRK	129	BRK	152	BRK	P	RB	SS
								140	BRK	138	BRK					
10/19/2022	TF-50	9:44 AM	11	AG	45	850	9.0	141	BRK	135	BRK	157	BRK	P	RB	SS
								146	BRK	149	BRK					
10/19/2022	TF-51	9:51 AM	11	AG	45	850	8.0	133	BRK	148	BRK	164	BRK	P	RB	ST
								157	BRK	146	BRK					
10/19/2022	TF-52	9:38 AM	12	SP	45	850	7.0	132	BRK	138	BRK	163	BRK	P	RB	SS
								143	BRK	150	BRK					
10/19/2022	TF-53	9:44 AM	12	SP	45	850	6.0	143	BRK	142	BRK	149	BRK	P	RB	TT
								151	BRK	153	BRK					
10/19/2022	TF-54	1:30 PM	42	GS	58	850	8.0	142	BRK	149	BRK	157	BRK	P	RB	SS
								152	BRK	162	BRK					
10/19/2022	TF-55	1:35 PM	11	AG	58	850	9.0	155	BRK	146	BRK	172	BRK	P	RB	ST
								160	BRK	159	BRK					
10/19/2022	TF-56	1:33 PM	11	SP	58	850	9.0	152	BRK	143	BRK	175	BRK	P	RB	SS
								156	BRK	158	BRK					
10/19/2022	TF-57	1:33 PM	12	SP	58	850	7.0	147	BRK	142	BRK	170	BRK	P	RB	SS
								157	BRK	155	BRK					
10/19/2022	TF-58	1:31 PM	12	SP	58	850	7.0	163	BRK	150	BRK	174	BRK	P	RB	ST
								167	BRK	158	BRK					
10/20/2022	TF-59	8:31 AM	42	GS	36	850	8.0	153	BRK	167	BRK	186	BRK	P	DK	SS
								153	BRK	154	BRK					
10/20/2022	TF-60	8:31 AM	12	SP	36	850	7.0	146	BRK	164	BRK	193	BRK	P	DK	SS
								179	BRK	167	BRK					
10/20/2022	TF-61	8:31 AM	11	AG	36	850	8.0	165	BRK	171	BRK	197	BRK	P	DK	SS
								175	BRK	179	BRK					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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. = 100 ppi)		Outside Peel (Min. = 100 ppi)		Shear (Minimum = 120 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/20/2022	TF-62	8:30 AM	12	GS	36	850	8.0	168	BRK	167	BRK	197	BRK	P	DK	TT
								172	BRK	182	BRK					
10/20/2022	TF-63	8:30 AM	12	SP	36	850	6.5	170	BRK	167	BRK	200	BRK	P	DK	ST
								182	BRK	186	BRK					
10/20/2022	TF-64	8:31 AM	11	AG	36	850	8.0	184	BRK	164	BRK	197	BRK	P	DK	SS
								184	BRK	169	BRK					
10/20/2022	TF-65	12:40 PM	11	AG	53	850	9.0	157	BRK	161	BRK	180	BRK	P	DK	ST
								161	BRK	163	BRK					
10/20/2022	TF-66	12:48 PM	42	GS	53	850	8.5	160	BRK	157	BRK	179	BRK	P	DK	SS
								158	BRK	161	BRK					
10/20/2022	TF-67	12:43 PM	12	SP	53	850	7.0	134	BRK	147	BRK	164	BRK	P	DK	SS
								139	BRK	128	BRK					
10/21/2022	TF-68	1:06 PM	11	AG	52	850	8.0	157	BRK	159	BRK	190	BRK	P	DK	SS
								172	BRK	160	BRK					
10/21/2022	TF-69	1:03 PM	11	AG	52	850	8.0	158	BRK	165	BRK	189	BRK	P	DK	ST
								163	BRK	162	BRK					
10/22/2022	TF-70	7:09 AM	11	AG	40	850	8.0	148	BRK	144	BRK	203	BRK	P	DK	SS
								169	BRK	151	BRK					
10/22/2022	TF-71	7:10 AM	11	AG	40	850	8.0	166	BRK	183	BRK	208	BRK	P	DK	ST
								175	BRK	165	BRK					
10/22/2022	TF-72	7:10 AM	42	GS	40	850	8.0	142	BRK	156	BRK	201	BRK	P	DK	SS
								155	BRK	144	BRK					



APPENDIX K.2.2 – 80-MIL GEOMEMBRANE EXTRUSION TRIAL SEAM SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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. = 88 ppi)		Shear (Min. = 120 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/7/2022	TX-1	8:45 AM	1	JLO	34	550	550	121	SE1	145	BRK	P	RB	
								123	SE1					
10/7/2022	TX-2	9:55 AM	83	WL	38	500	550	148	SE1	145	BRK	P	RB	
								165	SE1					
10/7/2022	TX-2	12:45 PM	1	WL	42	500	550	149	SE1	161	BRK	P	RB	
								157	SE1					
10/8/2022	TX-3	7:12 AM	1	JLO	35	550	550	157	SE1	182	BRK	P	DK	
								178	SE1					
10/8/2022	TX-3	7:14 AM	1	JLO	35	550	550	143	SE1	198	BRK	P	DK	
								141	SE1					
10/8/2022	TX-4	7:15 AM	4	SR	35	550	550	135	SE1	217	BRK	P	DK	
								161	SE1					
10/8/2022	TX-4	7:25 AM	83	WL	35	550	550	149	SE1	197	BRK	P	DK	
								142	SE1					
10/8/2022	TX-5	12:43 PM	1	JL	45	500	550	132	SE1	152	BRK	P	DK	
								162	SE1					
10/8/2022	TX-5	12:47 PM	83	WL	45	550	550	144	SE1	170	BRK	P	DK	
								164	SE1					
10/8/2022	TX-6	12:30 PM	4	SR	45	500	500	160	SE1	169	BRK	P	DK	
								161	SE1					
10/10/2022	TX-6	2:00 PM	1	JL	50	550	550	138	SE1	150	BRK	P	DK	
								139	SE1					
10/10/2022	TX-7	2:05 PM	83	WL	50	550	550	147	SE1	148	BRK	P	DK	
								119	SE1					
10/10/2022	TX-7	2:25 PM	4	SR	50	550	550	149	SE1	153	BRK	P	DK	
								129	SE1					
10/17/2022	TX-8	8:47 AM	1	JL	34	550	550	177	SE1	203	BRK	P	DK	
								164	SE1					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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. = 88 ppi)		Shear (Min. = 120 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/17/2022	TX-8	9:00 AM	4	SR	35	550	550	175	SE1	197	BRK	P	DK	
								180	SE1					
10/17/2022	TX-9	9:00 AM	83	WL	35	550	550	187	SE1	217	BRK	P	DK	
								191	SE1					
10/18/2022	TX-9	7:18 AM	1	JLO	35	500	550	170	SE1	218	BRK	P	RB	
								181	SE1					
10/18/2022	TX-10	7:30 AM	83	WL	35	500	550	160	SE1	207	BRK	P	RB	
								165	SE1					
10/18/2022	TX-10	9:50 AM	4	SR	39	550	550	164	SE1	172	BRK	P	RB	
								190	SE1					
10/19/2022	TX-11	9:15 AM	4	SR	45	550	550	178	SE1	198	BRK	P	RB	
								185	SE1					
10/20/2022	TX-11	1:35 PM	83	WL	57	550	550	157	SE1	178	BRK	P	DK	
								163	SE1					
10/20/2022	TX-12	1:27 PM	1	JL	57	500	550	160	SE1	166	BRK	P	DK	
								151	SE1					
10/20/2022	TX-12	2:45 PM	4	SR	55	550	550	195	SE1	210	BRK	P	DK	
								194	SE1					
10/21/2022	TX-13	7:15 AM	4	SR	33	500	550	156	SE1	198	BRK	P	DK	
								177	SE1					
10/21/2022	TX-13	7:51 AM	1	JLO	35	500	550	180	SE1	209	BRK	P	DK	
								174	SE1					
10/21/2022	TX-14	7:57 AM	83	WL	35	500	550	130	SE1	186	BRK	P	DK	
								134	SE1					
10/21/2022	TX-14	12:42 PM	83	WL	50	500	550	168	SE1	187	BRK	P	DK	
								173	SE1					
10/21/2022	TX-15	12:30 PM	4	SR	50	500	550	155	SE1	166	BRK	P	DK	
								160	SE1					

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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. = 88 ppi)		Shear (Min. = 120 ppi)		Pass/Fail		
								Strength (ppi)	Mode ¹	Strength (ppi)	Mode ¹			
10/21/2022	TX-15	12:48 PM	1	JLO	50	500	550	152	SE1	190	BRK	P	DK	
								167	SE1					
10/22/2022	TX-16	8:00 AM	4	SR	42	550	550	115	SE1	177	BRK	P	BM	TT
								134	SE1					
10/22/2022	TX-16	8:30 AM	83	WL	44	550	550	149	SE1	169	BRK	P	BM	TT
								162	SE1					
10/24/2022	TX-17	7:00 AM	1	JL	35	550	550	175	SE1	205	BRK	p	DK	
								171	SE1					



APPENDIX K.3 – 80-MIL GEOMEMBRANE FUSION WELDING SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)				
10/5/22	P-3971/3972	E / W	10:01 AM	40	FC	11	10	850	850	22	DK	DF-1392	10' E OF WEOS
10/5/22	P-3973/3974	E / W	10:10 AM	40	FC	11	8	850	850	23	DK		
10/5/22	P-3971/3973	E / W	10:20 AM	40	FC	11	8.5	850	850	24	DK		
10/5/22	P-3972/3973	E / W	10:23 AM	40	FC	11	8.5	850	850	22	DK		
10/5/22	P-3972/3974	S / N	10:27 AM	40	FC	11	8.5	850	850	336	DK		
10/5/22	P-3977/3978	E / W	12:27 PM	40	FC	11	10	850	850	23	DK		
10/5/22	P-3979/3980	E / W	12:42 PM	40	FC	11	10	850	850	22	DK		
10/5/22	P-3977/3979	E / W	12:52 PM	40	FC	11	8.5	850	850	72	DK	DF-1394	10' N OF SEOS
10/5/22	P-3978/3979	E / W	1:03 PM	40	FC	11	8.5	850	850	12	DK		
10/5/22	P-3978/3980	S / N	1:04 PM	40	FC	11	8.5	850	850	309	DK		
10/5/22	P-3969/3970	S / N	9:43 AM	40	SP	12	7.5	850	850	364	DK	DF-1390	10' N OF SEOS
10/5/22	P-3975/3976	E / W	12:23 PM	40	SP	12	5.5	850	850	23	DK		
10/5/22	P-3975/3977	E / W	12:37 PM	40	SP	12	7.5	850	850	62	DK		
10/5/22	P-3976/3977	E / W	12:50 PM	40	SP	12	7.5	850	850	10	DK		
10/5/22	P-3976/3978	S / N	12:52 PM	40	SP	12	7.5	850	850	310	DK	DF-1395	20' N OF SEOS
10/5/22	P-3970/3971	E / W	9:50 AM	42	JR	42	7.5	850	850	21	BM	DF-1391	10' N OF SEOS
10/5/22	P-3970/3972	S / N	9:52 AM	42	JR	42	7.5	850	850	352	BM		
10/5/22	P-3973/3975	E / W	10:56 AM	44	JR	42	7.5	850	850	44	BM		
10/5/22	P-3974/3975	E / W	11:29 AM	46	JR	42	7.5	850	850	16	BM		
10/5/22	P-3974/3976	S / N	12:11 PM	46	JR	42	7.5	850	850	320	BM	DF-1393	20' N OF SEOS
10/6/22	P-3981/3983	S / N	8:41 AM	40	SP	12	7	850	850	88	GF		
10/6/22	P-3981/3984	S / N	8:57 AM	40	SP	12	7	850	850	14	GF		
10/6/22	P-3982/3984	S / N	9:09 AM	45	SP	12	7	850	850	305	GF	DF-1396	58' N OF SEOS
10/6/22	P-3991/3992	E / W	10:00 AM	47	SP	12	7	850	850	100	GF		
10/6/22	P-3992/3993	E / W	10:22 AM	47	SP	12	7	850	850	58	GF		
10/6/22	P-3992/3994	E / W	10:29 AM	47	SP	12	7	850	850	33	GF		
10/6/22	P-3995/3996	S / N	10:45 AM	47	SP	12	7	850	850	76	GF	DF-1400	46' N OF SEOS
10/6/22	P-3993/3995	S / N	10:54 AM	47	SP	12	7	850	850	22	GF		
10/6/22	P-3992/3995	S / N	10:59 AM	47	SP	12	7	850	850	23	GF		
10/6/22	P-3991/3995	E / W	11:03 AM	48	SP	12	7	850	850	17	GF		
10/6/22	P-3996/3997	S / N	11:07 AM	48	SP	12	7	850	850	76	GF		
10/6/22	P-3997/3998	S / N	11:19 AM	48	SP	12	7	850	850	77	GF		
10/6/22	P-3994/3999	E / W	11:44 AM	48	SP	12	7	850	850	22	GF		
10/6/22	P-3991/4000	S / N	11:47 AM	48	SP	12	7	850	850	24	GF		
10/6/22	P-3989/4000	E / W	11:50 AM	48	SP	12	7	850	850	6	GF		
10/6/22	P-4002/4003	E / W	1:05 PM	48	SP	12	7	850	850	23	GF		
10/6/22	P-4003/4004	S / N	1:12 PM	48	SP	12	7	850	850	82	GF		
10/6/22	P-4002/4004	S / N	1:22 PM	48	SP	12	7	850	850	28	GF		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)				
10/6/22	P-4005/4006	S / N	1:31 PM	48	SP	12	7	850	850	79	GF	DF-1403	20' N OF SEOS
10/6/22	P-4005/4007	S / N	1:48 PM	48	SP	12	7	850	850	13	GF		
10/6/22	P-4009/4010	S / N	1:54 PM	48	SP	12	7	850	850	117	GF		
10/6/22	P-4012/4013	S / N	2:17 PM	48	SP	12	7	850	850	84	GF		
10/6/22	P-4018/4019	S / N	2:39 PM	48	SP	12	7	850	850	26	GF		
10/6/22	P-4017/4018	S / N	2:45 PM	48	SP	12	7	850	850	34	GF		
10/6/22	P-4016/4017	S / N	2:52 PM	48	SP	12	7	850	850	48	GF		
10/6/22	P-3987/3988	E / W	9:21 AM	41	JR	42	7	850	850	134	BM		
10/6/22	P-3990/3991	E / W	9:49 AM	41	JR	42	7	850	850	95	BM	DF-1398	45' W OF EEOS
10/6/22	P-3989/3991	E / W	10:01 AM	47	JR	42	7	850	850	32	BM		
10/6/22	P-3983/3995	S / N	10:30 AM	47	JR	42	7	850	850	92	BM		
10/6/22	P-3984/3995	S / N	10:56 AM	47	JR	42	7	850	850	30	BM		
10/6/22	P-3984/3991	S / N	10:59 AM	47	JR	42	7	850	850	23	BM		
10/6/22	P-3984/3990	S / N	11:03 AM	48	JR	42	7	850	850	22	BM		
10/6/22	P-3984/3988	S / N	11:05 AM	48	JR	42	7	850	850	23	BM		
10/6/22	P-3984/3987	S / N	11:08 AM	48	JR	42	7	850	850	22	BM		
10/6/22	P-3984/3986	S / N	11:10 AM	48	JR	42	7	850	850	23	BM		
10/6/22	P-3998/3999	S / N	11:25 AM	48	JR	42	7	850	850	77	BM	DF-1401	77' N OF SEOS
10/6/22	P-3993/3996	E / W	11:41 AM	48	JR	42	7	850	850	22	BM		
10/6/22	P-3993/3997	E / W	11:45 AM	48	JR	42	7	850	850	23	BM		
10/6/22	P-3993/3998	E / W	11:48 AM	48	JR	42	7	850	850	10	BM		
10/6/22	P-3994/3998	E / W	11:49 AM	48	JR	42	7	850	850	13	BM		
10/6/22	P-4001/4003	N / S	1:00 PM	48	JR	42	7	850	850	62	BM		
10/6/22	P-4001/4002	N / S	1:17 PM	48	JR	42	7	850	850	38	BM		
10/6/22	P-4006/4007	E / W	1:38 PM	48	JR	42	7	850	850	23	BM		
10/6/22	P-4007/4008	N / S	1:42 PM	48	JR	42	7	850	850	20	BM		
10/6/22	P-4006/4008	N / S	1:43 PM	48	JR	42	7	850	850	76	BM		
10/6/22	P-4010/4011	N / S	2:27 PM	48	JR	42	7	850	850	104	BM		
10/6/22	P-4014/4015	N / S	2:45 PM	48	JR	42	7	850	850	71	BM	DF-1404	55' S OF NEOS
10/6/22	P-3981/3982	E / W	7:20 AM	34	FC	11	7.5	850	850	23	BM		
10/6/22	P-3983/3984	E / W	7:28 AM	34	FC	11	7.5	850	850	22	BM		
10/6/22	P-3985/3986	S / N	8:50 AM	39	FC	11	7.5	850	850	23	BM	DF-1397	21' N OF SEOS
10/6/22	P-3986/3987	E / W	9:03 AM	41	FC	11	7.5	850	850	59	BM		
10/6/22	P-3985/3987	E / W	9:12 AM	41	FC	11	7.5	850	850	83	BM		
10/6/22	P-3989/3990	S / N	9:28 AM	41	FC	11	7.5	850	850	22	BM		
10/6/22	P-3988/3990	E / W	9:41 AM	41	FC	11	7.5	850	850	97	BM		
10/6/22	P-3988/3989	E / W	9:52 AM	41	FC	11	7.5	850	850	34	BM		
10/6/22	P-3993/3994	S / N	1:13 PM	47	FC	11	7.5	850	850	33	BM		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)				
10/6/22	P-3979/3981	S / N	10:34 AM	47	FC	11	7.5	850	850	92	BM		
10/6/22	P-3980/3981	S / N	10:44 AM	47	FC	11	7.5	850	850	9	BM		
10/6/22	P-3980/3982	S / N	10:45 AM	47	FC	11	7.5	850	850	300	BM	DF-1399	50' N OF SEOS
10/6/22	P-3999/4000	S / N	11:36 AM	48	FC	11	7.5	850	850	71	BM		
10/6/22	P-3994/4000	S / N	11:45 AM	48	FC	11	7.5	850	850	22	BM		
10/6/22	P-3992/4000	S / N	11:48 AM	48	FC	11	7.5	850	850	23	BM		
10/6/22	P-4000/4001	S / N	12:55 PM	48	FC	11	7.5	850	850	125	BM	DF-1402	125' N OF SEOS
10/6/22	P-4004/4005	S / N	1:26 PM	51	FC	11	7.5	850	850	96	BM		
10/6/22	P-4008/4009	S / N	1:48 PM	51	FC	11	7.5	850	850	100	BM		
10/6/22	P-4011/4012	S / N	2:08 PM	51	FC	11	7.5	850	850	91	BM		
10/6/22	P-4013/4014	S / N	2:33 PM	51	FC	11	7.5	850	850	78	BM		
10/6/22	P-4015/4016	S / N	2:46 PM	51	FC	11	7.5	850	850	64	BM		
10/7/22	P-4020/4021	S / N	7:23 AM	36	SP	12	5.5	850	850	23	BM		
10/7/22	P-4023/4024	S / N	8:11 AM	41	SP	12	5.5	850	850	22	BM		
10/7/22	P-3986/4021	E / W	8:20 AM	41	SP	12	5.5	850	850	54	BM		
10/7/22	P-3985/4020	E / W	8:41 AM	41	SP	12	5.5	850	850	87	BM	DF-1405	2' W of EEOS
10/7/22	P-4021/4022	E / W	8:17 AM	41	JR	42	7	850	850	63	BM		
10/7/22	P-4020/4022	E / W	8:30 AM	41	JR	42	7	850	850	94	BM		
10/7/22	P-4022/4024	E / W	8:44 AM	41	JR	42	7	850	850	13	BM		
10/7/22	P-4022/4023	S / N	8:54 AM	41	JR	42	7	850	850	152	BM		
10/7/22	P-3984/4021	S / N	9:20 AM	43	JR	42	7	850	850	22	BM		
10/7/22	P-3984/4022	S / N	9:29 AM	43	JR	42	7	850	850	23	BM		
10/7/22	P-3984/4024	S / N	9:37 AM	43	JR	42	7	850	850	22	BM		
10/10/22	P-4028/4029	S / N	9:53 AM	40	AG	11	9	850	850	140	DK	DF-1407	5' N OF SEOS
10/10/22	P-4032/4033	E / W	10:21 AM	40	AG	11	8	850	850	22	DK		
10/10/22	P-4032/4034	S / N	10:35 AM	40	AG	11	9	850	850	43	DK		
10/10/22	P-4033/4034	S / N	10:39 AM	40	AG	11	9	850	850	156	DK		
10/10/22	P-4037/4043	S / N	12:57 PM	40	AG	11	8	850	850	23	DK		
10/10/22	P-4037/4038	S / N	1:04 PM	40	AG	11	9	850	850	207	DK	DF-1410	114' N OF SEOS
10/10/22	P-4025/4026	S / N	9:25 AM	48	GS	42	9	850	850	27	RB	DF-1406	3' N OF SEOS
10/10/22	P-4027/4028	S / N	9:46 AM	48	GS	42	9	850	850	129	RB		
10/10/22	P-4030/4031	S / N	10:16 AM	50	GS	42	9	850	850	22	RB		
10/10/22	P-4031/4032	S / N	10:24 AM	50	GS	42	9	850	850	19	RB		
10/10/22	P-4030/4032	S / N	10:29 AM	50	GS	42	9	850	850	15	RB		
10/10/22	P-4030/4033	S / N	10:32 AM	50	GS	42	9	850	850	154	RB		
10/10/22	P-4035/4037	S / N	11:17 AM	51	GS	42	9	850	850	20	RB	DF-1409	19' N OF SEOS
10/10/22	P-4036/4037	S / N	11:21 AM	51	GS	42	9	850	850	185	RB		
10/10/22	P-4039/4040	S / N	3:01 PM	54	GS	42	10	850	850	54	RB		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)				
10/10/22	P-4039/4041	S	/ N	3:10 PM	54	GS	42	10	850	850	7	RB		
10/10/22	P-4040/4041	S	/ N	3:12 PM	54	GS	42	10	850	850	175	RB		
10/10/22	P-4026/4027	S	/ N	9:34 AM	48	SP	12	7	850	850	73	DK		
10/10/22	P-4029/4030	S	/ N	10:00 AM	50	SP	12	7	850	850	165	DK		
10/10/22	P-4035/4036	E	/ W	10:44 AM	50	SP	12	7	850	850	23	DK		
10/10/22	P-4034/4035	S	/ N	10:51 AM	50	SP	12	7	850	850	24	DK		
10/10/22	P-4034/4036	S	/ N	10:55 AM	50	SP	12	7	850	850	186	DK	DF-1408	100' N OF SEOS
10/10/22	P-4038/4040	S	/ N	1:02 PM	50	SP	12	7	850	850	32	DK		
10/10/22	P-4038/4039	S	/ N	1:09 PM	51	SP	12	7	850	850	174	DK		
10/10/22	P-4041/4042	S	/ N	1:39 PM	51	SP	12	7	850	850	154	DK	DF-1437	10' W OF EEOS
10/10/22	P-4042/4044	E	/ W	1:39 PM	60	SP	12	7	850	850	156	DK		
10/17/22	P-4044/4045	E	/ W	10:00 AM	38	SP	12	7	850	850	118	TW	DF-1411	34' W OF EEOS
10/17/22	P-4047/4049	W	/ E	10:31 AM	38	SP	12	7	850	850	34	TW		
10/17/22	P-4047/4048	W	/ E	10:40 AM	38	SP	12	7	850	850	37	TW		
10/17/22	P-4049/4050	W	/ E	10:53 AM	38	SP	12	7	850	850	58	TW		
10/17/22	P-4052/4053	W	/ E	11:18 AM	42	SP	12	7	850	850	24	TW		
10/17/22	P-4053/4054	W	/ E	11:18 AM	58	SP	12	7	850	850	25	TW		
10/17/22	P-4052/4054	W	/ E	11:24 AM	42	SP	12	7	850	850	38	TW		
10/17/22	P-4058/4059	E	/ W	11:34 AM	42	SP	12	7	850	850	57	TW		
10/17/22	P-4061/4062	W	/ E	12:48 PM	45	SP	12	7	850	850	71	TW	DF-1438	15' E OF WEOS
10/17/22	P-4065/4066	W	/ E	1:10 PM	45	SP	12	7	850	850	124	TW	DF-1414	77' W OF EEOS
10/17/22	P-4069/4070	W	/ E	1:40 PM	48	SP	12	7	850	850	160	TW		
10/17/22	P-4072/4073	N	/ S	2:04 PM	50	SP	12	7	850	850	88	TW		
10/17/22	P-4067/4072	W	/ E	2:30 PM	50	SP	12	6.5	850	850	22.5	TW		
10/17/22	P-4067/4073	W	/ E	2:34 PM	50	SP	12	6.5	850	850	22.5	TW		
10/17/22	P-4067/4074	W	/ E	2:38 PM	50	SP	12	6.5	850	850	22.5	TW		
10/17/22	P-4067/4075	S	/ N	2:42 PM	50	SP	12	6.5	850	850	22.5	TW		
10/17/22	P-4066/4075	W	/ E	2:47 PM	50	SP	12	6.5	850	850	16	TW		
10/17/22	P-4066/4076	W	/ E	2:49 PM	50	SP	12	6.5	850	850	22.5	TW		
10/17/22	P-4045/4046	W	/ E	10:19 AM	38	AG	11	7	850	850	91	DK		
10/17/22	P-4050/4051	W	/ E	10:40 AM	39	AG	11	7	850	850	64	DK		
10/17/22	P-4051/4052	W	/ E	10:57 AM	40	AG	11	7	850	850	109	DK		
10/17/22	P-4054/4055	W	/ E	11:13 AM	41	AG	11	7	850	850	63	DK		
10/17/22	P-4055/4056	W	/ E	11:27 AM	42	AG	11	7	850	850	61	DK		
10/17/22	P-4059/4060	W	/ E	11:44 AM	44	AG	11	7	850	850	57	DK	DF-1413	3' S OF NEOS
10/17/22	P-4062/4063	E	/ W	12:54 PM	44	AG	11	9	850	850	69	DK		
10/17/22	P-4063/4064	W	/ E	1:10 PM	45	AG	11	9	850	850	83	DK		
10/17/22	P-4067/4068	W	/ E	1:31 PM	45	AG	11	9	850	850	32	DK		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)				
10/17/22	P-4068/4069	W / E	1:39 PM	49	AG	11	9	850	850	31	DK		
10/17/22	P-4070/4071	W / E	1:47 PM	50	AG	11	9	850	850	27	DK		
10/17/22	P-4068/4072	N / S	2:03 PM	48	AG	11	9	850	850	22	DK		
10/17/22	P-4069/4072	N / S	2:05 PM	48	AG	11	9	850	850	23	DK		
10/17/22	P-4070/4072	N / S	2:08 PM	48	AG	11	9	850	850	22	DK		
10/17/22	P-4071/4072	N / S	2:11 PM	48	AG	11	9	850	850	23	DK		
10/17/22	P-4075/4076	N / S	2:18 PM	48	AG	11	9	850	850	111	DK	DF-1416	84' S OF NEOS
10/17/22	P-4077/4078	W / E	2:40 PM	48	AG	11	9	850	850	22	DK		
10/17/22	P-4046/4047	W / E	10:20 AM	38	GS	42	8.5	850	850	76	DK	DF-1412	50' E OF WEOS
10/17/22	P-4048/4049	S / N	10:37 AM	39	GS	42	8.5	850	850	35	DK		
10/17/22	P-4042/4044	E / W	10:53 AM	40	GS	42	8.5	850	850	138	DK		
10/17/22	P-4057/4058	N / S	11:26 AM	42	GS	42	8.5	850	850	24	DK		
10/17/22	P-4056/4057	W / E	11:35 AM	42	GS	42	8.5	850	850	23	DK		
10/17/22	P-4056/4058	W / E	11:39 AM	42	GS	42	8.5	850	850	37	DK		
10/17/22	P-4060/4061	W / E	11:46 AM	45	GS	42	8.5	850	850	58	DK		
10/17/22	P-4064/4065	W / E	12:58 PM	44	GS	42	8.5	850	850	98	DK		
10/17/22	P-4066/4067	W / E	1:20 PM	45	GS	42	8.5	850	850	110	DK	DF-1415	41' E OF WEOS
10/17/22	P-4073/4074	N / S	2:08 PM	45	GS	42	8.5	850	850	88	DK		
10/17/22	P-4074/4075	N / S	2:26 PM	45	GS	42	8.5	850	850	88	DK		
10/17/22	P-4076/4077	N / S	2:45 PM	45	GS	42	8.5	850	850	76	DK		
10/17/22	P-4076/4078	N / S	3:00 PM	45	GS	42	8.5	850	850	35	DK		
10/18/22	P-4080/4081	E / W	1:15 PM	49	SP	12	7	850	850	180	DK	DF-1417	10' W OF EEOS
10/18/22	P-4082/4083	E / W	1:46 PM	52	SP	12	7	850	850	152	DK		
10/18/22	P-4085/4086	N / S	2:10 PM	55	SP	12	6.5	850	850	10	DK		
10/18/22	P-4084/4086	E / W	2:14 PM	55	SP	12	7	850	850	52	DK		
10/18/22	P-4084/4085	E / W	2:22 PM	55	SP	12	7	850	850	33	DK		
10/18/22	P-4087/4088	S / N	2:48 PM	54	SP	12	7	850	850	130	DK	DF-1419	63' N OF SEOS
10/18/22	P-4090/4092	S / N	3:15 PM	53	SP	12	7	850	850	4	DK		
10/18/22	P-4089/4090	S / N	3:17 PM	53	SP	12	7	850	850	115	DK		
10/18/22	P-4079/4080	E / W	1:05 PM	52	GS	42	7.5	850	850	175	RB	DF-1425	100' W OF EEOS
10/18/22	P-4024/4079	E / W	1:40 PM	52	GS	42	7.5	850	850	13	RB		
10/18/22	P-4023/4079	E / W	1:42 PM	52	GS	42	7.5	850	850	153	RB	DF-1418	89' W OF EOS
10/18/22	P-3984/4079	S / N	2:12 PM	52	GS	42	7.5	850	850	21	RB		
10/18/22	P-3984/4080	S / N	2:15 PM	52	GS	42	7.5	850	850	23	RB		
10/18/22	P-3984/4081	S / N	2:18 PM	52	GS	42	7.5	850	850	23	RB		
10/18/22	P-3984/4082	S / N	2:22 PM	52	GS	42	7.5	850	850	23	RB		
10/18/22	P-4083/4087	S / N	2:38 PM	52	GS	42	7.5	850	850	22	RB		
10/18/22	P-4084/4087	S / N	2:43 PM	52	GS	42	7.5	850	850	10	RB		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)				
10/18/22	P-4078/4087	S / N	2:50 PM	52	GS	42	7.5	850	850	35	RB		
10/18/22	P-4077/4087	S / N	2:56 PM	52	GS	42	7.5	850	850	70	RB		
10/18/22	P-4090/4091	S / N	3:15 PM	52	GS	42	7.5	850	850	116	RB		
10/18/22	P-4081/4082	E / W	1:24 PM	52	AG	11	9	850	850	187	RB		
10/18/22	P-4083/4084	E / W	1:53 PM	52	AG	11	9	850	850	151	RB		
10/18/22	P-4071/4085	W / E	2:24 PM	52	AG	11	8	850	850	23	RB		
10/18/22	P-4072/4085	W / E	2:29 PM	52	AG	11	8	850	850	8	RB		
10/18/22	P-4072/4086	W / E	2:31 PM	52	AG	11	8	850	850	14	RB		
10/18/22	P-4073/4086	W / E	2:32 PM	52	AG	11	8	850	850	22	RB		
10/18/22	P-4074/4086	W / E	2:35 PM	52	AG	11	8	850	850	13	RB		
10/18/22	P-4075/4084	W / E	2:43 PM	52	AG	11	8	850	850	20	RB		
10/18/22	P-4076/4084	W / E	2:45 PM	52	AG	11	8	850	850	21	RB	DF-1420	10' E OF WEOS
10/18/22	P-4078/4084	W / E	2:48 PM	52	AG	11	8	850	850	22	RB		
10/18/22	P-4089/4092	E / W	2:57 PM	52	AG	11	8	850	850	22	RB		
10/18/22	P-4088/4092	S / N	3:05 PM	52	AG	11	9	850	850	4	RB		
10/18/22	P-4088/4089	S / N	3:06 PM	52	AG	11	9	850	850	116	RB		
10/18/22	P-4091/4093	S / N	3:26 PM	52	AG	11	9	850	850	114	RB		
10/19/22	P-4082/4087	W / E	8:17 AM	40	GS	42	8	850	850	21	RB		
10/19/22	P-4082/4088	W / E	8:30 AM	43	GS	42	8	850	850	22	RB		
10/19/22	P-3984/4092	W / E	8:36 AM	43	GS	42	8	850	850	20	RB		
10/19/22	P-3982/4090	W / E	8:39 AM	43	GS	42	8	850	850	21	RB		
10/19/22	P-3980/4091	W / E	8:42 AM	43	GS	42	8	850	850	21	RB	DF-1421	4' W OF EEOS
10/19/22	P-3978/4093	W / E	8:45 AM	43	GS	42	8	850	850	21	RB		
10/19/22	P-4094/4095	S / N	10:00 AM	48	GS	42	8	850	850	115	RB		
10/19/22	P-4097/4098	S / N	10:26 AM	50	GS	42	8	850	850	111	RB		
10/19/22	P-4098/4099	S / N	11:16 AM	54	GS	42	8	850	850	124	RB		
10/19/22	P-4105/4106	E / W	12:32 PM	57	GS	42	8	850	850	80	RB		
10/19/22	P-4099/4100	S / N	1:07 PM	57	GS	42	8	850	850	126	RB	DF-1424	12' N OF SEOS
10/19/22	P-4109/4110	W / E	1:50 PM	58	GS	42	8	850	850	79	RB		
10/19/22	P-4107/4110	W / E	2:01 PM	58	GS	42	8	850	850	8	RB		
10/19/22	P-4110/4111	E / W	2:08 PM	58	GS	42	8	850	850	87	RB		
10/19/22	P-4112/4113	S / N	2:27 PM	58	GS	42	8	850	850	39	RB		
10/19/22	P-4093/4094	S / N	10:00 AM	48	SP	12	7	850	850	112	RB		
10/19/22	P-3976/4094	W / E	10:31 AM	50	SP	12	6	850	850	21	RB		
10/19/22	P-3974/4095	W / E	10:35 AM	50	SP	12	6	850	850	21	RB		
10/19/22	P-3972/4096	W / E	10:39 AM	50	SP	12	6	850	850	22	RB		
10/19/22	P-3970/4097	W / E	10:45 AM	52	SP	12	6	850	850	22	RB		
10/19/22	P-3969/4098	W / E	10:50 AM	52	SP	12	6	850	850	17	RB		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)				
10/19/22	P-4102/4105	W / E	12:41 PM	57	SP	12	7	850	850	24	RB		
10/19/22	P-4104/4105	W / E	12:51 PM	57	SP	12	7	850	850	49	RB		
10/19/22	P-4102/4103	N / S	1:00 PM	57	SP	12	7	850	850	21	RB		
10/19/22	P-4102/4104	N / S	1:05 PM	57	SP	12	7	850	850	30	RB	DF-1423	1' S OF NEOS
10/19/22	P-4100/4102	N / S	1:15 PM	58	SP	12	7	850	850	14	RB		
10/19/22	P-4100/4105	N / S	1:18 PM	58	SP	12	7	850	850	23	RB		
10/19/22	P-4100/4106	N / S	1:21 PM	58	SP	12	7	850	850	18	RB		
10/19/22	P-4106/4107	W / E	1:44 PM	58	SP	12	7	850	850	80	RB		
10/19/22	P-4107/4108	W / E	1:59 PM	58	SP	12	7	850	850	42	RB		
10/19/22	P-4107/4109	W / E	2:03 PM	58	SP	12	7	850	850	42	RB		
10/19/22	P-4111/4114	E / W	2:20 PM	58	SP	12	7	850	850	6	RB		
10/19/22	P-4111/4113	E / W	2:28 PM	58	SP	12	7	850	850	46	RB		
10/19/22	P-4111/4112	E / W	2:38 PM	58	SP	12	7	850	850	36	RB		
10/19/22	P-4095/4096	S / N	10:04 AM	48	AG	11	9	850	850	112	RB		
10/19/22	P-4096/4097	S / N	10:27 AM	50	AG	11	9	850	850	111	RB	DF-1422	86' N OF SEOS
10/19/22	P-4101/4102	S / N	12:44 PM	57	AG	11	9	850	850	66	RB		
10/19/22	P-4103/4104	E / W	12:58 PM	57	AG	11	9	850	850	23	RB		
10/19/22	P-4100/4101	N / N	1:14 PM	57	AG	11	9	850	850	62	RB		
10/19/22	P-4108/4109	W / W	1:05 PM	58	AG	11	9	850	850	42	RB		
10/19/22	P-4113/4114	S / N	2:14 PM	58	AG	11	9	850	850	87	RB		
10/19/22	P-4114/4115	N / S	2:28 PM	58	AG	11	9	850	850	90	RB		
10/19/22	P-4115/4116	S / N	2:44 PM	58	AG	11	9	850	850	95	RB	DF-1434	84' N OF SEOS
10/20/22	P-3969/4117	S / N	9:13 AM	47	AG	11	9	850	850	198	RB	DF-1426	90' N OF SEOS
10/20/22	P-4117/4118	W / E	9:42 AM	47	AG	11	9	850	850	22	RB		
10/20/22	P-3969/4118	S / N	9:45 AM	48	AG	11	9	850	850	150	RB		
10/20/22	P-4121/4122	W / E	10:18 AM	51	AG	11	8	850	850	22	RB		
10/20/22	P-4123/4124	N / S	10:27 AM	52	AG	11	9	850	850	313	RB	DF-1429	178' S OF NEOS
10/20/22	P-4128/4129	N / S	11:19 AM	54	AG	11	9	850	850	96	RB		
10/20/22	P-4127/4129	N / S	11:32 AM	54	AG	11	9	850	850	188	RB		
10/20/22	P-4129/4130	S / N	12:58 PM	58	AG	11	9	850	850	283	RB	DF-1432	61' N OF SEOS
10/20/22	P-4131/4132	W / E	1:36 PM	58	AG	11	9	850	850	9	RB		
10/20/22	P-4117/4119	S / N	9:24 AM	47	GS	42	8	850	850	195	RB	DF-1427	153' N OF SEOS
10/20/22	P-4118/4119	S / N	9:50 AM	48	GS	42	8	850	850	35	RB		
10/20/22	P-4119/4120	W / E	9:58 AM	48	GS	42	8	850	850	22	RB		
10/20/22	P-4118/4120	S / N	10:10 AM	52	GS	42	8	850	850	113	RB		
10/20/22	P-4122/4123	N / S	10:28 AM	52	GS	42	8	850	850	44	RB		
10/20/22	P-4121/4123	N / S	10:33 AM	52	GS	42	8	850	850	272	RB	DF-1430	224' S OF NEOS
10/20/22	P-4125/4128	N / S	11:18 AM	56	GS	42	8	850	850	70	RB		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)				
10/20/22	P-4126/4128	N / S	11:27 AM	56	GS	42	8	850	850	28	RB		
10/20/22	P-4126/4127	N / S	11:32 AM	56	GS	42	8	850	850	184	RB		
10/20/22	P-4099/4118	W / E	1:04 PM	58	GS	42	8.5	850	850	22	RB		
10/20/22	P-4100/4120	W / E	1:07 PM	58	GS	42	8.5	850	850	22	RB		
10/20/22	P-4107/4120	N / S	1:12 PM	58	GS	42	8.5	850	850	19	RB		
10/20/22	P-4108/4122	N / S	1:26 PM	58	GS	42	8.5	850	850	23	RB		
10/20/22	P-4109/4122	N / S	1:29 PM	58	GS	42	8.5	850	850	6	RB		
10/20/22	P-4109/4123	N / S	1:30 PM	58	GS	42	8.5	850	850	17	RB		
10/20/22	P-4110/4123	N / S	1:32 PM	58	GS	42	8.5	850	850	11	RB		
10/20/22	P-4110/4124	N / S	1:34 PM	58	GS	42	8.5	850	850	11	RB		
10/20/22	P-4111/4124	N / S	1:47 PM	58	GS	42	8.5	850	850	16	RB		
10/20/22	P-4112/4124	N / E	1:49 PM	59	GS	42	8.5	850	850	8	RB		
10/20/22	P-4112/4125	W / E	1:56 PM	59	GS	42	8.5	850	850	20	RB	DF-1433	10' E OF WEOS
10/20/22	P-4113/4125	N / S	1:59 PM	59	GS	42	8.5	850	850	7	RB		
10/20/22	P-4113/4128	W / E	2:13 PM	59	GS	42	8.5	850	850	18	RB		
10/20/22	P-4114/4128	W / E	2:17 PM	59	GS	42	8.5	850	850	4	RB		
10/20/22	P-4114/4129	W / E	2:18 PM	59	GS	42	8.5	850	850	19	RB		
10/20/22	P-4114/4129	W / E	2:19 PM	59	GS	42	8.5	850	850	4	RB		
10/20/22	P-4115/4130	W / E	2:19 PM	59	GS	42	8.5	850	850	19	RB		
10/20/22	P-4116/4130	W / E	2:22 PM	59	GS	42	8.5	850	850	4	RB		
10/20/22	P-4116/4136	W / E	2:22 PM	59	GS	42	8.5	850	850	19	RB		
10/20/22	P-4119/4121	S / N	9:54 AM	48	SP	12	7	850	850	245	RB	DF-1428	144' N OF SEOS
10/20/22	P-4120/4121	S / N	10:30 AM	52	SP	12	7	850	850	18	RB		
10/20/22	P-4120/4122	S / N	10:32 AM	52	SP	12	7	850	850	69	RB		
10/20/22	P-4124/4125	N / S	10:45 AM	54	SP	12	7	850	850	80	RB		
10/20/22	P-4125/4126	W / E	11:05 AM	56	SP	12	6.5	850	850	22	RB		
10/20/22	P-4127/4128	W / E	11:15 AM	56	SP	12	6.5	850	850	22	RB		
10/20/22	P-4124/4126	N / S	11:22 AM	56	SP	12	6.5	850	850	207	RB	DF-1431	168' N OF SEOS
10/20/22	P-4130/4131	S / N	12:53 PM	58	SP	12	7	850	850	71	RB		
10/20/22	P-4130/4132	S / N	1:06 PM	58	SP	12	7	850	850	79	RB		
10/20/22	P-4116/4132	W / E	2:22 PM	60	SP	12	8.5	850	850	16	RB		
10/22/22	P-4133/4134	S / N	7:15 AM	40	AG	11	9	850	850	116	DK		
10/22/22	P-4134/4135	N / S	7:40 AM	39	AG	11	9	850	850	117	DK		
10/22/22	P-4138/4139	S / N	8:00 AM	39	AG	11	9	850	850	125	DK	DF-1435	10' N OF SEOS
10/22/22	P-4135/4136	S / N	7:17 AM	37	GS	42	8	850	850	118	DK		
10/22/22	P-4136/4137	N / S	7:37 AM	39	GS	42	8	850	850	120	DK		
10/22/22	P-4137/4138	S / N	7:56 AM	39	GS	42	8	850	850	122	DK	DF-1436	7' N OF SEOS
10/22/22	P-4132/4133	S / N	8:47 AM	42	GS	42	8	850	850	16	DK		

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)				
10/22/22	P-4116/4133	S / N	8:52 AM	42	GS	42	8	850	850	99	DK		



APPENDIX K.4 – 80-MIL GEOMEMBRANE EXTRUSION WELDING SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)					
10/7/22	TIE/P-3969	E	W	1:22 AM	40	JLO	1	550	550	550	22	DK			
10/7/22	TIE/P-3970	E	W	1:25 AM	40	JLO	1	550	550	550	23	DK			
10/7/22	TIE/P-3971	E	W	1:00 AM	40	JLO	1	550	550	550	22	DK			
10/7/22	TIE/P-3973	E	W	12:50 PM	40	JLO	1	550	550	550	22	DK			
10/7/22	TIE/P-3975	E	W	12:40 PM	40	JLO	1	550	550	550	22	DK			
10/7/22	TIE/P-3977	E	W	10:18 AM	40	SR	4	550	550	550	23	DK			
10/7/22	TIE/P-3979	E	W	10:34 AM	40	SR	4	550	550	550	22	DK			
10/8/22	TIE/P-3997	E	W	8:44 AM	40	JLO	1	550	550	550	21	DK			
10/8/22	TIE/P-3995	E	W	9:00 AM	40	JLO	1	550	550	550	22	DK	DX-278		11' W OF EEOS
10/8/22	TIE/P-3983	E	W	9:31 AM	40	JLO	1	550	550	550	20	DK			
10/8/22	TIE/P-3981	E	W	10:00 AM	40	JLO	1	550	550	550	22	DK			
10/8/22	TIE/P-3996	E	W	10:32 AM	40	JLO	1	550	550	550	23	DK			
10/8/22	TIE/P-4000	E	W	10:57 AM	40	JLO	1	550	550	550	21	DK			
10/8/22	TIE/P-3999	E	W	11:19 AM	40	JLO	1	550	550	550	14	DK			
10/8/22	TIE/P-3998	E	W	11:42 AM	40	JLO	1	550	550	550	23	DK			
10/8/22	TIE/P-4001	W	E	8:05 AM	40	SR	4	550	550	550	23	DK			
10/8/22	TIE/P-4003	W	E	8:30 AM	40	SR	4	550	550	550	22	DK			
10/8/22	TIE/P-4004	W	E	8:45 AM	40	SR	4	550	550	550	21	DK			
10/8/22	TIE/P-4005	W	E	9:05 AM	40	SR	4	550	550	550	22	DK			
10/8/22	TIE/P-4007	W	E	9:30 AM	40	SR	4	550	550	550	20	DK	DX-277		1' E OF WEOS
10/8/22	TIE/P-4008	W	E	10:00 AM	40	SR	4	550	550	550	23	DK			
10/8/22	TIE/P-4009	W	E	11:40 AM	40	SR	4	550	550	550	25	DK			
10/8/22	TIE/P-4010	W	E	12:40 PM	40	SR	4	550	550	550	24	DK			
10/8/22	TIE/P-4011	W	E	1:15 PM	40	SR	4	550	550	550	23	DK			
10/8/22	TIE/P-4019	W	E	1:45 PM	40	SR	4	550	550	550	19	DK			
10/8/22	TIE/P-4018	W	E	2:00 PM	40	SR	4	550	550	550	22	DK			
10/8/22	TIE/P-4012	E	W	10:12 AM	40	WL	83	550	550	550	24	DK			
10/8/22	TIE/P-4013	E	W	10:20 AM	40	WL	83	550	550	550	22	DK			
10/8/22	TIE/P-4014	E	W	10:33 AM	40	WL	83	550	550	550	21	DK	DX-279		4' W OF EEOS
10/8/22	TIE/P-4015	E	W	1:18 PM	40	WL	83	550	550	550	22	DK			
10/8/22	TIE/P-4016	E	W	1:26 PM	40	WL	83	550	550	550	22	DK			
10/8/22	TIE/P-4017	E	W	1:46 PM	40	WL	83	550	550	550	20	DK			
10/10/22	P-89/4027	N	S	2:30 PM	52	JLO	1	550	550	550	16	DK			
10/10/22	P-89/4026	N	S	3:15 PM	52	JLO	1	550	550	550	7	DK			
10/10/22	P-90/4026	N	S	3:59 PM	52	JLO	1	550	550	550	16	DK			
10/10/22	P-90/4026	N	S	4:05 PM	52	JLO	1	550	550	550	5	DK			
10/10/22	P-82/4025	N	S	4:08 PM	52	JLO	1	550	550	550	11	DK			

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)					
10/10/22	P-94/4035	N	S	3:24 PM	52	WL	83	550	550	550	13	DK			
10/11/22	P-93/4035	N	S	3:27 PM	52	WL	83	550	550	550	10	DK			
10/12/22	P-93/4034	N	S	3:39 PM	52	WL	83	550	550	550	11	DK			
10/12/22	P-93/4034	N	S	3:50 PM	52	WL	83	550	550	550	12	DK			
10/12/22	P-138/4042	E	W	2:45 PM	52	SR	4	550	550	550	10	DK			
10/12/22	P-137/4042	E	W	3:00 PM	52	SR	4	550	550	550	12	DK			
10/12/22	P-137/4041	E	W	3:05 PM	52	SR	4	550	550	550	14	DK			
10/12/22	P-136/4041	E	W	3:08 PM	52	SR	4	550	550	550	23	DK	DX-291		5' E OF WEOS
10/12/22	P-135/4040	E	W	3:25 PM	52	SR	4	550	550	550	23	DK			
10/12/22	P-100/4040	E	W	3:35 PM	52	SR	4	550	550	550	11	DK			
10/12/22	P-100/4038	E	W	3:40 PM	52	SR	4	550	550	550	12	DK			
10/12/22	P-95/4038	E	W	3:45 PM	52	SR	4	550	550	550	6	DK			
10/12/22	P-96/4038	E	W	3:50 PM	52	SR	4	550	550	550	6	DK			
10/17/22	TIE/P-4043	W	E	9:20 AM	33	SR	4	550	550	550	22	DK			
10/17/22	TIE/P-4028	W	E	9:11 AM	32	JLO	1	550	550	550	19	DK			
10/17/22	TIE/P-4029	W	E	9:29 AM	32	JLO	1	550	550	550	25	DK	DX-293		5' N OF SEOS
10/17/22	TIE/P-4031	W	E	9:20 AM	33	WL	83	550	550	550	25	DK			
10/17/22	TIE/P-4032	W	E	9:10 AM	32	WL	83	550	550	550	22	DK			
10/18/22	P-162/4066	S	N	9:08 AM	40	WL	83	550	550	550	17	RB			
10/18/22	P-161/4066	S	N	9:28 AM	40	WL	83	550	550	550	13	RB			
10/18/22	P-161/4065	S	N	9:46 AM	40	WL	83	550	550	550	6	RB			
10/18/22	P-160/4065	S	N	9:48 AM	40	WL	83	550	550	550	23	RB			
10/18/22	P-159/4065	S	N	10:05 AM	40	WL	83	550	550	550	6	RB			
10/18/22	P-159/4064	S	N	10:13 AM	40	WL	83	550	550	550	18	RB			
10/18/22	P-158/4064	S	N	10:17 AM	40	WL	83	550	550	550	8	RB			
10/18/22	P-158/4063	S	N	10:24 AM	42	WL	83	550	550	550	7	RB			
10/18/22	P-157/4063	S	N	10:38 AM	42	WL	83	550	550	550	20	RB			
10/18/22	P-157/4062	S	N	11:03 AM	45	WL	83	550	550	550	4	RB			
10/18/22	P-156/4062	S	N	11:06 AM	45	WL	83	550	550	550	19	RB	DX-80		14' N OF SEOS
10/18/22	P-156/4061	S	N	9:40 AM	40	SR	4	550	550	550	3	RB			
10/18/22	P-155/4061	S	N	9:43 AM	40	SR	4	550	550	550	13	RB			
10/18/22	P-154/4061	S	N	9:50 AM	40	SR	4	550	550	550	7	RB			
10/18/22	P-154/4060	S	N	10:05 AM	40	SR	4	550	550	550	16	RB			
10/18/22	P-153/4060	S	N	10:23 AM	40	SR	4	550	550	550	7	RB			
10/18/22	P-153/4059	S	N	10:25 AM	40	SR	4	550	550	550	16	RB			
10/18/22	P-152/4059	S	N	10:30 AM	40	SR	4	550	550	550	7	RB			
10/18/22	P-152/4058	S	N	10:32 AM	40	SR	4	550	550	550	10	RB			

**Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3**



**Stage A.1 Record of Construction
80-mil 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)					
10/18/22	P-151/4056	S	/ N	10:35 AM	42	SR	4	550	550	550	23	RB			
10/18/22	P-150/4055	S	/ N	10:50 AM	42	SR	4	550	550	550	21	RB			
10/18/22	P-150/4054	S	/ N	10:55 AM	42	SR	4	550	550	550	2	RB			
10/18/22	P-149/4054	S	/ N	10:56 AM	42	SR	4	550	550	550	6	RB			
10/18/22	P-149/4052	S	/ N	11:00 AM	45	SR	4	550	550	550	6	RB			
10/18/22	P-148/4052	S	/ N	11:03 AM	45	SR	4	550	550	550	17	RB			
10/18/22	P-148/4051	S	/ N	11:15 AM	45	SR	4	550	550	550	6	RB			
10/18/22	P-147/4051	S	/ N	11:17 AM	45	SR	4	550	550	550	17	RB			
10/18/22	P-147/4050	S	/ N	11:25 AM	45	SR	4	550	550	550	6	RB			
10/18/22	P-146/4050	S	/ N	11:27 AM	45	SR	4	550	550	550	7	RB			
10/18/22	P-145/4049	W	/ E	11:40 AM	46	SR	4	550	550	550	22	RB	DX-283		5' EAST OF WEOS
10/18/22	P-144/4048	W	/ E	11:55 AM	46	SR	4	550	550	550	13	RB	DX-81		3' E OF WEOS
10/18/22	P-144/4047	W	/ E	11:58 AM	46	SR	4	550	550	550	6	RB			
10/18/22	P-138/4043	E	/ W	9:23 AM	40	JLO	1	550	550	550	10	RB			
10/18/22	P-138/4044	E	/ W	9:33 AM	40	JLO	1	550	550	550	4	RB			
10/18/22	P-139/4044	E	/ W	9:35 AM	40	JLO	1	550	550	550	23	RB			
10/18/22	P-140/4044	E	/ W	10:00 AM	40	JLO	1	550	550	550	5	RB			
10/18/22	P-140/4045	E	/ W	10:24 AM	42	JLO	1	550	550	550	30	RB			
10/18/22	P-141/4045	E	/ W	10:50 AM	42	JLO	1	550	550	550	22	RB			
10/18/22	P-141/4046	E	/ W	11:08 AM	45	JLO	1	550	550	550	5	RB			
10/18/22	P-142/4046	E	/ W	11:11 AM	45	JLO	1	550	550	550	23	RB			
10/18/22	P-143/4046	E	/ W	11:26 AM	45	JLO	1	550	550	550	2	RB			
10/18/22	P-143/4047	E	/ W	11:28 AM	45	JLO	1	550	550	550	21	RB	DX-82		19' W OF EEOS
10/20/22	P-162/4077	W	/ E	1:39 PM	58	WL	83	550	550	550	2	RB			
10/20/22	P-163/4077	W	/ E	1:40 PM	58	WL	83	550	550	550	22	RB			
10/20/22	P-164/4087	W	/ E	2:00 PM	58	WL	83	550	550	550	15	RB			
10/20/22	P-165/4087	W	/ E	2:05 PM	58	WL	83	550	550	550	7	RB			
10/20/22	P-165/4088	W	/ E	2:10 PM	58	WL	83	550	550	550	16	RB			
10/20/22	P-166/4088	W	/ E	2:23 PM	58	WL	83	550	550	550	7	RB			
10/20/22	P-166/4089	W	/ E	2:43 PM	58	WL	83	550	550	550	16	RB			
10/20/22	P-167/4089	W	/ E	2:51 PM	58	WL	83	550	550	550	7	RB			
10/20/22	P-167/4090	W	/ E	2:59 PM	58	WL	83	550	550	550	16	RB			
10/20/22	P-168/4090	W	/ E	3:06 PM	58	WL	83	550	550	550	7	RB			
10/20/22	P-168/4091	W	/ E	3:12 PM	58	WL	83	550	550	550	16	RB			
10/20/22	P-169/4091	W	/ E	3:23 PM	58	WL	83	550	550	550	7	RB			
10/20/22	P-169/4093	W	/ E	3:28 PM	58	WL	83	550	550	550	16	RB			
10/20/22	P-170/4093	W	/ E	3:36 PM	58	WL	83	550	550	550	7	RB			

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)					
10/20/22	P-170/4094	W	E	3:40 PM	58	WL	83	550	550	550	16	RB			
10/20/22	P-171/4094	W	E	3:53 PM	58	WL	83	550	550	550	7	RB	DX-285		3' E OF WEOS
10/20/22	P-179/4100	E	W	3:00 PM	58	SR	4	550	550	550	10	RB			
10/20/22	P-178/4100	E	W	3:15 PM	58	SR	4	550	550	550	15	RB			
10/20/22	P-178/4099	E	W	3:25 PM	58	SR	4	550	550	550	8	RB			
10/20/22	P-175/4099	E	W	3:28 PM	58	SR	4	550	550	550	15	RB			
10/20/22	P-175/4098	E	W	3:30 PM	58	SR	4	550	550	550	8	RB			
10/20/22	P-174/4098	E	W	3:33 PM	58	SR	4	550	550	550	6	RB	DX-284		13' W OF EEOS
10/21/22	P-171/4095	W	E	8:00 AM	42	SR	4	550	550	550	16	RB			
10/21/22	P-172/4095	W	E	8:15 AM	42	SR	4	550	550	550	7	RB			
10/21/22	P-172/4096	W	E	8:25 AM	42	SR	4	550	550	550	16	RB			
10/21/22	P-173/4096	W	E	8:32 AM	42	SR	4	550	550	550	7	RB			
10/21/22	P-173/4097	W	E	8:35 AM	42	SR	4	550	550	550	15	RB			
10/21/22	P-179/4101	W	E	9:05 AM	43	SR	4	550	550	550	8	RB			
10/21/22	P-184/4101	W	E	9:10 AM	43	SR	4	550	550	550	16	RB			
10/21/22	P-184/4102	W	E	9:15 AM	43	SR	4	550	550	550	7	RB			
10/21/22	P-185/4102	W	E	9:20 AM	43	SR	4	550	550	550	17	RB			
10/21/22	P-185/4103	W	E	9:25 AM	43	SR	4	550	550	550	6	RB			
10/21/22	P-186/4103	W	E	9:50 AM	43	SR	4	550	550	550	14	RB			
10/21/22	P-186/4104	W	E	9:55 AM	43	SR	4	550	550	550	9	RB			
10/21/22	P-186/4104	N	S	10:00 AM	43	SR	4	550	550	550	14	RB			
10/21/22	P-189/4105	N	S	10:05 AM	43	SR	4	550	550	550	6	RB			
10/21/22	P-190/4105	N	S	10:07 AM	43	SR	4	550	550	550	17	RB			
10/21/22	P-190/4106	N	S	10:25 AM	43	SR	4	550	550	550	6	RB			
10/21/22	P-191/4106	N	S	10:27 AM	43	SR	4	550	550	550	16	RB			
10/21/22	P-191/4107	N	S	10:30 AM	43	SR	4	550	550	550	7	RB			
10/21/22	P-192/4107	N	S	10:35 AM	45	SR	4	550	550	550	11	RB			
10/21/22	P-193/4110	N	S	11:00 AM	47	SR	4	550	550	550	22	RB			
10/21/22	P-194/4111	N	S	11:15 AM	48	SR	4	550	550	550	5	RB			
10/21/22	P-195/4111	N	S	11:17 AM	48	SR	4	550	550	550	17	RB			
10/21/22	P-195/4114	W	E	11:30 AM	49	SR	4	550	550	550	6	RB			
10/21/22	P-196/4114	W	E	11:32 AM	49	SR	4	550	550	550	14	RB			
10/21/22	P-196/4115	W	E	11:35 AM	50	SR	4	550	550	550	6	RB			
10/21/22	P-197/4115	W	E	11:37 AM	50	SR	4	550	550	550	17	RB			
10/21/22	P-197/4116	W	E	11:55 AM	50	SR	4	550	550	550	6	RB	DX-288		2' E OF WEOS
10/22/22	P-198/4116	W	E	8:40 AM	37	WL	83	550	550	550	16	DK			
10/22/22	P-198/4133	W	E	9:15 AM	39	WL	83	550	550	550	4	DK			

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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)					
10/22/22	P-199/4133	W	E	9:18 AM	39	WL	83	550	550	550	18	DK			
10/22/22	P-199/4134	W	E	9:36 AM	40	WL	83	550	550	550	5	DK			
10/22/22	P-200/4134	W	E	9:38 AM	40	WL	83	550	550	550	18	DK			
10/22/22	P-200/4135	W	E	9:52 AM	40	WL	83	550	550	550	5	DK			
10/22/22	P-201/4135	W	E	9:55 AM	42	WL	83	550	550	550	19	DK			
10/22/22	P-201/4136	W	E	10:01 AM	43	WL	83	550	550	550	3	DK			
10/22/22	P-202/4136	W	E	10:03 AM	43	WL	83	550	550	550	18	DK			
10/22/22	P-202/4137	W	E	10:18 AM	45	WL	83	550	550	550	3	DK			
10/22/22	P-203/4137	W	E	10:20 AM	45	WL	83	550	550	550	19	DK			
10/22/22	P-203/4138	W	E	-	-	WL	83	550	550	550	-	DK			D11163
10/22/22	P-204/4138	W	E	-	-	WL	83	550	550	550	-	DK			D11163
10/22/22	P-204/4139	W	E	10:29 AM	45	WL	83	550	550	550	18	DK	DX-290		4' E OF WEOS
10/22/22	TIE/P-3969	E	W	8:15 AM	37	SR	4	550	550	550	11	DK			
10/22/22	TIE/P-4117	E	W	8:20 AM	37	SR	4	550	550	550	24	DK			
10/22/22	TIE/P-4119	E	W	8:40 AM	39	SR	4	550	550	550	23	DK			
10/22/22	TIE/P-4121	E	W	9:00 AM	40	SR	4	550	550	550	23	DK			
10/22/22	TIE/P-4123	E	W	9:10 AM	40	SR	4	550	550	550	22	DK			
10/22/22	TIE/P-4124	E	W	9:30 AM	42	SR	4	550	550	550	23	DK			
10/22/22	TIE/P-4126	E	W	9:50 AM	45	SR	4	550	550	550	24	DK	DX-289		10' E OF WEOS
10/22/22	TIE/P-4127	E	W	10:05 AM	47	SR	4	550	550	550	23	DK			
10/22/22	TIE/P-4129	E	W	10:15 AM	47	SR	4	550	550	550	22	DK			
10/22/22	TIE/P-4130	E	W	10:45 AM	49	SR	4	550	550	550	3	DK			



APPENDIX K.5 – 80-MIL GEOMEMBRANE DESTRUCTIVE TESTING SUMMARIES

APPENDIX K.5.1 – 80-MIL GEOMEMBRANE FUSION DESTRUCTIVE TESTING SUMMARY

APPENDIX K.5.2 – 80-MIL GEOMEMBRANE EXTRUSION DESTRUCTIVE TESTING SUMMARY



APPENDIX K.5.1 – 80-MIL GEOMEMBRANE FUSION DESTRUCTIVE TESTING SUMMARY

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



80-mil 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 = 88 ppi)					Peel Strength (Minimum = 88 ppi)					Shear Strength (Minimum = 120 ppi)					Pass/Fail	
DF-1390	P-3969/3970	10/5/2022	SP	12	10/7/2022	178	166	158	169	166	187	188	178	173	168	173	189	171	197	186	P	RB
DF-1391	P-3970/3971	10/5/2022	JR	42	10/7/2022	174	170	176	157	164	181	167	176	192	170	202	206	193	200	180	P	RB
DF-1392	P-3971/3972	10/5/2022	FC	11	10/7/2022	155	159	162	172	154	175	180	179	177	156	157	173	164	174	158	P	RB
DF-1393	P-3974/3976	10/5/2022	JR	42	10/7/2022	144	154	125	155	153	159	161	158	161	159	165	171	163	177	161	P	RB
DF-1394	P-3977/3979	10/5/2022	FC	11	10/7/2022	129	143	136	127	132	128	132	132	146	131	153	160	156	162	141	P	RB
DF-1395	P-3976/3978	10/5/2022	SP	12	10/7/2022	142	150	137	147	124	160	151	146	154	142	136	162	152	164	140	P	RB
DF-1396	P-3982/3984	10/6/2022	SP	12	10/7/2022	136	137	136	137	141	140	140	142	142	136	133	149	141	152	142	P	RB
DF-1397	P-3985/3986	10/6/2022	FC	11	10/7/2022	160	153	150	150	130	171	173	169	158	142	158	176	155	169	151	P	RB
DF-1398	P-3990/3991	10/6/2022	JR	42	10/7/2022	147	142	146	152	149	144	145	148	151	152	138	158	146	160	157	P	RB
DF-1399	P-3980/3982	10/6/2022	FC	11	10/7/2022	142	149	145	149	158	158	159	163	160	157	168	183	169	171	162	P	RB
DF-1400	P-3995/3996	10/6/2022	SP	12	10/7/2022	149	142	154	134	135	152	157	156	154	139	166	171	161	170	150	P	RB
DF-1401	P-3998/3999	10/6/2022	JR	42	10/7/2022	145	141	142	158	152	159	161	150	168	149	179	186	168	183	167	P	RB
DF-1402	P-4000/4001	10/6/2022	FC	11	10/7/2022	140	140	140	140	142	150	150	160	159	155	169	175	151	167	165	P	RB
DF-1403	P-4005/4006	10/6/2022	SP	12	10/7/2022	142	142	140	141	136	148	148	138	150	136	141	157	146	161	145	P	RB
DF-1404	P-4014/4015	10/6/2022	JR	42	10/7/2022	141	139	130	138	147	143	146	147	141	147	141	162	145	158	148	P	RB
DF-1405	P-3985/4020	10/7/2022	SP	12	10/7/2022	139	136	134	140	136	133	141	133	144	134	145	145	140	152	144	P	RB
DF-1406	P-4025/4026	10/10/2022	GS	42	10/10/2022	145	147	162	155	145	159	158	157	146	159	155	170	153	170	176	P	RB
DF-1407	P-4028/4029	10/10/2022	AG	11	10/10/2022	142	137	153	149	145	151	140	145	152	148	164	150	152	154	161	P	RB
DF-1408	P-4034/4036	10/10/2022	SP	12	10/10/2022	150	156	150	160	159	153	148	158	147	160	158	173	161	167	167	P	RB
DF-1409	P-4035/4037	10/10/2022	GS	42	10/10/2022	143	152	163	144	162	147	152	165	155	156	154	169	170	162	162	P	RB
DF-1410	P-4037/4038	10/10/2022	AG	11	10/10/2022	158	161	147	158	156	159	157	158	153	142	161	168	159	174	153	P	RB
DF-1411	P-4044/4045	10/22/2022	SP	12	10/18/2022	178	166	177	170	182	189	180	183	182	172	206	215	199	215	210	P	RB
DF-1412	P-4046/4047	10/17/2022	GS	42	10/18/2022	168	193	168	182	175	193	190	177	173	176	168	196	190	204	205	P	RB
DF-1413	P-4059/4060	10/17/2022	AG	11	10/18/2022	179	150	143	178	166	210	159	185	170	171	178	211	186	203	187	P	RB
DF-1414	P-4065/4066	10/17/2022	SP	12	10/18/2022	160	180	182	171	190	191	192	188	186	185	191	217	198	193	211	P	RB
DF-1415	P-4066/4067	10/17/2022	GS	42	10/18/2022	154	172	177	161	184	183	180	193	170	179	202	217	202	218	219	P	RB
DF-1416	P-4075/4076	10/17/2022	AG	11	10/18/2022	163	160	164	159	172	176	183	179	169	168	209	217	202	224	221	P	RB
DF-1417	P-4080/4081	10/18/2022	SP	12	10/19/2022	186	176	177	192	159	198	175	186	173	185	202	215	204	210	210	P	RB
DF-1418	P-4023/4079	10/18/2022	GS	42	10/19/2022	169	182	176	174	172	182	171	182	175	174	192	200	191	202	190	P	RB
DF-1419	P-4087/4088	10/18/2022	SP	12	10/19/2022	159	168	159	164	173	172	156	168	171	171	166	188	160	190	179	P	RB
DF-1420	P-4076/4084	10/18/2022	AG	11	10/19/2022	161	159	167	142	155	168	138	156	148	142	168	180	157	167	163	P	RB
DF-1421	P-3980/4091	10/18/2022	GS	42	10/20/2022	151	164	173	173	181	166	175	164	180	169	170	185	171	182	185	P	DK
DF-1422	P-4096/4097	10/19/2022	AG	11	10/20/2022	141	144	146	148	149	156	169	166	156	168	162	176	166	176	175	P	DK
DF-1423	P-4102/4104	10/18/2022	SP	12	10/20/2022	157	165	146	161	157	143	166	161	161	147	170	183	172	177	173	P	DK

Cripple Creek & Victor Gold Mining Company

Valley Leach Facility 2 Phase 3

Stage A.1 Record of Construction

80-mil 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 = 88 ppi)					Peel Strength (Minimum = 88 ppi)					Shear Strength (Minimum = 120 ppi)					Pass/Fail	
DF-1424	P-4099/4100	10/19/2022	GS	42	10/20/2022	155	150	167	160	159	153	158	167	162	161	165	179	167	184	180	P	DK
DF-1425	P-4078/4080	10/18/2022	GS	42	10/20/2022	152	152	147	158	155	150	160	153	160	165	168	159	181	165	180	P	DK
DF-1426	P-3969/4117	10/20/2022	AG	11	10/20/2022	139	140	144	145	145	147	138	155	161	146	165	171	160	171	165	P	DK
DF-1427	P-4117/4119	10/20/2022	GS	42	10/20/2022	142	153	146	149	160	147	156	154	149	149	166	178	162	174	176	P	DK
DF-1428	P-4119/4121	10/20/2022	SP	12	10/20/2022	136	150	144	155	163	172	157	153	154	165	175	181	172	164	180	P	DK
DF-1429	P-4123/4124	10/20/2022	AG	11	10/20/2022	139	153	143	139	145	136	151	147	153	146	169	179	168	181	179	P	DK
DF-1430	P-4121/4123	10/20/2022	GS	42	10/20/2022	144	154	145	146	154	153	158	145	150	160	160	174	167	170	175	P	DK
DF-1431	P-4124/4126	10/20/2022	SP	12	10/20/2022	132	133	142	152	149	148	152	152	144	145	170	158	161	178	170	P	DK
DF-1432	P-4129/4130	10/20/2022	AG	11	10/21/2022	168	189	187	156	194	165	153	186	192	162	197	219	205	219	224	P	DK
DF-1433	P-4112/4125	10/20/2022	GS	42	10/20/2022	155	148	156	158	160	149	157	141	165	151	157	166	155	168	169	P	DK
DF-1434	P-4115/4116	10/21/2022	AG	11	10/21/2022	122	125	142	137	150	134	140	142	152	147	146	157	145	160	152	P	DK
DF-1435	P-4138/4139	10/22/2022	AG	11	10/22/2022	163	161	155	174	168	159	170	162	171	140	176	183	159	183	197	P	DK
DF-1436	P-4137/4138	10/22/2022	GS	42	10/22/2022	153	160	145	155	155	156	160	152	164	161	178	162	159	168	176	P	DK
DF-1437	P-4041/4042	10/10/2022	SP	12	10/24/2022	187	200	190	191	189	193	181	197	193	187	254	241	239	242	232	P	DK
DF-1438	P-4061/4062	10/17/2022	SP	12	10/24/2022	182	191	203	193	196	190	204	200	193	197	233	224	227	219	225	P	DK



APPENDIX K.5.2 – 80-MIL GEOMEMBRANE EXTRUSION DESTRUCTIVE TESTING SUMMARY

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



80-mil 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 = 88 ppi)					Shear Strength ¹ (Minimum = 120 ppi)					Pass/Fail		
DX-276	P-3986/4021	10/07/22	WL	83	10/07/22	129	134	156	151	154	157	174	150	170	161	P	RB	TT
DX-277	Tie-4007	10/08/22	SR	4	10/08/22	119	150	106	152	152	162	174	159	174	168	P	RB	TT
DX-278	Tie-3996	10/08/22	JLO	1	10/08/22	163	153	142	166	163	162	175	162	174	175	P	RB	TT
DX-279	Tie-4014	10/08/22	WL	83	10/08/22	111	145	138	150	149	152	137	161	142	159	P	RB	TT
DX-280	P-156/4062	10/18/22	WL	83	10/19/22	156	159	149	157	159	153	168	153	167	169	P	RB	TT
DX-281	P-144/4048	10/18/22	SR	4	10/19/22	158	175	160	178	179	170	178	165	179	175	P	RB	TT
DX-282	P-143/4047	10/18/22	JLO	1	10/19/22	160	173	172	159	176	174	176	164	170	174	P	RB	TT
DX-283	P-145/4049	10/20/22	SR	4	10/20/22	158	171	154	166	157	165	165	158	169	170	P	DK	TT
DX-284	P-174/4098	10/20/22	SR	4	10/21/22	179	196	182	153	187	191	188	211	192	206	P	DK	TT
DX-285	P-171/4094	10/20/22	WL	83	10/21/22	213	222	225	206	217	196	215	197	216	216	P	DK	TT
DX-286	D11035/P4084	10/21/22	JLO	1	10/21/22	139	141	141	142	159	146	160	150	152	167	P	DK	TT
DX-287	D11044/P4098	10/21/22	WL	83	10/21/22	152	162	161	160	171	162	172	162	169	171	P	DK	TT
DX-288	P-197/4116	10/22/22	SR	4	10/22/22	160	173	153	162	185	164	173	163	180	176	P	DK	TT
DX-289	TIE-P4129	10/22/22	SR	4	10/22/22	160	173	153	162	185	164	173	163	180	176	P	DK	TT
DX-290	204/4139	10/22/22	WL	83	10/22/22	157	149	170	167	165	163	168	165	174	172	P	DK	TT
DX-291	P-136/4041	10/10/22	SR	4	10/24/22	185	197	191	197	175	203	209	200	197	190	P	DK	TT

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



80-mil 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 = 88 ppi)					Shear Strength ¹ (Minimum = 120 ppi)					Pass/Fail		
DX-292	P-94/4043	10/17/22	SR	4	10/24/22	198	187	190	200	189	211	193	197	201	189	P	DK	TT
DX-293	P-87/4029	10/17/22	JLO	1	10/24/22	208	218	212	193	209	211	200	204	210	216	P	DK	TT
DX-294	P-84/4032	10/17/22	WL	83	10/24/22	196	180	208	192	198	206	197	191	200	191	P	DK	TT



APPENDIX K.6 – 80-MIL GEOMEMBRANE PRESSURE TESTING SUMMARY

Cripple Creek Victor Gold Mining Company
Valley Leach Facility 2
Phase 3 Stage A.1 Record of Construction
80-mil 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	
10/7/2022	P3982/3984	N	/	SEOS	FC	7:03 AM	7:08 AM	32	32	0	P	DK	X		
10/7/2022	P3980/3982	N	/	SEOS	FC	7:09 AM	7:14 AM	33	32	1	P	DK	X		
10/7/2022	P3981/3982	E	/	WEOS	FC	7:03 AM	7:08 AM	31	31	0	P	DK	X		
10/7/2022	P3980/3981	N	/	SEOS	FC	7:09 AM	7:14 AM	32	31	1	P	DK	X		
10/7/2022	P3981/3984	N	/	SEOS	FC	7:03 AM	7:08 AM	30	30	0	P	DK	X		
10/7/2022	P3979/3981	N	/	SEOS	FC	7:20 AM	7:25 AM	34	33	1	P	DK	X		
10/7/2022	P3979/3980	E	/	WEOS	FC	7:20 AM	7:25 AM	30	30	0	P	DK	X		
10/7/2022	P3978/3980	N	/	SEOS	FC	7:26 AM	7:31 AM	34	33	1	P	DK	X		
10/7/2022	P3977/3978	E	/	WEOS	FC	7:41 AM	7:46 AM	30	30	0	P	DK	X		
10/7/2022	P3977/3979	N	/	SEOS	FC	7:41 AM	7:46 AM	31	31	0	P	DK	X		
10/7/2022	P3978/3979	N	/	SEOS	FC	7:26 AM	7:31 AM	31	30	1	P	DK	X		
10/7/2022	P3976/3977	N	/	SEOS	FC	7:45 AM	7:50 AM	30	29	1	P	DK	X		
10/7/2022	P3976/3978	N	/	SEOS	FC	7:45 AM	7:50 AM	34	33	1	P	DK	X		
10/7/2022	P3975/3976	E	/	WEOS	FC	8:00 AM	8:05 AM	31	31	0	P	DK	X		
10/7/2022	P3975/3977	N	/	SEOS	FC	8:00 AM	8:05 AM	34	34	0	P	DK	X		
10/7/2022	P3974/3975	N	/	SEOS	FC	8:20 AM	8:25 AM	31	31	0	P	DK	X		
10/7/2022	P3974/3976	N	/	SEOS	FC	8:03 AM	8:08 AM	34	34	0	P	DK	X		
10/7/2022	P3973/3975	N	/	SEOS	FC	8:20 AM	8:25 AM	34	34	0	P	DK	X		
10/7/2022	P3973/3974	E	/	WEOS	FC	8:20 AM	8:25 AM	34	33	1	P	DK	X		
10/7/2022	P3972/3974	N	/	SEOS	FC	8:25 AM	8:30 AM	31	31	0	P	DK	X		
10/7/2022	P3972/3973	N	/	SEOS	FC	8:25 AM	8:30 AM	31	31	0	P	DK		X	
10/7/2022	P3970/3972	S	/	D-10784	FC	8:30 AM	8:35 AM	34	34	0	P	DK	X		
10/7/2022	P3970/3972	D-10784	/	NEOS	FC	8:43 AM	8:48 AM	34	34	0	P	DK	X		
10/7/2022	P3971/3972	E	/	WEOS	FC	8:48 AM	8:53 AM	31	31	0	P	DK	X		
10/7/2022	P3970/3971	N	/	SEOS	FC	9:04 AM	9:09 AM	31	31	0	P	DK	X		
10/7/2022	P3971/3973	N	/	SEOS	FC	8:45 AM	8:50 AM	34	33	1	P	DK	X		
10/7/2022	P3969/3970	N	/	SEOS	FC	8:58 AM	9:03 AM	34	34	0	P	DK	X		
10/7/2022	P3981/3983	N	/	SEOS	FC	9:12 AM	9:17 AM	34	34	0	P	DK	X		
10/7/2022	P3983/3984	W	/	EEOs	FC	9:12 AM	9:17 AM	30	30	0	P	DK	X		
10/7/2022	P3983/3995	N	/	SEOS	FC	9:16 AM	9:21 AM	30	30	0	P	DK	X		
10/7/2022	P3984/3995	N	/	D-10814	FC	9:16 AM	9:21 AM	31	31	0	P	DK		X	
10/7/2022	P3984/3995	D-10814	/	SEOS	FC	9:21 AM	9:26 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
80-mil 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	
10/7/2022	P3991/3995	E	/	WEOS	FC	9:21 AM	9:26 AM	31	31	0	P	DK	X		
10/7/2022	P3984/3991	N	/	SEOS	FC	9:21 AM	9:26 AM	30	30	0	P	DK	X		
10/7/2022	P3990/3991	E	/	WEOS	FC	9:23 AM	9:28 AM	32	32	0	P	DK	X		
10/7/2022	P3988/3990	E	/	WEOS	FC	9:26 AM	9:31 AM	32	30	2	P	DK	X		
10/7/2022	P3984/3990	N	/	SEOS	FC	9:26 AM	9:31 AM	31	30	1	P	DK	X		
10/7/2022	P3984/3988	N	/	SEOS	FC	9:26 AM	9:31 AM	31	31	0	P	DK	X		
10/7/2022	P3987/3988	E	/	WEOS	FC	9:30 AM	9:35 AM	32	32	0	P	DK	X		
10/7/2022	P3984/3987	N	/	SEOS	FC	9:35 AM	9:40 AM	31	31	0	P	DK	X		
10/7/2022	P3986/3987	E	/	WEOS	FC	9:35 AM	9:40 AM	31	31	0	P	DK	X		
10/7/2022	P3984/3986	N	/	SEOS	FC	9:35 AM	9:40 AM	32	32	0	P	DK	X		
10/7/2022	P3986/4021	E	/	D-10838	FC	9:47 AM	9:52 AM	31	31	0	P	DK	X		
10/7/2022	P3986/4021	D-10838	/	WEOS	FC	-	-	-	-	-	F	DK	X		
10/7/2022	P3984/4021	N	/	SEOS	FC	9:50 AM	9:55 AM	30	30	0	P	DK	X		
10/7/2022	P3984/4022	N	/	SEOS	FC	9:50 AM	9:55 AM	31	30	1	P	DK	X		
10/7/2022	P3984/4024	N	/	SEOS	FC	10:08 AM	10:13 AM	31	30	1	P	DK	X		
10/7/2022	P4021/4022	E	/	WEOS	FC	9:50 AM	9:55 AM	31	31	0	P	DK	X		
10/7/2022	P4022/4024	E	/	WEOS	FC	10:08 AM	10:13 AM	31	31	0	P	DK	X		
10/7/2022	P4022/4023	E	/	WEOS	FC	10:09 AM	10:14 AM	30	30	0	P	DK	X		
10/7/2022	P4023/4024	N	/	SEOS	FC	10:11 AM	10:16 AM	31	31	0	P	DK	X		
10/7/2022	P4020/4021	N	/	SEOS	FC	10:18 AM	10:23 AM	30	30	0	P	DK	X		
10/7/2022	P3985/4020	E	/	WEOS	FC	10:20 AM	10:25 AM	32	31	1	P	DK	X		
10/7/2022	P4020/4022	E	/	WEOS	FC	10:18 AM	10:23 AM	31	31	0	P	DK	X		
10/7/2022	P3985/3987	E	/	WEOS	FC	10:21 AM	10:26 AM	31	30	1	P	DK	X		
10/7/2022	P3985/3986	N	/	SEOS	FC	10:21 AM	10:26 AM	30	29	1	P	DK	X		
10/7/2022	P3986/4020	N	/	SEOS	FC	-	-	-	-	-	F	DK	X		CAPPED, D-10844
10/7/2022	P3988/3989	E	/	WEOS	FC	10:28 AM	10:33 AM	32	32	0	P	DK	X		
10/7/2022	P3989/3990	N	/	SEOS	FC	10:28 AM	10:33 AM	31	31	0	P	DK	X		
10/7/2022	P3989/3991	E	/	WEOS	FC	10:29 AM	10:34 AM	35	34	1	P	DK	X		
10/7/2022	P3991/3992	W	/	D-10835	FC	10:30 AM	10:35 AM	30	30	0	P	DK		X	
10/7/2022	P3991/3992	D-10835	/	D-10855	FC	11:38 AM	11:43 AM	31	31	0	P	DK		X	
10/7/2022	P3989/4000	E	/	WEOS	FC	10:38 AM	10:43 AM	30	30	0	P	DK	X		
10/7/2022	P3991/4000	N	/	SEOS	FC	10:38 AM	10:43 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
80-mil 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	
10/7/2022	P3992/4000	N	/	SEOS	FC	10:47 AM	10:53 AM	30	30	0	P	DK	X		
10/7/2022	P3992/3994	E	/	WEOS	FC	10:47 AM	10:53 AM	30	30	0	P	DK	X		
10/7/2022	P3994/4000	N	/	SEOS	FC	10:47 AM	10:53 AM	30	30	0	P	DK	X		
10/7/2022	P3994/3999	E	/	WEOS	FC	10:56 AM	11:01 AM	31	31	0	P	DK	X		
10/7/2022	P3999/4000	N	/	SEOS	FC	10:54 AM	10:59 AM	30	30	0	P	DK	X		
10/7/2022	P3998/3999	N	/	SEOS	FC	10:56 AM	11:01 AM	32	32	0	P	DK	X		
10/7/2022	P3994/3998	E	/	SEOS	FC	10:56 AM	11:01 AM	31	30	1	P	DK	X		
10/7/2022	P3997/3998	N	/	SEOS	FC	11:07 AM	11:12 AM	32	32	0	P	DK	X		
10/7/2022	P3993/3998	E	/	WEOS	FC	11:07 AM	11:12 AM	31	31	0	P	DK	X		
10/7/2022	P3993/3997	E	/	WEOS	FC	11:07 AM	11:12 AM	30	30	0	P	DK	X		
10/7/2022	P3993/3994	N	/	SEOS	FC	11:12 AM	11:17 AM	31	31	0	P	DK	X		
10/7/2022	P3992/3993	E	/	WEOS	FC	11:12 AM	11:17 AM	31	31	0	P	DK	X		
10/7/2022	P3993/3996	E	/	WEOS	FC	11:20 AM	11:25 AM	31	31	0	P	DK	X		
10/7/2022	P3996/3997	N	/	SEOS	FC	11:20 AM	11:25 AM	31	30	1	P	DK	X		
10/7/2022	P3995/3996	N	/	SEOS	FC	11:22 AM	11:27 AM	31	31	0	P	DK	X		
10/7/2022	P3993/3995	N	/	SEOS	FC	11:30 AM	11:35 AM	31	31	0	P	DK	X		
10/7/2022	P3992/3995	N	/	SEOS	FC	11:30 AM	11:35 AM	30	30	0	P	DK	X		
10/7/2022	P3991/3992	D-10855	/	EEOS	FC	11:48 AM	11:53 AM	30	30	0	P	DK	X		
10/7/2022	P4000/4001	N	/	SEOS	FC	12:35 PM	12:40 PM	35	35	0	P	DK	X		
10/7/2022	P4001/4002	S	/	NEOS	FC	12:42 PM	12:47 PM	30	30	0	P	DK	X		
10/7/2022	P4001/4003	S	/	NEOS	FC	12:42 PM	12:47 PM	31	31	0	P	DK	X		
10/7/2022	P4002/4003	E	/	WEOS	FC	12:44 PM	12:49 PM	31	31	0	P	DK	X		
10/7/2022	P4002/4004	N	/	SEOS	FC	12:44 PM	12:49 PM	33	32	1	P	DK	X		
10/7/2022	P4003/4004	N	/	SEOS	FC	12:44 PM	12:49 PM	35	35	0	P	DK	X		
10/7/2022	P4004/4005	N	/	SEOS	FC	12:54 PM	12:59 PM	32	31	1	P	DK	X		
10/7/2022	P4005/4006	N	/	SEOS	FC	1:02 AM	1:07 AM	32	32	0	P	DK	X		
10/7/2022	P4006/4007	E	/	WEOS	FC	1:12 AM	1:17 AM	31	31	0	P	DK	X		
10/7/2022	P4005/4007	N	/	SEOS	FC	1:04 AM	1:09 AM	31	30	1	P	DK	X		
10/7/2022	P4006/4008	N	/	SEOS	FC	1:12 AM	1:17 AM	30	29	1	P	DK	X		
10/7/2022	P4007/4008	N	/	SEOS	FC	1:12 AM	1:17 AM	30	30	0	P	DK	X		
10/7/2022	P4008/4009	N	/	SEOS	FC	1:17 AM	1:22 AM	31	31	0	P	DK	X		
10/7/2022	P4009/4010	N	/	SEOS	FC	1:18 AM	1:23 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

80-mil 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	
10/7/2022	P4010/4011	N	/	SEOS	FC	1:20 AM	1:25 AM	30	30	0	P	DK	X		
10/7/2022	P4011/4012	N	/	SEOS	FC	1:24 AM	1:29 AM	31	31	0	P	DK	X		
10/7/2022	P4012/4013	N	/	SEOS	FC	1:25 AM	1:30 AM	30	30	0	P	DK	X		
10/7/2022	P4013/4014	N	/	SEOS	FC	1:33 AM	1:38 AM	32	31	1	P	DK	X		
10/7/2022	P4014/4015	N	/	SEOS	FC	1:37 AM	1:42 AM	35	35	0	P	DK	X		
10/7/2022	P4015/4016	N	/	SEOS	FC	1:42 AM	1:47 AM	31	31	0	P	DK	X		
10/7/2022	P4016/4017	N	/	SEOS	FC	1:53 AM	1:58 AM	32	32	0	P	DK	X		
10/7/2022	P4017/4018	N	/	SEOS	FC	1:54 AM	1:59 AM	34	33	1	P	DK	X		
10/8/2022	P4018/4019	N	/	SEOS	FC	2:04 AM	2:09 AM	32	32	0	P	DK	X		
10/8/2022	P4025/4026	S	/	NEOS	FC	12:32 PM	12:37 PM	34	34	0	P	DK	X		
10/8/2022	P4026/4027	S	/	NEOS	FC	12:42 PM	12:47 PM	34	34	0	P	DK	X		
10/8/2022	P4027/4028	S	/	NEOS	FC	12:44 PM	12:49 PM	31	31	0	P	DK	X		
10/8/2022	P4028/4029	S	/	NEOS	FC	12:45 PM	12:50 PM	34	33	1	P	DK	X		
10/8/2022	P4029/4030	S	/	NEOS	FC	12:47 PM	12:52 PM	33	31	2	P	DK	X		
10/8/2022	P4030/4031	E	/	WEOS	FC	1:02 PM	1:07 PM	31	31	0	P	DK	X		
10/8/2022	P4030/4033	S	/	NEOS	FC	1:04 PM	1:09 PM	32	32	0	P	DK	X		
10/8/2022	P4031/4032	N	/	SEOS	FC	1:02 PM	1:07 PM	32	31	1	P	DK	X		
10/8/2022	P4032/4033	E	/	WEOS	FC	1:04 PM	1:09 PM	31	31	0	P	DK	X		
10/8/2022	P4030/4032	S	/	NEOS	FC	1:02 PM	1:07 PM	30	30	0	P	DK	X		
10/8/2022	P4032/4034	S	/	NEOS	FC	1:09 PM	1:14 PM	30	30	0	P	DK	X		
10/8/2022	P4033/4034	S	/	NEOS	FC	1:09 PM	1:14 PM	31	31	0	P	DK	X		
10/8/2022	P4034/4035	S	/	NEOS	FC	1:19 PM	1:24 PM	31	30	1	P	DK	X		
10/8/2022	P4034/4036	S	/	NEOS	FC	1:19 PM	1:24 PM	30	30	0	P	DK	X		
10/8/2022	P4035/4036	E	/	WEOS	FC	1:19 PM	1:24 PM	31	31	0	P	DK	X		
10/8/2022	P4035/4037	S	/	NEOS	FC	1:22 PM	1:27 PM	30	30	0	P	DK	X		
10/8/2022	P4036/4037	S	/	NEOS	FC	1:22 PM	1:27 PM	31	31	0	P	DK	X		
10/8/2022	P4037/4038	S	/	NEOS	FC	1:40 PM	1:45 PM	31	30	1	P	DK	X		
10/8/2022	P4038/4039	S	/	NEOS	FC	1:50 PM	1:55 PM	30	30	0	P	DK	X		
10/8/2022	P4038/4040	N	/	SEOS	FC	1:50 PM	1:55 PM	31	31	0	P	DK	X		
10/8/2022	P4039/4040	E	/	WEOS	FC	1:53 PM	1:58 PM	31	31	0	P	DK	X		
10/8/2022	P4040/4041	S	/	SEOS	FC	1:57 PM	2:02 PM	30	30	0	P	DK	X		
10/8/2022	P4039/4041	S	/	SEOS	FC	1:53 PM	1:58 PM	31	31	0	P	DK	X		

Cripple Creek Victor Gold Mining Company
Valley Leach Facility 2
Phase 3 Stage A.1 Record of Construction
80-mil 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	
10/8/2022	P4041/4042	S	/	SEOS	FC	2:06 PM	2:11 PM	31	31	0	P	DK	X		
10/8/2022	P4037/4043	E	/	WEOS	FC	1:40 PM	1:45 AM	30	30	0	P	DK	X		
10/18/2022	P4042/4044	E	/	WEOS	FC	6:57 AM	7:02 AM	31	30	1	P	DK	X		
10/18/2022	P4044/4045	E	/	WEOS	FC	7:02 AM	7:07 AM	31	30	1	P	DK	X		
10/18/2022	P4045/4046	E	/	WEOS	FC	7:05 AM	7:10 AM	34	33	1	P	DK	X		
10/18/2022	P4046/4047	E	/	WEOS	FC	7:11 AM	7:16 AM	33	33	0	P	DK	X		
10/18/2022	P4047/4048	W	/	EEOs	FC	7:21 AM	7:26 AM	32	31	1	P	DK	X		
10/18/2022	P4047/4049	E	/	WEOS	FC	7:21 AM	7:26 AM	32	31	1	P	DK	X		
10/18/2022	P4048/4049	W	/	EEOs	FC	7:21 AM	7:26 AM	32	31	1	P	DK	X		
10/18/2022	P4049/4050	E	/	WEOS	FC	7:24 AM	7:29 AM	30	30	0	P	DK	X		
10/18/2022	P4050/4051	E	/	WEOS	FC	7:29 AM	7:34 AM	31	30	1	P	DK	X		
10/18/2022	P4051/4052	E	/	WEOS	FC	7:30 AM	7:35 AM	32	32	0	P	DK	X		
10/18/2022	P4052/4054	E	/	WEOS	FC	7:31 AM	7:36 AM	32	32	0	P	DK	X		
10/18/2022	P4054/4055	E	/	WEOS	FC	7:44 AM	7:49 AM	32	30	2	P	DK	X		
10/18/2022	P4052/4053	E	/	WEOS	FC	7:39 AM	7:44 AM	32	31	1	P	DK	X		
10/18/2022	P4053/4054	S	/	NEOS	FC	7:39 AM	7:44 AM	32	31	1	P	DK	X		
10/18/2022	P4055/4056	E	/	WEOS	FC	7:46 AM	7:51 AM	31	30	1	P	DK	X		
10/18/2022	P4056/4058	E	/	WEOS	FC	7:48 AM	7:53 AM	32	31	1	P	DK	X		
10/18/2022	P4056/4057	E	/	WEOS	FC	7:54 AM	7:59 AM	31	30	1	P	DK	X		
10/18/2022	P4057/4058	N	/	SEOS	FC	7:54 AM	7:59 AM	31	30	1	P	DK	X		
10/18/2022	P4058/4059	E	/	WEOS	FC	8:00 AM	8:05 AM	32	32	0	P	DK	X		
10/18/2022	P4059/4060	E	/	WEOS	FC	8:01 AM	8:06 AM	31	30	1	P	DK	X		
10/18/2022	P4060/4061	E	/	WEOS	FC	8:04 AM	8:09 AM	32	31	1	P	DK	X		
10/18/2022	P4061/4062	E	/	WEOS	FC	8:06 AM	8:11 AM	31	31	0	P	DK	X		
10/18/2022	P4062/4063	E	/	WEOS	FC	8:13 AM	8:18 AM	31	30	1	P	DK	X		
10/18/2022	P4063/4064	E	/	WEOS	FC	8:15 AM	8:20 AM	32	32	0	P	DK	X		
10/18/2022	P4064/4065	E	/	WEOS	FC	8:17 AM	8:22 AM	31	31	0	P	DK	X		
10/18/2022	P4065/4066	E	/	WEOS	FC	8:25 AM	8:30 AM	31	31	0	P	DK	X		
10/18/2022	P4066/4067	E	/	WEOS	FC	8:35 AM	8:40 AM	31	31	0	P	DK	X		
10/18/2022	P4066/4075	E	/	WEOS	FC	8:49 AM	8:54 AM	31	31	0	P	DK	X		
10/18/2022	P4066/4076	E	/	WEOS	FC	8:49 AM	8:54 AM	31	31	0	P	DK	X		
10/18/2022	P4075/4076	N	/	SEOS	FC	8:49 AM	8:54 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
80-mil 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	
10/18/2022	P4076/4077	N	/	SEOS	FC	8:57 AM	9:02 AM	31	31	0	P	DK	X		
10/18/2022	P4076/4075	S	/	NEOS	FC	9:00 AM	9:05 AM	32	32	0	P	DK	X		
10/18/2022	P4067/4075	S	/	NEOS	FC	9:00 AM	9:05 AM	32	32	0	P	DK	X		
10/18/2022	P4067/4074	E	/	WEOS	FC	9:00 AM	9:05 AM	30	29	1	P	DK	X		
10/18/2022	P4074/4075	N	/	SEOS	FC	9:00 AM	9:05 AM	30	30	0	P	DK	X		
10/18/2022	P4073/4074	N	/	SEOS	FC	9:08 AM	9:13 AM	31	30	1	P	DK	X		
10/18/2022	P4072/4073	N	/	SEOS	FC	9:11 AM	9:16 AM	32	32	0	P	DK	X		
10/18/2022	P4067/4072	E	/	WEOS	FC	9:11 AM	9:16 AM	32	31	1	P	DK	X		
10/18/2022	P4067/4073	E	/	WEOS	FC	9:11 AM	9:16 AM	31	31	0	P	DK	X		
10/18/2022	P4067/4068	E	/	WEOS	FC	9:19 AM	9:24 AM	31	31	0	P	DK	X		
10/18/2022	P4068/4072	N	/	SEOS	FC	9:22 AM	9:27 AM	31	31	0	P	DK	X		
10/18/2022	P4069/4072	N	/	SEOS	FC	9:22 AM	9:27 AM	31	31	0	P	DK	X		
10/18/2022	P4068/4069	E	/	WEOS	FC	9:22 AM	9:27 AM	32	32	0	P	DK	X		
10/18/2022	P4069/4070	E	/	WEOS	FC	9:30 AM	9:35 AM	31	31	0	P	DK	X		
10/18/2022	P4070/4072	N	/	SEOS	FC	9:33 AM	9:38 AM	31	31	0	P	DK	X		
10/18/2022	P4070/4071	E	/	WEOS	FC	9:33 AM	9:38 AM	32	32	0	P	DK	X		
10/18/2022	P4071/4072	N	/	SEOS	FC	9:33 AM	9:38 AM	31	31	0	P	DK	X		
10/18/2022	P4076/4078	N	/	SEOS	FC	9:45 AM	9:50 AM	31	30	1	P	DK	X		
10/18/2022	P4077/4078	E	/	WEOS	FC	9:45 AM	9:50 AM	31	31	0	P	DK	X		
10/18/2022	P4075/4076	N	/	SEOS	FC	9:45 AM	9:50 AM	31	31	0	P	DK	X		
10/19/2022	P4085/4086	S	/	NEOS	FC	7:27 AM	7:32 AM	30	29	1	P	DK	X		
10/19/2022	P4072/4085	E	/	WEOS	FC	7:27 AM	7:32 AM	31	31	0	P	DK	X		
10/19/2022	P4072/4086	E	/	WEOS	FC	7:27 AM	7:32 AM	31	31	0	P	DK	X		
10/19/2022	P4071/4085	E	/	WEOS	FC	7:32 AM	7:37 AM	31	31	0	P	DK	X		
10/19/2022	P4084/4085	E	/	WEOS	FC	7:38 AM	7:43 AM	31	31	0	P	DK	X		
10/19/2022	P4084/4086	W	/	EEOS	FC	7:38 AM	7:43 AM	31	31	0	P	DK	X		
10/19/2022	P4073/4086	E	/	WEOS	FC	7:48 AM	7:53 AM	31	31	0	P	DK	X		
10/19/2022	P4074/4086	W	/	EEOS	FC	7:48 AM	7:53 AM	31	31	0	P	DK	X		
10/19/2022	P4075/4084	W	/	EEOS	FC	8:00 AM	8:05 AM	31	30	1	P	DK		X	
10/19/2022	P4075/4084	D-11002	/	EEOS	FC	8:00 AM	8:05 AM	31	31	0	P	DK	X		
10/19/2022	P4076/4084	W	/	EEOS	FC	8:05 AM	8:10 AM	31	30	1	P	DK	X		
10/19/2022	P4078/4084	E	/	WEOS	FC	8:05 AM	8:10 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
80-mil 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	
10/19/2022	P4078/4087	S	/	NEOS	FC	8:15 AM	8:20 AM	31	30	1	P	DK	X		
10/19/2022	P4077/4087	N	/	SEOS	FC	8:15 AM	8:20 AM	31	31	0	P	DK	X		
10/19/2022	P4083/4087	N	/	SEOS	FC	8:25 AM	8:30 AM	31	31	0	P	DK	X		
10/19/2022	P4082/4087	E	/	WEOS	FC	8:33 AM	8:38 AM	31	30	1	P	DK	X		
10/19/2022	P4082/4083	W	/	EEOs	FC	8:40 AM	8:45 AM	31	30	1	P	DK	X		
10/19/2022	P4084/4087	W	/	EEOs	FC	-	-	-	-	-	F	DK	X		CAPPED, D-11008
10/19/2022	P4083/4084	E	/	WEOS	FC	8:25 AM	8:30 AM	31	30	1	P	DK	X		
10/19/2022	P4082/4088	E	/	WEOS	FC	8:56 AM	9:01 AM	31	31	0	P	DK	X		
10/19/2022	P4089/4092	E	/	WEOS	FC	8:56 AM	9:01 AM	31	31	0	P	DK	X		
10/19/2022	P3984/4092	E	/	WEOS	FC	8:56 AM	9:01 AM	31	31	0	P	DK	X		
10/19/2022	P3984/4082	N	/	SEOS	FC	8:56 AM	9:01 AM	31	30	1	P	DK	X		
10/19/2022	P4088/4089	N	/	SEOS	FC	9:03 AM	9:08 AM	31	30	1	P	DK	X		
10/19/2022	P4087/4088	N	/	SEOS	FC	9:05 AM	9:10 AM	30	30	0	P	DK	X		
10/19/2022	P4081/4082	E	/	WEOS	FC	9:15 AM	9:20 AM	31	31	0	P	DK		X	
10/19/2022	P4081/4082	D-11034	/	WEOS	FC	9:17 AM	9:22 AM	31	30	1	P	DK	X		
10/19/2022	P3984/4081	N	/	SEOS	FC	9:29 AM	9:34 AM	31	31	0	P	DK	X		
10/19/2022	P3984/4080	N	/	SEOS	FC	9:29 AM	9:34 AM	31	30	1	P	DK	X		
10/19/2022	P4080/4081	E	/	EEOs	FC	9:29 AM	9:34 AM	31	30	1	P	DK	X		
10/19/2022	P4079/4080	E	/	EEOs	FC	9:39 AM	9:44 AM	31	30	1	P	DK	X		
10/19/2022	P3984/4079	N	/	SEOS	FC	9:39 AM	9:44 AM	31	31	0	P	DK	X		
10/19/2022	P4024/4079	E	/	WEOS	FC	9:41 AM	9:46 AM	31	30	1	P	DK	X		
10/19/2022	P4023/4079	W	/	EEOs	FC	9:45 AM	9:50 AM	31	31	0	P	DK	X		
10/19/2022	P4089/4090	N	/	SEOS	FC	9:57 AM	10:02 AM	31	30	1	P	DK	X		
10/19/2022	P3982/4090	E	/	WEOS	FC	10:00 AM	10:05 AM	31	30	1	P	DK	X		
10/19/2022	P4090/4091	N	/	SEOS	FC	10:05 AM	10:10 AM	31	31	0	P	DK	X		
10/19/2022	P3980/4091	E	/	WEOS	FC	10:14 AM	10:19 AM	31	30	1	P	DK	X		
10/19/2022	P3978/4093	E	/	WEOS	FC	10:14 AM	10:19 AM	31	30	1	P	DK	X		
10/19/2022	P4091/4093	N	/	SEOS	FC	10:14 AM	10:19 AM	31	31	0	P	DK	X		
10/19/2022	P4093/4094	N	/	SEOS	FC	10:28 AM	10:33 AM	31	30	1	P	DK	X		
10/19/2022	P3976/4094	E	/	WEOS	FC	10:41 AM	10:46 AM	31	31	0	P	DK	X		
10/19/2022	P4094/4095	N	/	SEOS	FC	10:41 AM	10:46 AM	31	30	1	P	DK	X		
10/19/2022	P3974/4095	E	/	WEOS	FC	10:41 AM	10:46 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
80-mil 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	
10/19/2022	P4095/4096	N	/	SEOS	FC	10:48 AM	10:53 AM	30	30	0	P	DK	X		
10/19/2022	P3972/4096	E	/	WEOS	FC	10:59 AM	11:04 AM	31	30	1	P	DK	X		
10/19/2022	P4096/4097	S	/	NEOS	FC	10:59 AM	11:04 AM	31	31	0	P	DK		X	
10/19/2022	P4096/4097	D-11038	/	D-11037	FC	11:06 AM	11:11 AM	31	31	0	P	DK		X	
10/19/2022	P4096/4097	D-11037	/	NEOS	FC	11:06 AM	11:11 AM	34	33	1	P	DK	X		
10/19/2022	P3970/4097	E	/	WEOS	FC	10:59 AM	11:04 AM	31	31	0	P	DK	X		
10/19/2022	P4097/4098	S	/	NEOS	FC	11:13 AM	11:18 AM	31	31	0	P	DK	X		
10/19/2022	P3969/4098	E	/	WEOS	FC	11:20 AM	11:25 AM	31	30	1	P	DK	X		
10/19/2022	P4088/4092	S	/	NEOS	FC	-	-	-	-	-	F	DK	X		CAPPED, D-11018
10/19/2022	P4090/4092	S	/	NEOS	FC	-	-	-	-	-	F	DK	X		CAPPED, D-11019
10/19/2022	P4099/4100	W	/	EEOS	FC	3:07 PM	3:12 PM	30	30	0	P	DK	X		
10/19/2022	P4100/4101	N	/	SEOS	FC	3:09 PM	3:14 PM	34	34	0	P	DK	X		
10/19/2022	P4101/4102	W	/	EEOS	FC	3:09 PM	3:14 PM	34	34	0	P	DK	X		
10/19/2022	P4100/4102	W	/	EEOS	FC	3:09 PM	3:14 PM	33	33	0	P	DK	X		
10/19/2022	P4102/4103	W	/	EEOS	FC	3:12 PM	3:17 PM	31	31	0	P	DK	X		
10/19/2022	P4102/4105	S	/	NEOS	FC	3:12 PM	3:17 PM	31	31	0	P	DK	X		
10/19/2022	P4104/4105	W	/	EEOS	FC	3:12 PM	3:17 PM	31	31	0	P	DK	X		
10/19/2022	P4102/4104	S	/	NEOS	FC	3:19 PM	3:24 PM	31	31	0	P	DK	X		
10/19/2022	P4103/4104	W	/	EEOS	FC	3:19 PM	3:24 PM	31	31	0	P	DK	X		
10/19/2022	P4107/4110	W	/	EEOS	FC	-	-	-	-	-	F	DK	X		CAPPED, D-11136
10/19/2022	P4111/4114	N	/	SEOS	FC	3:26 PM	3:31 PM	31	30	1	P	DK	X		
10/19/2022	P4105/4106	S	/	NEOS	FC	3:30 PM	3:35 PM	31	31	0	P	DK	X		
10/19/2022	P4100/4106	W	/	EEOS	FC	3:30 PM	3:35 PM	30	30	0	P	DK	X		
10/19/2022	P4100/4105	E	/	WEOS	FC	3:30 PM	3:35 PM	30	30	0	P	DK	X		
10/19/2022	P4106/4107	W	/	EEOS	FC	3:32 PM	3:37 PM	30	34	-4	P	DK	X		
10/19/2022	P4107/4108	E	/	WEOS	FC	3:35 PM	3:40 PM	34	33	1	P	DK	X		
10/19/2022	P4107/4109	W	/	EEOS	FC	3:35 PM	3:40 PM	33	33	0	P	DK	X		
10/19/2022	P4108/4109	N	/	SEOS	FC	3:35 PM	3:40 PM	34	34	0	P	DK	X		
10/19/2022	P4109/4110	W	/	EEOS	FC	3:38 PM	3:43 PM	31	31	0	P	DK	X		
10/19/2022	P4110/4111	W	/	EEOS	FC	3:40 PM	3:45 PM	34	33	1	P	DK	X		
10/19/2022	P4111/4112	W	/	EEOS	FC	3:42 PM	3:47 PM	33	32	1	P	DK	X		
10/19/2022	P4112/4113	S	/	NEOS	FC	3:43 PM	3:48 PM	32	31	1	P	DK	X		

Cripple Creek Victor Gold Mining Company
Valley Leach Facility 2
Phase 3 Stage A.1 Record of Construction
80-mil 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	
10/19/2022	P4113/4114	S	/	NEOS	FC	3:44 PM	3:49 PM	31	31	0	P	DK	X		
10/19/2022	P4114/4115	S	/	NEOS	FC	3:45 PM	3:50 PM	31	31	0	P	DK	X		
10/19/2022	P4115/4116	S	/	D-11089	FC	3:47 PM	3:52 PM	31	31	0	P	DK	X		
10/19/2022	P4115/4116	D-11089	/	NEOS	FC	3:47 PM	3:52 PM	31	31	0	P	DK	X		
10/19/2022	P4111/4113	W	/	EEOs	FC	3:53 PM	3:58 PM	30	30	0	P	DK	X		
10/19/2022	P4098/4099	S	/	NEOS	FC	12:47 PM	12:52 PM	31	30	1	P	DK	X		
10/20/2022	P3969/4117	N	/	SEOS	FC	1:09 PM	1:14 PM	31	31	0	P	BM	X		
10/20/2022	P3969/4118	S	/	NEOS	FC	1:09 PM	1:14 PM	30	30	0	P	BM	X		
10/20/2022	P4117/4118	W	/	EEOs	FC	1:09 PM	1:14 PM	32	31	1	P	BM	X		
10/20/2022	P4118/4119	S	/	NEOS	FC	1:13 PM	1:18 PM	31	31	0	P	BM	X		
10/20/2022	P4117/4119	N	/	SEOS	FC	1:13 PM	1:18 PM	32	32	0	P	BM	X		
10/20/2022	P4119/4121	N	/	SEOS	FC	1:26 PM	1:31 PM	30	30	0	P	BM	X		
10/20/2022	P4120/4121	S	/	NEOS	FC	1:26 PM	1:31 PM	30	30	0	P	BM	X		
10/20/2022	P4119/4120	E	/	WEOS	FC	1:26 PM	1:31 PM	31	31	0	P	BM	X		
10/20/2022	P4118/4120	S	/	NEOS	FC	1:28 PM	1:33 PM	31	30	1	P	BM	X		
10/20/2022	P4121/4122	W	/	EEOs	FC	1:31 PM	1:36 PM	30	30	0	P	BM	X		
10/20/2022	P4121/4123	N	/	SEOS	FC	1:31 PM	1:36 PM	30	30	0	P	BM	X		
10/20/2022	P4122/4123	S	/	NEOS	FC	1:36 PM	1:41 PM	31	31	0	P	BM	X		
10/20/2022	P4120/4122	S	/	NEOS	FC	1:37 PM	1:42 PM	31	30	1	P	BM	X		
10/20/2022	P4123/4124	N	/	SEOS	FC	1:46 PM	1:51 PM	31	31	0	P	BM	X		
10/20/2022	P4124/4125	S	/	NEOS	FC	1:53 PM	1:58 PM	31	31	0	P	BM	X		
10/20/2022	P4124/4126	N	/	SEOS	FC	1:53 PM	1:58 PM	31	31	0	P	BM	X		
10/20/2022	P4125/4126	N	/	SEOS	FC	-	-	-	-	-	F	BM	X		CAPPED, D-11124
10/20/2022	P4126/4128	N	/	SEOS	FC	1:55 PM	2:00 PM	34	34	0	P	BM	X		
10/20/2022	P4125/4128	S	/	NEOS	FC	1:55 PM	2:00 PM	30	30	0	P	BM	X		
10/20/2022	P4126/4127	S	/	NEOS	FC	2:02 PM	2:07 PM	31	30	1	P	BM	X		
10/20/2022	P4127/4128	W	/	EEOs	FC	2:02 PM	2:07 PM	31	31	0	P	BM	X		
10/20/2022	P4127/4129	S	/	NEOS	FC	2:04 PM	2:09 PM	31	31	0	P	BM	X		
10/20/2022	P4128/4129	N	/	SEOS	FC	2:07 PM	2:12 PM	30	30	0	P	BM	X		
10/20/2022	P4131/4132	W	/	EEOs	FC	3:35 PM	3:40 PM	31	30	1	P	BM	X		
10/20/2022	P4130/4131	S	/	NEOS	FC	3:35 PM	3:40 PM	31	31	0	P	BM	X		
10/20/2022	P4130/4132	N	/	SEOS	FC	3:35 PM	3:40 PM	32	31	1	P	BM	X		

Cripple Creek Victor Gold Mining Company
Valley Leach Facility 2
Phase 3 Stage A.1 Record of Construction
80-mil 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	
10/20/2022	P4129/4130	S	/	NEOS	FC	3:38 PM	3:43 PM	31	31	0	P	BM	X		
10/20/2022	P4115/4130	E	/	WEOS	FC	3:42 PM	3:47 PM	31	30	1	P	BM	X		
10/20/2022	P4116/4130	E	/	WEOS	FC	-	-	-	-	-	F	BM	X		CAPPED, D-11132
10/20/2022	P4116/4132	W	/	EEOS	FC	3:42 PM	3:47 PM	31	30	1	P	BM	X		
10/20/2022	P4115/4129	W	/	EEOS	FC	-	-	-	-	-	F	BM	X		CAPPED, D-11137
10/20/2022	P4114/4129	E	/	EEOS	FC	3:44 PM	3:49 PM	31	30	1	P	BM	X		
10/20/2022	P4114/4128	E	/	EEOS	FC	-	-	-	-	-	F	BM	X		CAPPED, D-11130
10/20/2022	P4113/4128	W	/	EEOS	FC	3:44 PM	3:49 PM	31	30	1	P	BM	X		
10/20/2022	P4113/4125	W	/	EEOS	FC	3:46 PM	3:51 PM	31	29	2	P	BM	X		
10/20/2022	P4112/4125	E	/	WEOS	FC	3:46 PM	3:51 PM	31	30	1	P	BM	X		
10/20/2022	P4112/4124	N	/	SEOS	FC	3:51 PM	3:56 PM	31	31	0	P	BM	X		
10/20/2022	P4111/4124	E	/	WEOS	FC	3:51 PM	3:56 PM	31	30	1	P	BM	X		
10/20/2022	P4110/4124	W	/	EEOS	FC	3:53 PM	3:58 PM	31	29	2	P	BM	X		
10/20/2022	P4110/4123	E	/	WEOS	FC	3:53 PM	3:58 PM	31	30	1	P	BM	X		
10/20/2022	P4109/4123	W	/	EEOS	FC	3:55 PM	4:00 PM	31	31	0	P	BM	X		
10/20/2022	P4108/4122	E	/	WEOS	FC	3:55 PM	4:00 PM	31	31	0	P	BM	X		
10/20/2022	P4109/4122	E	/	WEOS	FC	-	-	-	-	-	F	BM	X		CAPPED, D-11110
10/20/2022	P4107/4120	N	/	SEOS	FC	4:05 PM	4:10 PM	31	31	0	P	BM	X		
10/20/2022	P4106/4120	N	/	SEOS	FC	-	-	-	-	-	F	BM	X		CAPPED, D-11107
10/20/2022	P4100/4120	E	/	WEOS	FC	4:07 PM	4:12 PM	31	31	0	P	BM	X		
10/20/2022	P4099/4118	W	/	EEOS	FC	4:07 PM	4:12 PM	31	31	0	P	BM	X		
10/22/2022	P4138/4139	S	/	D-11151	FC	8:36 AM	8:41 AM	31	30	1	P	DK		X	
10/22/2022	P4138/4139	D-11151	/	NEOS	FC	8:43 AM	8:48 AM	34	33	1	P	DK	X		
10/22/2022	P4137/4138	S	/	NEOS	FC	8:34 AM	8:39 AM	33	32	1	P	DK	X		
10/22/2022	P4134/4135	S	/	NEOS	FC	8:30 AM	8:35 AM	32	32	0	P	DK	X		
10/22/2022	P4136/4137	S	/	NEOS	FC	8:32 AM	8:37 AM	31	31	0	P	DK	X		
10/22/2022	P4135/4136	S	/	NEOS	FC	8:31 AM	8:36 AM	34	34	0	P	DK	X		
10/22/2022	P4133/4134	S	/	NEOS	FC	8:25 AM	8:30 AM	30	29	1	P	DK	X		
10/22/2022	P4132/4133	N	/	SEOS	FC	9:12 AM	9:17 AM	31	31	0	P	DK	X		
10/22/2022	P4116/4133	S	/	NEOS	FC	9:12 AM	9:17 AM	31	31	0	P	DK	X		



APPENDIX K.7 – 80-MIL GEOMEMBRANE DEFECT/REPAIR SUMMARY

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/05/22	D10775	P-3969/3970	10' N OF SEOS	DF-1390	10/07/22	11:48 AM	2X5	DF-1390	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10776	P-3970/3971	10' N OF SEOS	DF-1391	10/07/22	11:38 AM	2X5	DF-1391	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10777	P-3970/3972/3973	INT	INT	10/07/22	11:29 AM	2X6	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10778	P-3971/3972	10' W OF EEOS	DF-1392	10/07/22	11:17 AM	2X5	DF-1392	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10779	P-3971/3972/3973	INT	INT	10/07/22	11:05 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10780	P-3972/3973/3974	INT	INT	10/07/22	10:59 AM	2X3	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10781	P-3974	7' N OF SEOS/12'E	DO	10/07/22	10:45 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10782	P-3974	14' N OF SEOS/12'E	DO	10/07/22	10:42 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10783	P-3974	21' N OF SEOS/12'E	DO	10/07/22	10:38 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10784	P-3970/3972	211' N OF SEOS	IO	10/07/22	1:34 PM	2X4	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10785	P-3973/3974/3975	INT	INT	10/07/22	10:52 AM	2X3	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10786	P-3974/3975/3976	INT	INT	10/07/22	10:29 AM	3X9	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10787	P-3974/3976	20' N OF SEOS	DF-1393	10/07/22	10:17 AM	3X8	DF-1393	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10788	P-3975/3976/3977	INT	INT	10/07/22	9:49 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10789	P-3976/3977/3978	INT	INT	10/07/22	9:44 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10790	P-3976/3978	20' N OF SEOS	DF-1395	10/07/22	9:58 AM	2X5	DF-1395	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10791	P-3977/3978	10' N OF SEOS	DF-1396	10/07/22	12:00 PM	2X5	DF-1394	SR	4	10/10/22	JR/JM	BM	P	
10/05/22	D10792	P-3977/3978/3979	INT	INT	10/07/22	9:38 AM	2X3	P	JLO	1	10/10/22	JR/JM	BM	P	
10/05/22	D10793	P-3978/3979/3980	INT	INT	10/07/22	9:33 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10794	P-3979/3980/3981	INT	INT	10/07/22	9:26 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10795	P-3980/3981/3982	INT	INT	10/07/22	9:21 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10796	P-3981/3983/3984	INT	INT	10/07/22	2:08 PM	2X3	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10797	P-3981/3982/3984	INT	INT	10/07/22	9:13 AM	4X5	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10798	P-3985/3986/3987	INT	INT	10/07/22	1:20 PM	3X3	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10799	P-3985/3986	21' N OF SEOS	DF-1397	10/07/22	-	-	-	-	-	-	-	-	-	COVERED BY D10845
10/06/22	D10800	P-3982/3984	58' N OF SEOS	DF-1396	10/07/22	14:01	2X5	DF-1396	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10801	P-3984/3986/3987	INT	INT	10/07/22	10:25 AM	2X3	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10802	P-3984/3987/3988	INT	INT	10/07/22	10:02 AM	4X15	CAP	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10803	P-3984/3988/3990	INT	INT	10/07/22	1:30 PM	3X4	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10804	P-3988/3989/3990	INT	INT	10/07/22	2:30 PM	2X2	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10805	P-3989/3990/3991	INT	INT	10/07/22	2:35 PM	3X3	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10806	P-3992/3993/3994	INT	INT	10/07/22	2:48 PM	2X4	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10807	P-3990/3991	45' W of E EOS	DF-1398	10/07/22	2:23 PM	2X5	DF-1398	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10808	P-3984/3990/3991	INT	INT	10/07/22	1:40 PM	3X9	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10809	P-3984/3991/3995	INT	INT	10/07/22	2:00 PM	3X6	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10810	P-3983/3984/3995	INT	INT	10/07/22	2:21 PM	2X4	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10811	P-3984	8' W OF EEOS/ 1' N	DO	10/07/22	2:14 PM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/06/22	D10812	P-3981/3982	50' N OF SEOS	DF-1399	10/07/22	2:10 PM	2X5	DF-1399	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10813	P-3995/3996	46' N OF SEOS	DF-1400	10/07/22	2:56 PM	2X5	DF-1400	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10814	P-3984/3995	8' N OF SEOS	IO	10/07/22	2:27 PM	2X4	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10815	P-3991/3992/3995	INT	INT	10/07/22	2:12 PM	3X7	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10816	P-3992/3993/3995	INT	INT	10/07/22	2:38 PM	4X4	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10817	P-3993/3995/3996	INT	INT	10/07/22	2:47 PM	5X5	DF-1401	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10818	P-3998/3999	77' N OF SEOS	DF-1401	10/08/22	7:55 AM	4X7	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10819	P-3993/3996/3997	INT	INT	10/07/22	1:06 PM	4X5	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10820	P-3993/3997/3998	INT	INT	10/08/22	7:40 AM	2X4	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10821	P-3993/3994/3998	INT	INT	10/08/22	7:33 AM	2X3	P	JLO	1	10/10/22	JR/JM	BM	P	
10/06/22	D10822	P-3994/3998/3999	INT	INT	10/08/22	-	-	-	-	-	-	-	-	-	COVERED BY D10818
10/06/22	D10823	P-3994/3999/4000	INT	INT	10/08/22	8:07 AM	2X6	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10824	P-3992/3994/4000	INT	INT	10/08/22	7:47 AM	2X2	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10825	P-3991/3992/4000	INT	INT	10/07/22	3:10 PM	4X4	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10826	P-3989/3991/4000	INT	INT	10/07/22	3:15 PM	2X3	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10827	P-4000/4001	125' N OF SEOS	DF-1402	10/08/22	7:40 AM	3X4	DF-1402	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10828	P-4001/4002/4003	INT	INT	10/08/22	8:12 AM	3X6	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10829	P-4002/4003/4004	INT	INT	10/08/22	8:16 AM	2X3	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10830	P-4005/4006	20' N OF SEOS	DF-1403	10/08/22	8:35 AM	2X5	DF-1403	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10831	P-4005/4006/4007	INT	INT	10/08/22	8:47 AM	4X6	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10832	P-4006/4007/4008	INT	INT	10/08/22	9:06 AM	2X2	P	WL	83	10/10/22	JR/JM	BM	P	
10/06/22	D10833	P-4008/4009/TIE	INT	INT	10/08/22	10:40 AM	8X14	CAP	SR	4	10/10/22	JR/JM	BM	P	
10/06/22	D10834	P-4014/4015	53' S OF NEOS	DF-1404	10/08/22	10:34 AM	2X5	DF-1404	WL	83	10/10/22	JR/JM	BM	P	
10/07/22	D10835	P-3991/3992	7' W OF EEOS	PT	10/07/22	3:05 PM	2X3	P	WL	83	10/10/22	JR/JM	BM	P	
10/07/22	D10836	TIE/3979/3981	INT	INT	10/08/22	10:00 AM	2X9	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10837	P-3983/3985/TIE	INT	INT	10/08/22	10:32 AM	3x10	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10838	P-3984/3986/4021	E - 22' W	FS	10/07/22	10:38 AM	4x22	CAP	WL	83	10/10/22	JR/JM	BM	P	
10/07/22	D10839	P-3984/4021/4022	INT	INT	10/07/22	11:00 AM	3x6	P	WL	83	10/10/22	JR/JM	BM	P	
10/07/22	D10840	P-3984/4024	INT	INT	10/07/22	-	-	P	-	-	-	-	-	-	COVERED BY D10847
10/07/22	D10841	P-4022/4023/4024	INT	INT	10/07/22	-	-	P	-	-	-	-	-	-	COVERED BY D10847
10/07/22	D10842	P-4020/4021/4022	INT	INT	10/07/22	1:10 PM	2x3	P	WL	83	10/10/22	JR/JM	BM	P	
10/07/22	D10843	P-3973/3975/TIE	INT	INT	10/07/22	10:10 AM	3x3	P	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10844	P-3985/3986/4020	INT	INT	10/07/22	-	-	-	-	-	-	-	-	-	COVERED BY D10845
10/07/22	D10845	P-3985/4020	2' W OF EEOS	DF-1405	10/07/22	1:10 PM	7x10	DF-1405	WL	83	10/10/22	JR/JM	BM	P	COVERS D10844/10799
10/07/22	D10846	P-3986/D-10839	4' W OF EEOS	DX-276	10/07/22	1:09 PM	2x5	DX-276	WL	83	10/10/22	JR/JM	BM	P	
10/07/22	D10847	P-4022/4024	E - W	FS	10/07/22	11:18 AM	3x12	CAP	WL	83	10/10/22	JR/JM	BM	P	COVERS D10840/10841
10/07/22	D10848	P-3969/3970/TIE	INT	INT	10/07/22	1:25 PM	2x2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10849	P-3970/3971/TIE	INT	INT	10/07/22	1:07 PM	2x2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10850	P-3971/3973/TIE	INT	INT	10/07/22	12:50 PM	2X3	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10851	P-3975/3977/TIE	INT	INT	10/07/22	10:18 AM	2X2	P	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10852	P-3977/3979/TIE	INT	INT	10/07/22	10:34 AM	2X2	P	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10853	P-3981/3983/TIE	INT	INT	10/08/22	9:31 AM	2X3	P	JLO	1	10/10/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/07/22	D10854	P-3995/3996/TIE	INT	INT	10/08/22	8:44 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10855	3991/3992	24' E OF WEOS	PT	10/07/22	2:40 PM	2X5	P	WL	83	10/10/22	JR/JM	BM	P	
10/07/22	D10856	TIE/3996	11' W OF EEOS	DX-278	10/08/22	1:13 PM	2X5	DX-278	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10857	TIE/3996/3997	INT	INT	10/08/22	1:08 PM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10858	TIE/3997/3998	INT	INT	10/08/22	11:42 AM	2X2	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10859	TIE/3998/3999	INT	INT	10/08/22	11:19 AM	2X4	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10860	TIE/3999/4000	INT	INT	10/08/22	10:57 AM	2X4	P	JLO	1	10/10/22	JR/JM	BM	P	
10/07/22	D10861	TIE/4000/4001	INT	INT	10/08/22	8:05 AM	3X7	P	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10862	TIE/4001/4003	INT	INT	10/08/22	8:30 AM	2X5	P	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10863	TIE/4003/4004	INT	INT	10/08/22	8:45 AM	2X2	P	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10864	TIE/4004/4005	INT	INT	10/08/22	9:05 AM	2X2	P	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10865	TIE/4005/4007	INT	INT	10/08/22	9:30 AM	2X2	P	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10866	TIE/4007	21' W OF EEOS	DX-277	10/08/22	11:20 AM	2X5	DX-277	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10867	TIE/4007/4008	INT	INT	10/08/22	10:00 AM	2X5	P	SR	4	10/10/22	JR/JM	BM	P	
10/07/22	D10868	TIE/4009/4010	INT	INT	10/08/22	12:40 PM	2x3	p	SR	4	10/11/22	JR/JM	BM	P	
10/07/22	D10869	TIE/4010/4011	INT	INT	10/08/22	1:15 PM	2x7	p	SR	4	10/11/22	JR/JM	BM	P	
10/07/22	D10870	TIE/4011/4012	INT	INT	10/08/22	1:40 PM	2x4	p	SR	4	10/11/22	JR/JM	BM	P	
10/07/22	D10871	TIE/4012	9' W OF EEOS	DO	10/08/22	10:16 AM	2x4	p	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10872	TIE/4012/4013	INT	INT	10/08/22	10:33 AM	2x3	p	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10873	TIE/4013	12' W OF EEOS	DO	10/08/22	10:47 AM	2x2	p	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10874	TIE/4013/4014	INT	INT	10/08/22	10:55 AM	2x3	p	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10875	TIE/4014	13' W OF EEOS	DO	10/08/22	11:06 AM	2x2	p	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10876	TIE/4014	5' E OF WEOS	DX-279	10/08/22	1:08 PM	2x5	DX-279	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10877	TIE/4014/4015	INT	INT	10/08/22	11:18 AM	3x4	P	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10878	TIE/4015	15' W OF EEOS	DO	10/08/22	1:22 PM	2x2	P	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10879	TIE 4015/4016	INT	INT	10/08/22	1:26 PM	3x6	P	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10880	TIE/4016/4017	INT	INT	10/08/22	1:46 PM	2x2	P	WL	83	10/11/22	JR/JM	BM	P	
10/07/22	D10881	TIE/4017/4018	INT	INT	10/08/22	2:10 PM	2x3	P	SR	4	10/11/22	JR/JM	BM	P	
10/07/22	D10882	TIE/4018/4019	INT	INT	10/08/22	2:00 PM	3x5	P	SR	4	10/11/22	JR/JM	BM	P	
10/10/22	D10883	P-4025/4026	3' N OF SEOS	DF-1406	10/22/22	3:59 PM	2X5	P	JLO	1	10/22/22	JR/JM	BM	P	
10/10/22	D10884	P-4028/4029	5' N OF SEOS	DF-1407	10/22/22	2:33 PM	2X5	P	WL	83	10/22/22	JR/JM	BM	P	
10/10/22	D10885	P-4030/4032/4033	INT	INT	10/22/22	2:42 PM	2X2	P	WL	83	10/22/22	JR/JM	BM	P	
10/10/22	D10886	P-4030/4031/4032	INT	INT	10/22/22	2:46 PM	2X2	P	WL	83	10/22/22	JR/JM	BM	P	
10/10/22	D10887	P-4032/4033/4034	INT	INT	10/22/22	3:54 PM	2X2	P	WL	83	10/22/22	JR/JM	BM	P	
10/10/22	D10888	P-4030/4032	AT	DO	10/22/22	2:24 PM	2X2	P	JLO	1	10/22/22	JR/JM	BM	P	
10/10/22	D10889	P-4034/4035/4036	INT	INT	10/22/22	3:00 PM	2X3	P	WL	83	10/22/22	JR/JM	BM	P	
10/10/22	D10890	P-4034/4036	100' N OF SEOS	DF-1408	10/22/22	2:21 PM	2X5	P	WL	83	10/22/22	JR/JM	BM	P	
10/10/22	D10891	P-4035/4036/4037	INT	INT	10/22/22	-	-	-	-	-	-	-	-	-	COVERED BY D10892
10/10/22	D10892	P-4035/4037	20' N OF SEOS	DF-1409	10/22/22	3:08 PM	3X6	P	WL	83	10/22/22	JR/JM	BM	P	
10/10/22	D10893	P-4033/4034	AT	BO	10/22/22	2:19 PM	2X2	P	JLO	1	10/22/22	JR/JM	BM	P	
10/10/22	D10894	P-4037/4038	AT	BO	10/22/22	2:35 PM	2X2	P	SR	4	10/22/22	JR/JM	BM	P	
10/10/22	D10895	P-4037/4038	14' N OF SEOS	DF-1410	10/22/22	2:13 PM	2X5	P	WL	83	10/22/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/10/22	D10896	P-4038/4039/4040	INT	INT	10/22/22	3:45 PM	3X3	P	SR	4	10/22/22	JR/JM	BM	P	
10/10/22	D10897	P-4039/4040/4041	INT	INT	10/22/22	3:35 PM	2X2	P	SR	4	10/22/22	JR/JM	BM	P	
10/10/22	D10898	P-137/138/4042	INT	INT	10/22/22	3:00 PM	2X2	P	SR	4	10/22/22	JR/JM	BM	P	
10/10/22	D10899	P-137/4041/4042	INT	INT	10/10/22	3:05 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/10/22	D10900	P-136/137/4041	INT	INT	10/10/22	3:08 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/10/22	D10901	P-135/136/4040/4041	INT	INT	10/10/22	3:25 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/10/22	D10902	P-100/135/4040	INT	INT	10/10/22	3:35 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/10/22	D10903	P-100/1038/4040	INT	INT	10/10/22	3:40 PM	2X3	P	SR	4	10/22/22	FC	BM	P	
10/10/22	D10904	P-95/96/100/4038	INT	INT	10/10/22	3:45 PM	3X4	P	SR	4	10/22/22	FC	BM	P	
10/10/22	D10905	P-95/4037/4038/4043	INT	INT	10/17/22	9:20 AM	2X11	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10906	P-94/95/4043	INT	INT	10/17/22	9:31 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10907	P-94/4035/4037/4043	INT	INT	10/10/22	3:24 PM	3X8	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10908	P-93/94/4035	INT	INT	10/10/22	3:27 PM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10909	P-93/4034/4035	INT	INT	10/10/22	3:39 PM	2X3	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10910	P-83/93/4034	INT	INT	10/10/22	3:44 PM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10911	P-83/84/4032/4034	INT	INT	10/17/22	9:27 AM	2X4	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10912	P-84/85/4031/4032	INT	INT	10/17/22	9:10 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10913	P-85/86/4031	INT	INT	10/17/22	9:32 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10914	P-86/4029/4030/4031	INT	INT	10/17/22	9:23 AM	2X3	P	WL	83	10/22/22	FC	BM	P	
10/10/22	D10915	P-86/87/4029	INT	INT	10/17/22	9:34 AM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/10/22	D10916	P-87/4028/4029	INT	INT	10/17/22	9:29 AM	5X7	P	JLO	1	10/22/22	FC	BM	P	
10/10/22	D10917	P-87/88/4028	INT	INT	10/17/22	9:16 AM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/10/22	D10918	P-88/4027/4028	INT	INT	10/17/22	9:11 AM	3X4	P	JLO	1	10/22/22	FC	BM	P	
10/10/22	D10919	P-88/89/4027	INT	INT	10/10/22	2:42 PM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/10/22	D10920	P-89/4026/4027	INT	INT	10/10/22	3:15 PM	2X4	P	JLO	1	10/22/22	FC	BM	P	
10/10/22	D10921	P-90/4025/4026	INT	INT	10/10/22	4:05 PM	2X4	P	JLO	1	10/22/22	FC	BM	P	
10/10/22	D10922	P-82/90/4025	INT	INT	10/10/22	4:10 PM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/10/22	D10923	P-89/901/4026	INT	INT	10/10/22	3:39 PM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10924	P-4044/4045	34' W OF EOS	DF-1411	10/18/22	10:58 AM	2X5	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10925	P-4045/4046	@Anchor Trench	BO	10/21/22	2:20 PM	5X7	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10926	P-4046/4047	50' E OF WEOS	DF-1412	10/18/22	11:55 AM	2X5	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10927	P-4047/4048/4049	INT	INT	10/21/22	1:58 PM	2X3	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10928	P-4052/4053/4054	INT	INT	10/21/22	2:00 PM	2X4	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10929	P-4056/4057/4058	INT	INT	10/21/22	1:32 PM	2X4	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10930	P-4052/4053	12' E OF WEOS	DO	10/21/22	1:45 PM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10931	P-4059/4060	3' E OF WEOS	DF-1413	10/21/22	1:22 PM	2X7	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10932	P-4056/4066	77' E OF WEOS	DF-1414	10/18/22	11:40 AM	2X5	P	WL	83	10/22/22	FC	BM	P	
10/17/22	D10933	P-4066/4067	41' E OF WEOS	DF-1415	10/21/22	11:49 AM	2X5	P	JLO	1	10/22/22	FC	BM	P	
10/17/22	D10934	P-4066/4076/4077	INT	INT	10/19/22	1:39 PM	3X4	P	WL	83	10/22/22	AG	BM	P	
10/17/22	D10935	P-4066/4075/4076	INT	INT	10/21/22	10:35 AM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/17/22	D10936	P-4066/4067/4075	INT	INT	10/21/22	10:57 AM	2X11	P	JLO	1	10/22/22	AG	BM	P	
10/17/22	D10937	P-4067/4074/4075	INT	INT	10/21/22	11:05 AM	3X4	P	JLO	1	10/22/22	AG	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/17/22	D10938	P-4067/4073/4074	INT	INT	10/21/22	11:12 AM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/17/22	D10939	P-4067/4072/4073	INT	INT	10/21/22	11:18 AM	2X3	P	JLO	1	10/22/22	AG	BM	P	
10/17/22	D10940	P-4067/4068/4072	INT	INT	10/21/22	11:28 AM	3X5	P	JLO	1	10/22/22	AG	BM	P	
10/17/22	D10941	P-4068/4069/4072	INT	INT	10/21/22	11:34 AM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/17/22	D10942	P-4069/4070/4072	INT	INT	10/21/22	11:38 AM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/17/22	D10943	P-4070/4071/4072	INT	INT	10/21/22	8:10 AM	3X3	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10944	P-4075/4076	84' S OF NEOS	DF-1416	10/21/22	9:15 AM	2X5	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10945	P-4076/4077/4078	INT	INT	10/21/22	10:29 AM	3X3	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10946	P-161/4065/4066	INT	INT	10/18/22	9:46 AM	2X2	P	WL	83	10/22/22	AG	BM	P	
10/18/22	D10947	P-160/161/4065	INT	INT	10/18/22	9:49 AM	2X2	P	WL	83	10/22/22	AG	BM	P	
10/18/22	D10948	P-159/160/4065	INT	INT	10/18/22	10:13 AM	2X2	P	WL	83	10/22/22	AG	BM	P	
10/18/22	D10949	P-159/4064/4065	INT	INT	10/18/22	10:17 AM	3X3	P	WL	83	10/22/22	AG	BM	P	
10/18/22	D10950	P-158/159/4064	INT	INT	10/18/22	10:24 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/18/22	D10951	P-158/4063/4064	INT	INT	10/18/22	10:28 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/18/22	D10952	P-157/158/4063	INT	INT	10/18/22	10:40 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/18/22	D10953	P-157/4062/4063	INT	INT	10/18/22	11:03 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/18/22	D10954	P-156/157/4062	INT	INT	10/18/22	11:06 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/18/22	D10955	P-155/156/4061/4062	INT	INT	10/18/22	9:40 AM	2X4	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10956	P-154/155/4061	INT	INT	10/18/22	9:50 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10957	P-154/4060/4061	INT	INT	10/18/22	10:05 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10958	P-153/154/4060	INT	INT	10/18/22	10:23 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10959	P-153/4059/4060	INT	INT	10/18/22	10:25 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10960	P-152/4058/4059	INT	INT	10/18/22	10:32 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10961	P-151/152/4056/4058	INT	INT	10/18/22	10:35 AM	2X3	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10962	P-150/151/4055/4056	INT	INT	10/18/22	10:50 AM	2X4	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10963	P-149/150/4054/4055	INT	INT	10/18/22	10:55 AM	3X3	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10964	P-149/4052/4054	INT	INT	10/18/22	11:00 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10965	P-148/149/4052	INT	INT	10/18/22	11:03 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10966	P-148/4051/4052	INT	INT	10/18/22	11:15 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10967	P-147/148/4051	INT	INT	10/18/22	11:17 AM	2X3	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10968	P-147/4050/4051	INT	INT	10/18/22	11:25 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10969	P-146/147/4050	INT	INT	10/18/22	11:27 AM	3X4	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10970	P-145/146/4049/4050	INT	INT	10/18/22	11:40 AM	3X4	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10971	P-144/145/4048/4049	INT	INT	10/18/22	11:55 AM	2X4	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10972	P-144/4047/4048	INT	INT	10/18/22	11:58 AM	2X3	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10973	P-143/144/4047	INT	INT	10/18/22	11:38 AM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/18/22	D10974	P-142/143/4046/4047	INT	INT	10/18/22	11:28 AM	2X3	P	JLO	1	10/22/22	FC	BM	P	
10/18/22	D10975	P-141/142/4046	INT	INT	10/18/22	11:11 AM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/18/22	D10976	P-141/4045/4046	INT	INT	10/18/22	11:08 AM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/18/22	D10977	P-140/4044/4045	INT	INT	10/18/22	10:03 AM	2X3	P	JLO	1	10/22/22	FC	BM	P	
10/18/22	D10978	P-139/140/4044	INT	INT	10/18/22	9:55 AM	2X2	P	JLO	1	10/22/22	FC	BM	P	
10/18/22	D10979	P-4044	11' W OF EEOS/5' N	DO	10/18/22	9:45 AM	2X2	P	JLO	1	10/22/22	FC	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/18/22	D10980	P-138/139/4043/4044	INT	INT	10/18/22	9:33 AM	3X4	P	JLO	1	10/22/22	FC	BM	P	
10/18/22	D10981	P-161/162/4066	INT	INT	10/18/22	9:21 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/18/22	D10982	P-152/153/4059	INT	INT	10/18/22	10:30 AM	2X3	P	SR	4	10/22/22	FC	BM	P	
10/18/22	D10983	P-140/141/4045	INT	INT	10/18/22	10:50 AM	5X15	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10984	P-156/4062	14' N OF SEOS	DX-280	10/21/22	1:02 PM	2X5	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10985	P-144/4048	3' E OF WEOS	DX-281	10/21/22	2:04 PM	2X5	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10986	P-143/4047	19' W OF EEOS	DX-282	10/21/22	2:11 PM	2X5	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10987	P-4023/4049	89' W OF EEOS	DF-1418	10/20/22	3:10 PM	2X5	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10988	P-4083	3' E OF WEOS/8' S	DO	10/20/22	3:59 PM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10989	P-4083	12' E OF WEOS/8' S	DO	10/20/22	3:50 PM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10990	P-4083	19' E OF WEOS/8' S	DO	10/20/22	3:42 PM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10991	P-4083	26' E OF WEOS/8' S	DO	10/20/22	3:39 PM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10992	P-4083	33' E OF WEOS/8' S	DO	10/20/22	3:39 PM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10993	P-4083	40' E OF WEOS/8' S	DO	10/20/22	3:36 PM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10994	P-4083	47' E OF WEOS/8' S	DO	10/20/22	3:32 PM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10995	P-4083	54' E OF WEOS	DO	10/20/22	3:29 PM	2X2	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10996	P-4071/4072/4085	INT	INT	10/21/22	8:05 AM	2X3	P	JLO	1	10/22/22	AG	BM	P	
10/18/22	D10997	P-4072/4085/4086	INT	INT	10/21/22	8:03 AM	3X10	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D10998	P-4084/4085/4086	INT	INT	10/21/22	7:56 AM	2X3	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D10999	P-4072/4073/4086	INT	INT	10/21/22	8:21 AM	3X4	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11000	P-4073/4074/4086	INT	INT	10/21/22	8:31 AM	2X5	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11001	P-4074/4075/4084/4086	INT	INT	10/21/22	8:49 AM	2X2	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11002	P-4075/4084	6' E OF WEOS	BO	10/21/22	8:59 AM	2X4	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11003	P-4075/4076/4084	INTERSECTION	INT	10/21/22	9:06 AM	3X4	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11004	P-4076/4084	10' E OF WEOS	DF-1420	10/21/22	9:23 AM	2X5	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11005	P-4076/4078/4084	INT	INT	10/21/22	9:29 AM	2X2	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11006	P-4077/4078/4087	INT	INT	10/21/22	10:23 AM	2X4	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11007	P-4078/4084/4087	INT	INT	10/21/22	-	-	-	-	-	-	-	-	-	COVERED BY D11035
10/18/22	D11008	P-4083/4084/4087	INT	INT	10/21/22	-	-	-	-	-	-	-	-	-	COVERED BY D11035
10/18/22	D11009	P-4082/4083/4087	INT	INT	10/21/22	10:15 AM	4X4	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11010	P-4082/4087/4088	INT	INT	10/21/22	2:04 PM	3X5	P	JLO	1	10/24/22	AG	BM	P	
10/18/22	D11011	P-4080/4081	10' W OF EEOS	DF-1417	10/20/22	2:35 PM	2X5	DF-1417	JLO	1	10/24/22	FC	BM	P	
10/18/22	D11012	P-4087/4088	60' N OF SEOS	DF-1419	10/21/22	3:00 PM	2X5	DF-1419	JLO	1	10/24/22	FC	BM	P	
10/18/22	D11013	P-4023/4024/4079	INT	INT	10/21/22	2:57 PM	2X2	P	JLO	1	10/24/22	FC	BM	P	
10/18/22	D11014	P-3984/4024/4079	INT	INT	10/21/22	2:51 PM	3X4	P	JLO	1	10/24/22	FC	BM	P	
10/18/22	D11015	P-3984/4079/4080	INT	INT	10/21/22	2:43 PM	2X3	P	JLO	1	10/24/22	FC	BM	P	
10/18/22	D11016	P-3984/4080/4081	INT	INT	10/21/22	2:25 PM	2X3	P	JLO	1	10/24/22	FC	BM	P	
10/18/22	D11017	P-3984/4081/4082	INT	INT	10/21/22	2:00 PM	2X3	P	JLO	1	10/24/22	FC	BM	P	
10/18/22	D11018	P-3984/4082/4088/4089/4092	INT	INT	10/20/22	1:51 PM	4X8	P	JLO	1	10/24/22	FC	BM	P	
10/18/22	D11019	P-3982/3984/4089/4090/4092	INT	INT	10/21/22	7:58 AM	4X7	P	WL	83	10/24/22	FC	BM	P	
10/18/22	D11020	P-3980/3982/4090/4091	INT	INT	10/21/22	8:08 AM	2X4	P	WL	83	10/24/22	FC	BM	P	
10/18/22	D11021	P-3978/3980/4091/4093	INT	INT	10/21/22	8:22 AM	2X4	P	WL	83	10/24/22	FC	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/19/22	D11022	P-163/164/4077/4087	INT	INT	10/21/22	2:00 PM	3X3	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11023	P-164/165/4087	INT	INT	10/21/22	2:05 PM	2X2	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11024	P-165/4087/4088	INT	INT	10/21/22	2:20 PM	3X3	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11025	P-165/166/4088	INT	INT	10/21/22	2:23 PM	2X2	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11026	P-166/4088/4089	INT	INT	10/21/22	2:43 PM	2X2	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11027	P-166/167/4089	INT	INT	10/21/22	2:51 PM	2X2	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11028	P-167/4089/4090	INT	INT	10/21/22	2:59 PM	2X3	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11029	P-167/168/4090	INT	INT	10/21/22	3:06 PM	2X2	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11030	P-168/4090/4091	INT	INT	10/21/22	3:12 PM	2X3	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11031	P-168/169/4091	INT	INT	10/21/22	3:23 PM	2X2	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11032	P-169/4091/4093	INT	INT	10/21/22	3:28 PM	3X3	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11033	P-169/170/4096	INT	INT	10/21/22	3:36 PM	2X2	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11034	P-4081/4082	30' W OF EOS	PT	10/21/22	2:20 PM	3X4	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11035	P-4084/4087	S-N	FS	10/20/22	9:50 AM	2X14	CAP	JLO	1	10/24/22	FC	BM	P	COVERS D11007/11008
10/19/22	D11036	P-4088	9' N OF EOS/5' E	DO	11/20/22	1:55 PM	2X2	P	JLO	1	10/24/22	FC	BM	P	
10/19/22	D11037	P-4096/4097	32' W OF EOS	BO	10/21/22	8:57 AM	2X3	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11038	P-4096/4097	23' N OF EOS	BO	10/21/22	9:09 AM	2X2	P	WL	83	10/24/22	FC	BM	P	
10/19/22	D11039	P-3976/3978/4093/4094	INT	INT	10/21/22	8:31 AM	4X4	P	WL	83	10/24/22	AG	BM	P	
10/19/22	D11040	P-3974/3976/4094/4095	INT	INT	10/21/22	8:40 AM	2X4	P	WL	83	10/24/22	AG	BM	P	
10/19/22	D11041	P-3972/3974/4095/4096	INT	INT	10/21/22	8:42 AM	3X5	P	WL	83	10/24/22	AG	BM	P	
10/19/22	D11042	P-3970/3972/4096/4097	INT	INT	10/21/22	9:16 AM	3X5	P	WL	83	10/24/22	AG	BM	P	
10/19/22	D11043	P-3980/4091	4' E OF WEOS	DF-1421	10/21/22	8:15 AM	2X5	DF-1421	WL	83	10/24/22	AG	BM	P	
10/19/22	D11044	P-3969/3970/4097/4098	INT	INT	10/21/22	9:27 AM	4X16	CAP	WL	83	10/24/22	AG	BM	P	
10/19/22	D11045	P-4099/4100	12' N OF EOS	DF-1424	10/21/22	10:00 AM	2X5	DF-1424	WL	83	10/24/22	AG	BM	P	
10/19/22	D11046	P-4100/4105/4106	INT	INT	10/21/22	10:46 AM	2X3	P	WL	83	10/24/22	AG	BM	P	
10/19/22	D11047	P-4100/4102/4105	INT	INT	10/21/22	10:41 AM	2X3	P	WL	83	10/24/22	AG	BM	P	
10/19/22	D11048	P-4100/4101/4102	INT	INT	10/21/22	10:24 AM	3X5	P	WL	83	10/22/22	FC	BM	P	
10/19/22	D11049	P-4102/4104/4105	INT	INT	10/21/22	10:30 AM	2X3	P	WL	83	10/22/22	FC	BM	P	
10/19/22	D11050	P-4102/4103/4104	1' S OF EOS	DF-1423	10/21/22	9:35 AM	2X6	DF-1423	SR	4	10/22/22	FC	BM	P	
10/19/22	D11051	P-170/4093/4094	INT	INT	10/20/22	3:40 PM	3X3	P	WL	83	10/22/22	FC	BM	P	
10/19/22	D11052	P-170/171/4094	INT	INT	10/20/22	3:23 PM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/19/22	D11053	P-171/4094/4095	INT	INT	10/20/22	4:00 PM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/19/22	D11054	P-171/172/4095	INT	INT	10/21/22	8:15 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11055	P-172/4095/4096	INT	INT	10/21/22	8:25 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11056	P-172/173/4096	INT	INT	10/21/22	8:32 AM	2X3	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11057	P-173/4096/4097	INT	INT	10/21/22	8:35 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11058	P-173/174/4097	INT	INT	10/21/22	8:50 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11059	P-174/4097/4098	INT	INT	10/20/22	3:45 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11060	P-174/175/4098	INT	INT	10/20/22	3:33 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11061	P-175/4098/4099	INT	INT	10/20/22	3:30 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11062	P-175/178/4099	INT	INT	10/20/22	3:28 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11063	P-178/4099/4100	INT	INT	10/20/22	3:25 PM	2X2	P	SR	4	10/22/22	FC	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/19/22	D11064	P-178/179/4100	INT	INT	10/20/22	3:15 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11065	P-179/4100/4101	INT	INT	10/20/22	3:00 PM	2X4	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11066	P-179/184/4101	INT	INT	10/21/22	9:10 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11067	P-184/4101/4102	INT	INT	10/21/22	9:15 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11068	P-184/185/4102	INT	INT	10/21/22	9:20 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11069	P-185/4102/4103	INT	INT	10/21/22	9:25 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11070	P-185/186/4103	INT	INT	10/21/22	9:50 AM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11071	P-186/4103/4104	INT	INT	10/21/22	9:55 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11072	P-186/189/4104	INT	INT	10/21/22	10:00 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11073	P-189/4104/4105	INT	INT	10/21/22	10:05 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11074	P-189/190/4105	INT	INT	10/21/22	10:07 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11075	P-190/4105/4106	INT	INT	10/21/22	10:25 AM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11076	P-190/191/4106	INT	INT	10/21/22	10:27 AM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11077	P-191/4106/4107	INT	INT	10/21/22	10:30 AM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11078	P-191/192/4107	INT	INT	10/21/22	10:35 AM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11079	P-192/193/4107/4110	INT	INT	10/21/22	-	-	-	-	-	-	-	-	-	COVERED BY D11136
10/19/22	D11080	P-4107/4109/4110	INT	INT	10/21/22	-	-	-	-	-	-	-	-	-	COVERED BY D11136
10/19/22	D11081	P-4107/4108/4109	INT	INT	10/21/22	1:25 PM	3X4	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11082	P-4096/4097	86' N OF SEOS	DF-1422	10/21/22	8:46 AM	2X5	DF-1422	SR	4	10/22/22	FC	BM	P	
10/19/22	D11083	P-4111/4112/4113	INT	INT	10/21/22	2:45 PM	2X4	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11084	P-193/194/4110/4111	INT	INT	10/21/22	11:15 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11085	P-195/4111/4114	INT	INT	10/21/22	11:30 AM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11086	P-4111/4113/4114	INT	INT	10/21/22	12:00 PM	3X4	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11087	P-196/197/4115	INT	INT	10/21/22	11:37 AM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11088	P-197/4115/4116	INT	INT	10/21/22	11:55 AM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11089	P-4115/4116	15' N OF SEOS	BO	10/21/22	3:20 PM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11090	P-4079/4080	10' W OF EEOS	DF-1425	10/20/22	3:19 PM	2X5	DF-1425	JLO	1	10/22/22	FC	BM	P	
10/19/22	D11091	P-4099	14' N OF SEOS/8' W	DO	10/21/22	9:57 AM	2X5	P	WL	83	10/22/22	AG	BM	P	
10/19/22	D11092	P-195/196/4114	INT	INT	10/21/22	11:32 AM	2X2	P	SR	4	10/22/22	AG	BM	P	
10/19/22	D11093	P-196/4114/4115	INT	INT	10/21/22	11:35 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/19/22	D11094	P-145/4094	5' E OF WEOS	DX-283	10/21/22	1:51 PM	2X5	DX-283	JLO	1	10/22/22	FC	BM	P	
10/19/22	D11095	P-194/195/4111	INT	INT	10/21/22	11:17 AM	2X2	P	SR	4	10/22/22	JR/JM	BM	P	
10/19/22	D11096	P-197/198/4116	INT	INT	10/21/22	11:57 AM	2X2	P	SR	4	10/22/22	JR/JM	BM	P	
10/20/22	D11097	P-3969/4117	90' N OF SEOS	DF-1426	10/21/22	1:32 PM	2X5	DF-1426	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11098	P-4117/4119	153' N OF SEOS	DF-1427	10/21/22	1:02 PM	2X5	DF-1427	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11099	P-3969/4117/4118	INT	INT	10/21/22	12:45 PM	3X5	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11100	P-4117/4118/4119	INT	INT	10/21/22	12:56 PM	2X4	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11101	P-4118/4119/4120	INT	INT	10/21/22	1:28 PM	3X4	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11102	P-4119/4120/4121	INT	INT	10/21/22	1:38 PM	2X4	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11103	P-4120/4121/4122	INT	INT	10/21/22	1:45 PM	2X3	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11104	P-4121/4122/4123	INT	INT	10/21/22	1:57 PM	3X3	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11105	P-3696/4098/4099/4118	INT	INT	10/21/22	9:47 AM	3X6	P	WL	83	10/22/22	JR/JM	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/20/22	D11106	P-4099/4100/4118/4120	INT	INT	10/21/22	10:06 AM	2X4	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11107	P-4100/4106/4107/4120	INT	INT	10/21/22	10:54 AM	5X8	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11108	P-4107/4108/4120/4122	INT	INT	10/21/22	11:21 AM	5X8	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11109	P-4119/4121	144' N OF SEOS	DF-1428	10/21/22	1:09 PM	2X5	DF-1428	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11110	P-4108/4109/4122	INT	INT	10/21/22	11:35 AM	2X8	CAP	WL	83	10/22/22	JR/JM	BM	P	COVERS D11111
10/20/22	D11111	P-4109/4122/4123	INT	INT	10/21/22	-	-	-	-	-	-	-	-	-	COVERS D11110
10/20/22	D11112	P-4109/4110/4123	INT	INT	10/21/22	1:45 PM	2X2	P	SR	4	10/22/22	JR/JM	BM	P	
10/20/22	D11113	P-4110/4123/4124	INT	INT	10/21/22	1:50 PM	2X2	P	SR	4	10/22/22	JR/JM	BM	P	
10/20/22	D11114	P-4110/4111/4121	INT	INT	10/21/22	2:00 PM	2X4	P	SR	4	10/22/22	JR/JM	BM	P	
10/20/22	D11115	P-4111/4112/4124	INT	INT	10/21/22	2:10 PM	5X7	P	SR	4	10/22/22	JR/JM	BM	P	
10/20/22	D11116	P-4123/4124	178' S OF NEOS	DF-1429	10/21/22	2:53 PM	2X5	DF-1429	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11117	P-4124/4125/4126	INT	INT	10/21/22	1:45 PM	4X5	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11118	P-4125/4126/4128	INT	INT	10/21/22	2:15 PM	3X4	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11119	P-4126/4127/4128	INT	INT	10/21/22	2:36 PM	4X4	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11120	P-4127/4128/4129	INT	INT	10/21/22	2:41 PM	2X3	P	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11121	P-4121/4123	224' S OF NEOS	DF-1430	10/21/22	3:15 PM	2X5	DF-1430	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11122	P-4124/4126	168' S OF NEOS	DF-1431	10/21/22	3:08 PM	2X5	DF-1431	WL	83	10/22/22	JR/JM	BM	P	
10/20/22	D11123	P-4129/4130	61' N OF SEOS	DF-1432	10/21/22	3:10 PM	2X5	DF-1432	WL	83	10/22/22	FC	BM	P	
10/20/22	D11124	P-4125/4126	W-E	FS	10/21/22	2:06 PM	2X22	CAP	WL	83	10/22/22	FC	BM	P	
10/20/22	D11125	P-4130/4131/4132	INT	INT	10/21/22	3:25 PM	3X4	P	SR	4	10/22/22	FC	BM	P	
10/20/22	D11126	P-4112/4124/4125	INT	INT	10/21/22	2:20 PM	6X8	P	SR	4	10/22/22	FC	BM	P	
10/20/22	D11127	P-4112/4125	10' E OF WEOS	DF-1433	10/21/22	2:25 PM	2X5	DF-1433	SR	4	10/22/22	FC	BM	P	
10/20/22	D11128	P-4112/4113/4125	INT	INT	10/21/22	2:30 PM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/20/22	D11129	P-4113/4125/4128	INT	INT	10/21/22	2:40 PM	4X4	P	SR	4	10/22/22	FC	BM	P	
10/20/22	D11130	P-4113/4114/4128/4129	INT	INT	10/21/22	3:00 PM	2X5	P	SR	4	10/22/22	FC	BM	P	
10/20/22	D11131	P-4114/4115/4129/4130	INT	INT	10/21/22	3:05 PM	2X6	P	SR	4	10/22/22	FC	BM	P	
10/20/22	D11132	P-4115/4116/4130/4132	INT	INT	10/21/22	3:15 PM	2X7	P	SR	4	10/22/22	FC	BM	P	
10/20/22	D11133	P-174/4098	3' E OF WEOS	DX-284	10/21/22	8:55 AM	2X5	DX-284	SR	4	10/22/22	FC	BM	P	
10/20/22	D11134	P-171/P-4094	13' W OF EEOS	DX-285	10/21/22	8:00 AM	2X5	DX-285	SR	4	10/22/22	FC	BM	P	
10/21/22	D11135	P-4084/D11035	5' S OF NEOS	DX-286	10/21/22	10:04 AM	2X5	DX-286	JLO	1	10/22/22	FC	BM	P	
10/21/22	D11136	P-4107/4110	S-N	FS	10/21/22	11:00 AM	3X12	CAP	SR	4	10/22/22	FC	BM	P	COVERS D11079/11080
10/21/22	D11137	P-4098/D11044	5' W OF EEOS	DX-287	10/21/22	11:13 AM	2X5	DX-287	SR	4	10/22/22	FC	BM	P	
10/21/22	D11138	P-197/4116	2' E OF WEOS	DX-288	10/21/22	1:05 PM	2X5	DX-288	SR	4	10/22/22	FC	BM	P	
10/21/22	D11139	P-4115/4116	88' N OF SEOS	DF-1434	10/21/22	1:00 PM	2X5	DF-1434	WL	83	10/22/22	FC	BM	P	
10/21/22	D11140	P-3969/4117/TIE-IN	INT	INT	10/22/22	8:20 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/21/22	D11141	P-4117/4119/TIE-IN	INT	INT	10/22/22	8:40 AM	2X3	P	SR	4	10/22/22	FC	BM	P	
10/21/22	D11142	P-4119/4121/TIE-IN	INT	INT	10/22/22	9:00 AM	2X4	P	SR	4	10/22/22	FC	BM	P	
10/21/22	D11143	P-4121/4123/TIE-IN	INT	INT	10/22/22	9:10 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/21/22	D11144	P-4123/4124/TIE-IN	INT	INT	10/22/22	9:30 AM	3X3	P	SR	4	10/22/22	FC	BM	P	
10/21/22	D11145	P-4124/4126/TIE-IN	INT	INT	10/22/22	9:50 AM	2X2	P	SR	4	10/22/22	FC	BM	P	
10/21/22	D11146	P-4126/4127/TIE-IN	INT	INT	10/22/22	10:05 AM	3X3	P	SR	4	10/22/22	FC	BM	P	
10/21/22	D11147	P-4127/4129/TIE-IN	INT	INT	10/22/22	10:15 AM	3X3	P	SR	4	10/22/22	FC	BM	P	

Cripple Creek & Victor Gold Mining Company
Valley Leach Facility 2 Phase 3
Stage A.1 Record of Construction
80-mil 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	
10/21/22	D11148	P-4129/4130/TIE-IN	INT	INT	10/22/22	10:40 AM	2X4	P	SR	4	10/22/22	FC	BM	P	
10/22/22	D11149	P-4138/4139	10' N OF SEOS	DF-1435	10/22/22	11:32 AM	2X5	DF-1435	WL	83	10/22/22	FC	BM	P	
10/22/22	D11150	P-4137/4138	7' N OF SEOS	DF-1436	10/22/22	11:27 AM	2X5	DF-1436	WL	83	10/22/22	FC	BM	P	
10/22/22	D11151	P-4138/4139	37' N OF SEOS	BO	10/22/22	11:40 AM	3X5	P	WL	83	10/22/22	FC	BM	P	
10/22/22	D11152	P-4116/4132/4133	INT	INT	10/22/22	11:18 AM	3X4	P	WL	83	10/22/22	FC	BM	P	
10/22/22	D11153	P-198/4116/4133	INT	INT	10/22/22	9:15 AM	2X2	P	WL	83	10/22/22	AG	BM	P	
10/22/22	D11154	P-198/199/4133	INT	INT	10/22/22	9:18 AM	2X2	P	WL	83	10/22/22	AG	BM	P	
10/22/22	D11155	P-199/4133/4134	INT	INT	10/22/22	9:36 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/22/22	D11156	P-199/200/4134	INT	INT	10/22/22	9:38 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/22/22	D11157	P-200/4134/4135	INT	INT	10/22/22	9:52 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/22/22	D11158	P-200/201/4135	INT	INT	10/22/22	9:55 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/22/22	D11159	P-201/4135/4136	INT	INT	10/22/22	10:00 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/22/22	D11160	P-201/202/4136	INT	INT	10/22/22	10:03 AM	2X2	P	WL	83	10/22/22	AG	BM	P	
10/22/22	D11161	P-202/4136/4137	INT	INT	10/22/22	10:18 AM	2X2	P	WL	83	10/22/22	FC	BM	P	
10/22/22	D11162	P-202/203/4137	INT	INT	10/22/22	10:20 AM	2X2	P	WL	83	10/24/22	FC	BM	P	
10/22/22	D11163	P-203/204/4137/4138/4139	INT	INT	10/22/22	10:29 AM	3X7	P	WL	83	10/24/22	AG	BM	P	
10/22/22	D11164	P-4126/TIE IN	10' E OF WEOS	DX-289	10/22/22	10:45 AM	2X5	DX-289	SR	4	10/24/22	AG	BM	P	
10/22/22	D11165	P-204/4139	13' E OF WEOS	DX-290	10/22/22	10:58 AM	2X5	DX-290	WL	83	10/24/22	AG	BM	P	
10/22/22	D11166	P-204/234/4139	INT	INT	10/22/22	11:03 AM	2X5	P	WL	83	10/24/22	AG	BM	P	
10/24/22	D11167	P-136/4041	5' E OF WEOS	DX-291	10/24/22	3:10 PM	2X2	DX-291	JLO	1	10/24/22	FC	BM	P	
10/24/22	D11168	P-94/4043	4' E OF WEOS	DX-292	10/24/22	3:16 PM	2X5	DX-292	JLO	1	10/24/22	FC	BM	P	
10/24/22	D11169	P-181/4028	5' N OF SEOS	DX-293	10/24/22	3:23 PM	2X5	DX-293	JLO	1	10/24/22	FC	BM	P	
10/24/22	D11170	P-184/4032	10' S OF NEOS	DX-294	10/24/22	3:32 PM	2X5	DX-294	JLO	1	10/24/22	FC	BM	P	
10/24/22	D11171	P-4041/4042	15' E OF WEOS	DF-1437	10/24/22	3:38 PM	2X5	DF-1437	JLO	1	10/24/22	FC	BM	P	
10/24/22	D11172	P-4061/4062	10' W OF EEOS	DF-1438	10/24/22	3:30 PM	2X5	DF-1438	JLO	1	10/24/22	FC	BM	P	



APPENDIX K.8 – 80-MIL GEOMEMBRANE ACCEPTANCE FORMS

Geomembrane Acceptance Form



Client: Cripple Creek & Victor Mining Co.
 Project: VLF2 Phase 3
 Project No.: 475.0106.056

Contractor: Tetra Tech
 Weather: Partly cloudy
 Date: 11/1/2022

Panels: P-4023 through P-4139

Items Inspected: All seaming and repair work is complete in the accepted area
All seams and repairs have been pressure tested or
vacuum tested
All destructive samples have been tested and meet project
specifications
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.

Testing Performed: Pressure Testing Destructive Testing
Vacuum Testing Survey Completed

Deficient Items:

Remedial Actions:

Geomembrane Accepted:

YES



NO

Comments:

Signatures:

NewFields:

[Signature]

Date: 11/1/2022

JHL:

[Signature]

Date: 11/1/2022

CC&V:

[Signature]

Date: 11/1/2022

Tetra Tech:

[Signature]

Date: 11-1-22

Other:

Date: _____