



M-1980-244 TR 125 PAR Response

Jonathan Gillen <JGillen@geosyntec.com>
To: "Russell - DNR, Elliott" <elliott.russell@state.co.us>
Cc: Katie Dehlin <katie.blake@newmont.com>

Thu, Jan 21, 2021 at 9:41 AM

Elliott,

Please find attached the following documents, as a follow-up to the 1/19/2021 submittal:

1. Appendix J.5.1 (submitted as Attachment 1 on 1/19/2021) – includes pages 1 through 4 of the table.
2. Missing Weekly reports for September 28, 2019 and October 12, 2019 (submitted to address adequacy review comment #12, to be included with the submitted Attachment 3 provided on 1/19/2021).

Please let us know if you require any additional information to complete review. Thank you again and sorry for the inconvenience.

Best,

Jonathan H. Gillen, P.E.

Project Engineer

(Licensed P.E. in CO, MA, WY)

Phone: 720.509.8912 Mobile: 413.544.8151

From: Katie Blake <Katie.Blake@Newmont.com>
Sent: Thursday, January 21, 2021 8:25 AM
To: Jonathan Gillen <JGillen@Geosyntec.com>; Julie Pfeiffer (jpfeiffer@newfields.com) <jpfeiffer@newfields.com>
Cc: Poppy Staub <PStaub@Geosyntec.com>; Jay Janney-Moore (jmoore@newfields.com) <jmoore@newfields.com>
Subject: FW: [EXTERNAL] Re: M-1980-244 TR 125 PAR Response

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Good Morning,

Please see Elliott's email, below. Attached is what I sent over on Tuesday. Can you all please look into this and fill in the gaps? I'm okay with you both working together if you need to. Please email, text, or call my cell if you have any questions.

Thank you, Katie

Katie Blake

Sustainability Manager

Cripple Creek and Victor Gold Mining Co.

T 719.689.4048

M 719.237.3442

[Quoted text hidden]

2 attachments



Attachment 1- Appendix J.5.1.pdf
263K



Attachment 3 - Weekly Report.pdf
2648K

ATTACHMENT 1:
Appendix J.5.1

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility**



**Phase 2B Part 2 Record of Construction
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 = 100 ppi)					Peel Strength (Minimum = 100 ppi)					Shear Strength (Minimum = 120 ppi)						Pass/Fail
DF-1282	P-3441/P-3713	8/24/2020	WL	42	8/25/2020	161	139	122	PEEL	-	PEEL	150	-	-	-	-	-	-	-	-	FAIL	TT
DF-1282P	P-3441/P-3713	8/24/2020	WL	42	8/25/2020	145	PEEL	141	144	153	148	136	153	134	PEEL	-	-	-	-	-	FAIL	TT
DF-1282N	P-3714/P-3715	8/24/2020	WL	42	8/25/2020	154	134	156	148	148	143	138	156	139	150	166	167	150	156	151	PASS	TT
DF-1283	P-3713/P-3714	8/24/2020	AG	82	8/25/2020	152	143	143	149	149	169	141	132	141	158	162	174	162	164	152	PASS	TT
DF-1284	P-3716/P-3717	8/24/2020	AG	82	8/25/2020	144	141	148	141	145	154	135	159	142	148	152	162	157	173	161	PASS	TT
DF-1285	P-3717/P-3718	8/24/2020	WL	42	8/25/2020	PEEL	154	155	PEEL	-	151	152	-	-	-	-	-	-	-	-	FAIL	TT
DF-1285P	P-3717/P-3718	8/24/2020	WL	42	8/25/2020	136	126	143	138	149	146	138	144	139	105	157	161	150	159	146	PASS	TT
DF-1285N	P-3717/P-3718	8/24/2020	WL	42	8/25/2020	140	135	142	141	130	131	113	145	109	147	177	166	183	160	160	PASS	TT
DF-1286	P-3720/P-3721	8/25/2020	AG	82	8/27/2020	138	124	146	130	140	135	140	155	136	118	165	149	172	154	153	PASS	TT
DF-1287	P-3721/P-3722	8/26/2020	AG	82	8/27/2020	147	134	150	139	141	150	124	144	136	141	166	145	144	161	152	PASS	TT
DF-1288	P-3722/P-3723	8/26/2020	WL	42	8/27/2020	119	116	133	124	118	134	124	140	135	142	159	155	143	152	147	PASS	TT
DF-1289	P-3724/P-3725	8/26/2020	WL	42	8/29/2020	164	155	160	153	166	150	140	152	144	154	171	183	171	186	175	PASS	TT
DF-1290	P-3726/P-3727	8/26/2020	AG	82	8/29/2020	151	140	145	134	143	146	139	147	138	148	162	162	153	165	150	PASS	TT
DF-1291	P-3727/P-3728	8/26/2020	WL	42	8/29/2020	169	166	165	162	153	152	146	150	128	167	176	186	176	182	175	PASS	TT
DF-1292	P-3728/P-3729	8/26/2020	AG	82	8/29/2020	146	143	144	140	137	148	135	147	132	147	163	171	162	171	163	PASS	TT
DF-1293	P-3729/P-3730	8/26/2020	WL	42	8/29/2020	163	149	152	151	151	149	144	153	150	149	159	168	166	167	161	PASS	TT
DF-1294	P-3732/P-3733	8/26/2020	AG	82	8/29/2020	155	148	151	142	144	151	143	146	137	151	161	173	164	170	163	PASS	TT
DF-1295	P-3735/P-3736	8/27/2020	AG	82	8/29/2020	151	147	149	141	146	144	146	146	133	146	159	164	153	164	156	PASS	TT
DF-1296	P-3734/P-3735	8/27/2020	WL	42	8/29/2020	146	140	151	138	146	144	134	149	138	147	155	165	158	166	154	PASS	TT
DF-1297	P-3737/P-3738	8/27/2020	AG	82	8/31/2020	139	138	154	146	157	152	139	139	133	140	169	176	166	174	168	PASS	RM
DF-1298	P-3738/P-3739	8/27/2020	WL	42	8/31/2020	172	168	174	164	173	176	160	175	157	179	196	206	197	201	196	PASS	RM
DF-1299	P-3740/P-3741	8/27/2020	WL	42	8/31/2020	156	156	166	153	168	176	153	164	156	166	193	200	195	199	192	PASS	RM
DF-1300	P-3741/P-3742	8/27/2020	AG	82	8/31/2020	161	143	161	153	165	162	146	157	148	167	181	178	177	182	171	PASS	RM
DF-1301	P-3744/P-3745	8/28/2020	AG	82	8/31/2020	163	149	169	154	170	167	154	161	157	160	193	189	192	194	186	PASS	RM
DF-1302	P-3745/P-3746	8/28/2020	WL	42	8/31/2020	147	140	148	143	148	141	136	156	146	155	170	175	170	178	171	PASS	RM
DF-1303	P-3746/P-3747	8/28/2020	AG	82	8/31/2020	160	143	145	144	138	155	143	160	140	159	168	176	169	176	170	PASS	RM
DF-1304	P-3749/P-3750	8/28/2020	WL	42	8/31/2020	161	148	163	163	165	150	139	156	158	154	173	171	170	171	165	PASS	RM
DF-1305	P-3750/P-3751	8/28/2020	AG	82	8/31/2020	153	141	146	137	148	155	131	141	130	138	166	169	177	167	159	PASS	RM
DF-1306	P-3752/P-3755	8/28/2020	WL	42	8/31/2020	166	140	158	135	152	148	152	158	148	160	164	163	172	161	171	PASS	RM
DF-1307	CAP 3/P-3713	8/29/2020	WL	42	8/31/2020	139	129	143	133	140	141	133	131	128	144	147	153	144	153	149	PASS	RM
DF-1308	CAP 5/P-3713	8/31/2020	WL	42	8/31/2020	151	135	126	111	151	151	140	152	145	136	155	163	156	158	154	PASS	RM
DF-1309	P-3755/P-3758	9/1/2020	JA	82	9/11/2020	163	153	167	165	177	161	154	164	139	155	189	203	198	204	195	PASS	RM
DF-1310	P-3762/P-3765	9/1/2020	WL	42	9/11/2020	155	154	166	155	180	162	148	158	160	161	222	188	190	190	192	PASS	RM
DF-1311	P-3750/P-3769	9/1/2020	WL	42	9/11/2020	176	151	170	168	173	176	140	166	150	170	174	183	171	176	172	PASS	RM

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility**



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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 = 100 ppi)					Peel Strength (Minimum = 100 ppi)					Shear Strength (Minimum = 120 ppi)					Pass/Fail	
DF-1312	P-3769/P-3770	9/1/2020	JA	82	9/11/2020	176	186	161	154	184	149	157	171	171	156	188	203	186	203	188	PASS	RM
DF-1313	P-3770/P-3773	9/1/2020	JA	82	9/12/2020	159	179	171	155	166	158	157	151	167	167	194	194	196	187	189	PASS	TT
DF-1314	P-3778/P-3780	9/1/2020	WL	42	9/12/2020	158	143	157	148	162	150	151	153	151	156	175	184	181	184	178	PASS	TT
DF-1315	P-3780/P-3783	9/2/2020	WL	42	9/12/2020	152	129	162	162	161	159	142	153	158	156	174	184	175	181	179	PASS	TT
DF-1316	P-3784/P-3785	9/2/2020	AG	82	9/12/2020	166	162	171	162	168	163	152	163	151	159	183	191	183	193	181	PASS	TT
DF-1317	P-3788/P-3790	9/2/2020	WL	42	9/12/2020	160	159	163	161	164	162	155	169	156	159	177	177	185	183	185	PASS	TT
DF-1318	P-3791/P-3792	9/2/2020	AG	82	9/14/2020	169	161	170	164	167	163	159	161	161	158	172	165	167	167	160	PASS	RM
DF-1319	P-3791/P-3795	9/2/2020	WL	42	9/14/2020	158	156	165	154	165	164	153	165	157	161	186	178	168	178	169	PASS	RM
DF-1320	P-3795/P-3796	9/2/2020	AG	82	9/12/2020	149	153	158	149	180	174	156	170	159	155	194	199	191	197	190	PASS	TT
DF-1321	P-3797/P-3799	9/2/2020	AG	82	9/11/2020	148	158	146	138	168	147	141	139	144	152	171	182	186	187	182	PASS	RM
DF-1322	P-3799/P-3801	9/2/2020	WL	42	9/11/2020	151	165	160	144	158	154	148	153	151	161	190	187	186	185	183	PASS	RM
DF-1323	P-3802/P-3805	9/2/2020	AG	82	9/14/2020	150	141	150	137	154	159	138	146	140	151	185	170	164	182	159	PASS	RM
DF-1324	P-3805/P-3806	9/2/2020	WL	42	9/14/2020	163	162	164	158	162	148	141	149	146	148	180	178	175	180	173	PASS	RM
DF-1325	P-3807/P-3808	9/3/2020	WL	42	9/14/2020	172	160	174	160	166	164	158	165	155	163	189	197	190	198	191	PASS	RM
DF-1326	P-3808/P-3809	9/3/2020	AG	82	9/14/2020	149	138	164	142	160	158	144	136	142	151	177	182	178	176	173	PASS	RM
DF-1327	P-3809/P-3810	9/3/2020	WL	42	9/14/2020	153	109	155	140	154	164	148	159	152	162	180	186	178	184	173	PASS	RM
DF-1328	P-3810/P-3811	9/3/2020	AG	82	9/14/2020	151	138	174	160	168	160	148	168	143	155	173	180	177	183	173	PASS	RM
DF-1329	P-3811/P-3812	9/3/2020	WL	42	9/14/2020	157	152	164	155	159	159	149	151	153	162	176	182	177	178	174	PASS	RM
DF-1330	P-3812/P-3813	9/3/2020	AG	82	9/14/2020	174	137	155	140	160	148	137	161	141	146	155	158	154	158	152	PASS	RM
DF-1331	P-3815/P-3818	9/3/2020	AG	82	9/14/2020	134	127	127	126	128	128	124	126	119	128	141	138	151	142	141	PASS	RM
DF-1332	P-3813/P-3814	9/3/2020	WL	42	9/14/2020	130	135	128	131	117	129	127	128	128	112	144	148	148	152	148	PASS	RM
DF-1333	P-3817/P-3819	9/3/2020	WL	42	9/15/2020	160	139	149	157	162	155	146	144	145	150	176	171	166	172	162	PASS	RM
DF-1334	P-3819/P-3822	9/3/2020	AG	82	9/15/2020	151	142	162	143	152	151	134	154	145	123	167	171	166	167	157	PASS	RM
DF-1335	P-3828/P-3829	9/3/2020	WL	42	9/15/2020	155	138	149	136	155	152	139	147	139	151	153	153	154	156	152	PASS	RM
DF-1336	P-3829/P-3831	9/3/2020	AG	82	9/15/2020	144	137	144	145	148	145	134	141	138	142	154	157	152	160	156	PASS	RM
DF-1337	P-3837/P-3839	9/4/2020	AG	82	9/15/2020	151	134	146	137	148	144	136	151	142	146	159	164	159	165	159	PASS	RM
DF-1338	P-3821/P-3844	9/4/2020	WL	42	9/15/2020	136	139	143	137	143	154	132	141	134	142	150	153	147	153	149	PASS	RM
DF-1339	P-3840/P-3845	9/4/2020	AG	82	9/15/2020	138	131	138	135	142	137	126	140	141	144	154	158	155	158	151	PASS	RM
DF-1340	P-3845/P-3847	9/4/2020	WL	42	9/15/2020	139	136	145	139	139	133	126	137	128	139	152	160	156	161	148	PASS	RM
DF-1341	P-3847/P-3848	9/4/2020	AG	82	9/15/2020	150	136	151	146	150	149	146	152	145	142	155	157	153	156	150	PASS	RM
DF-1342	P-3852/P-3854	9/4/2020	WL	42	9/15/2020	149	138	158	139	151	148	132	147	137	144	155	157	151	158	154	PASS	RM
DF-1343	P-3851/P-3853	9/4/2020	AG	82	9/15/2020	149	143	153	141	140	151	135	151	140	143	151	160	156	158	152	PASS	RM
DF-1344	P-3855/P-3857	9/4/2020	AG	82	9/15/2020	155	130	148	130	138	152	122	147	126	133	151	167	157	159	156	PASS	RM
DF-1345	P-3858/P-3860	9/4/2020	WL	42	9/15/2020	135	136	140	130	137	133	135	142	133	137	142	146	139	153	147	PASS	RM

**Cripple Creek & Victor Gold Mining Company
Squaw Gulch Valley Leach Facility**



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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 = 100 ppi)					Peel Strength (Minimum = 100 ppi)					Shear Strength (Minimum = 120 ppi)					Pass/Fail	
DF-1346	P-3863/P-3864	9/5/2020	AG	82	9/15/2020	135	128	138	126	140	133	135	142	133	137	151	150	144	147	141	PASS	RM
DF-1347	P-3864/P-3865	9/5/2020	WL	42	9/15/2020	133	129	130	125	128	140	135	128	126	126	152	140	140	159	143	PASS	RM
DF-1348	P-3868/P-3869	9/5/2020	AG	82	9/15/2020	123	121	133	133	137	142	132	137	137	140	152	149	143	143	141	PASS	RM
DF-1349	P-3873/P-3875	9/5/2020	WL	42	9/15/2020	134	128	138	130	134	131	129	134	128	132	145	148	140	156	149	PASS	RM
DF-1350	P-3825/P-3826	9/3/2020	WL	42	9/14/2020	119	122	129	125	126	118	122	119	123	122	144	148	148	152	148	PASS	RM
DF-1351	P-3878/P-3879	9/18/2020	AG	82	9/21/2020	138	122	142	135	143	136	131	141	136	141	149	163	153	180	149	PASS	TT
DF-1352	P-3882/P-3883	9/18/2020	AG	82	9/21/2020	154	149	151	135	151	148	144	142	139	140	160	162	159	163	157	PASS	TT
DF-1353	P-3883/P-3886	9/18/2020	WL	42	9/21/2020	144	135	155	151	157	149	140	141	137	151	159	163	155	162	154	PASS	TT
DF-1354	P-3886/P-3888	9/18/2020	AG	82	9/21/2020	157	147	143	163	157	148	142	148	151	147	164	170	167	168	163	PASS	TT
DF-1355	P-3888/P-3890	9/18/2020	AG	82	9/22/2020	155	154	163	153	166	155	146	154	147	152	174	184	176	177	182	PASS	RM
DF-1356	P-3890/P-3892	9/18/2020	WL	42	9/22/2020	153	143	157	158	150	133	138	147	137	146	167	171	166	171	172	PASS	RM
DF-1357	P-3896/P-3897	9/18/2020	AG	82	9/23/2020	172	174	180	170	169	180	168	173	173	172	182	186	180	184	179	PASS	BM
DF-1358	P-3899/P-3900	9/19/2020	WL	42	9/22/2020	151	145	149	145	159	141	137	145	138	144	172	181	173	177	170	PASS	RM
DF-1359	P-3896/P-3903	9/19/2020	AG	82	9/23/2020	170	155	155	152	160	174	150	163	151	156	186	190	186	189	188	PASS	BM
DF-1360	P-3906/P-3907	9/19/2020	WL	42	9/23/2020	173	179	179	171	176	182	171	175	177	171	183	187	180	186	182	PASS	BM
DF-1361	P-3906/P-3909	9/19/2020	AG	82	9/23/2020	169	160	163	168	177	171	164	174	166	164	192	197	193	197	194	PASS	BM
DF-1362	P-3909/P-3911	9/19/2020	WL	42	9/23/2020	152	157	155	150	153	158	150	157	144	152	185	181	187	182	197	PASS	BM
DF-1363	P-3912/P-3913	9/19/2020	AG	82	9/24/2020	148	141	157	145	146	145	129	143	143	142	159	166	163	167	164	PASS	TT
DF-1364	P-3913/P-3915	9/21/2020	WL	42	9/24/2020	131	131	132	129	133	141	136	143	138	139	142	150	145	149	147	PASS	TT
DF-1365	P-3918/P-3920	9/21/2020	WL	42	9/24/2020	138	135	142	144	149	140	135	139	137	140	153	162	156	166	148	PASS	TT
DF-1366	P-3919/P-3921	9/21/2020	AG	82	9/24/2020	140	134	146	140	144	142	137	141	135	146	154	159	155	158	153	PASS	TT
DF-1367	P-3921/P-3923	9/21/2020	WL	42	9/24/2020	142	137	144	141	145	134	132	136	136	137	152	152	149	152	149	PASS	TT
DF-1368	P-3923/P-3925	9/21/2020	AG	82	9/25/2020	157	149	157	151	149	169	145	161	163	156	180	182	176	180	175	PASS	TT
DF-1369	P-3927/P-3928	9/21/2020	AG	82	9/25/2020	159	150	154	141	156	159	152	156	151	156	177	178	167	183	176	PASS	TT
DF-1370	P-3928/P-3929	9/21/2020	WL	42	9/25/2020	163	153	161	161	162	170	157	171	157	162	172	183	178	184	179	PASS	TT
DF-1371	P-3929/P-3930	9/22/2020	WL	42	9/25/2020	171	146	159	153	160	154	150	155	160	151	169	171	168	173	168	PASS	TT
DF-1372	P-3932/P-3933	9/22/2020	AG	82	9/25/2020	172	158	163	161	163	161	154	157	153	161	178	180	175	182	175	PASS	TT
DF-1373	P-3933/P-3934	9/22/2020	WL	42	9/25/2020	160	156	159	154	159	158	154	154	155	161	165	181	177	179	173	PASS	TT
DF-1374	P-3934/P-3935	9/22/2020	AG	82	9/25/2020	169	163	168	164	160	165	163	167	156	159	188	177	182	178	182	PASS	TT
DF-1375	P-3935/P-3936	9/22/2020	WL	42	9/25/2020	164	145	151	158	151	155	148	158	153	150	177	178	173	183	187	PASS	TT
DF-1376	P-3936/P-3937	9/22/2020	AG	82	9/25/2020	156	162	158	159	156	158	156	166	152	157	174	185	179	183	180	PASS	TT
DF-1377	P-3937/P-3938	9/23/2020	WL	42	9/25/2020	139	138	141	136	133	154	145	149	146	150	164	167	163	162	158	PASS	TT
DF-1378	P-3940/P-3941	9/23/2020	AG	82	9/25/2020	156	138	151	142	149	141	137	143	140	142	155	163	156	163	157	PASS	TT
DF-1379	P-3941/P-3942	9/23/2020	WL	42	9/25/2020	133	138	155	137	141	147	140	149	143	154	159	157	158	155	160	PASS	TT

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Squaw Gulch Valley Leach Facility**



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Sample Number	Seam Number	Date Seamed	Welding Data		Date Tested	Test Results															QA Monitor	
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DF-1380	P-3944/P-3945	9/23/2020	AG	82	9/26/2020	162	165	169	155	165	168	160	180	157	168	187	189	185	188	185	PASS	TT
DF-1381	P-3945/P-3946	9/23/2020	WL	42	9/27/2020	171	164	181	147	160	158	151	155	161	170	188	190	184	188	184	PASS	TT
DF-1382	P-3948/P-3949	9/23/2020	AG	82	9/28/2020	169	155	167	157	164	166	157	165	162	157	163	166	162	166	163	PASS	TT
DF-1383	P-3948/P-3950	9/23/2020	WL	42	9/29/2020	173	153	164	166	182	179	160	171	156	156	189	193	189	187	185	PASS	TT
DF-1384	P-3950/P-3952	9/24/2020	AG	82	9/30/2020	162	154	155	152	158	163	156	149	146	161	185	178	184	179	182	PASS	TT
DF-1385	P-3954/P-3955	9/24/2020	WL	42	10/1/2020	148	156	152	172	146	164	159	162	159	166	172	178	177	174	181	PASS	TT
DF-1386	P-3959/P-3960	9/24/2020	AG	82	10/2/2020	152	144	146	150	158	168	147	154	146	154	175	184	178	183	179	PASS	TT
DF-1387	P-3960/P-3961	9/24/2020	WL	42	10/3/2020	152	155	158	170	173	150	159	146	137	143	173	179	177	177	177	PASS	TT
DF-1388	P-3962/P-3963	9/24/2020	AG	82	10/4/2020	150	150	171	146	171	147	147	157	163	170	181	182	182	181	180	PASS	TT
DF-1389	P-3966/P-3967	9/24/2020	WL	42	9/26/2020	160	151	168	162	158	150	158	163	145	167	179	179	181	180	180	PASS	TT



FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 2 CQA
SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)
CONTRACTOR: TEZAK HEAVY EQUIPMENT
WEEK ENDING: SATURDAY, SEPTEMBER 28, 2019

REPORTING PERIOD: 09.22.2019 THROUGH 09.28.2019

Days	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
Work Shifts		D	D	D	D	D	
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 65°F TO 66°F

LOWS: 44°F TO 48°F

WEATHER CONDITIONS:

CLOUD COVER: MOSTLY SUNNY

PRECIPITATION: NONE

WIND: WIND GUSTS FROM 11 TO 15 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	Sept 22	Sept 23	Sept 24	Sept 25	Sept 26	Sept 27	Sept 28
Eric Niebler		PR	PR				
Tyler Wendlandt		LG	LS	LS	LS	LS	
Jake Burgess		ST	LT	LT			
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT - Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer;							

1.0 EARTHWORKS

1.1 Underground Workings

Confirmatory drilling was conducted at UG # 6617. An Epiroc D65 drill was utilized to drill on the previously constructed pads. Void hits and misses were documented by NewFields personnel, and will be utilized to identify the required construction method for the remediation of the area.



1.2 Subgrade

Slope re-contouring continued within the Phase 2B limits. Two D6 dozers began performing finish grading on rougher areas of the Phase 2B slopes.

1.3 Soil Liner Fill

Processing of SLF material continued at the Tezak processing plant.

2.0 STORM WATER MANAGEMENT

Best Management Practices continue to be performed.

3.0 NEWFIELDS LABORATORY ACTIVITIES

NewFields personnel performed sieve analysis, atterberg limits, compaction, and permeability testing. The following sample was collected:

- Soil Liner Fill: NFSLF-116-C (Tezak Processing Plant)

4.0 MEETINGS AND COMMUNICATIONS

NewFields personnel attended Tezak's daily safety and line-out meetings.

5.0 MISCELLANEOUS, ISSUES, AND CONCERNS

A small opening was discovered in the Phase 2B slope on Friday, September, 27th. The opening was approximately 100' southeast of UG #6617 and 1' in diameter. The number UG #6699 was assigned.



6.0 PHOTOGRAPHS



September 24, 2019 – Confirmatory drilling of UG #6617 (TGW)



September 25, 2019 – Finish grading of the Phase 2B slope (TGW)



September 26, 2019 – Finish grading of the Phase 2B slope (TGW)

Prepared By (NewFields): Tyler Wendlandt Date: 9/30/2019

Reviewed By (Newmont): Jeff Zed Date: 12/16/2019



FIELD WEEKLY PROGRESS REPORT

PROJECT: VALLEY LEACH FACILITY (VLF2) PHASE 2 CQA
SITE: CRIPPLE CREEK & VICTOR GOLD MINE (COLORADO)
CONTRACTOR: TEZAK HEAVY EQUIPMENT
WEEK ENDING: SATURDAY, OCTOBER 12TH, 2019

REPORTING PERIOD: 10.06.2019 THROUGH 10.12.2019

Days	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
Work Shifts		D	D	D	D/W	W	
D – DAYSHIFT		N – NIGHTSHIFT			W – WEATHER		

AMBIENT TEMPERATURE RANGES:

HIGHS: 34°F TO 68°F

LOWS: 10°F TO 46°F

WEATHER CONDITIONS:

CLOUD COVER: MOSTLY SUNNY

PRECIPITATION: SNOW (.08")

WIND: WIND GUSTS FROM 10 TO 48 MPH

NEWFIELDS PERSONNEL ONSITE:

Personnel	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
	Oct 6	Oct 7	Oct 8	Oct 9	Oct 10	Oct 11	Oct 12
Tyler Wendlandt		LS	LS	LS	LS	LS	
PR – Project Resident; LS – Lead Soils Technician; LG – Lead Geosynthetics; ST – Soils Technician; GT – Geosynthetics Technician; LT – Laboratory Technician; PCE – Project Certifying Engineer;							

1.0 EARTHWORKS

1.1 Underground Workings

Confirmatory drilling was conducted at UG # 6617. An Epiroc D65 drill was utilized to drill on the previously constructed pads. Void hits and misses were documented by NewFields personnel, and will be utilized to identify the required construction method for the remediation of the area.



1.2 Subgrade

Slope re-contouring continued within the Phase 2B limits. Two D6 dozers finish graded on rougher areas of the Phase 2B slopes.

Structural fill was placed in the Phase 2B limits at UG # 6699. A 470 excavator loaded 40 ton haul trucks with overburden material from slope re-contouring. The material was hauled to a D6 dozer and placed in 2' horizontal lifts. Each lift was keyed approximately 1' into the existing slope. A CP56B CAT compacted the material as it was placed, with a minimum of six passes per section. A 320 CAT excavator equipped with a vibratory plate also assisted in the fill compaction.

1.3 Soil Liner Fill

Processing of SLF material continued at the Tezak processing plant.

1.4 Leak Detection

A 320 excavator excavated approximately 100' of the Phase 2B leak detection trench. Personnel began to construct the pipe system in the channel. 40 mil liner was placed over and in the base of the channel with the overlap facing downstream. Geotextile and then a 4" CPeP pipe were placed over the liner and the channel was filled with leak detection fill (LDF). The textile was wrapped around the LDF and overlapped. The channel was ballasted with LDF approximately every 10'.

2.0 STORM WATER MANAGEMENT

Best Management Practices continue to be performed.

3.0 NEWFIELDS LABORATORY ACTIVITIES

NewFields personnel performed sieve analysis, atterberg limits, compaction, and permeability testing.

4.0 MEETINGS AND COMMUNICATIONS

NewFields personnel attended Tezak's daily safety and line-out meetings.

5.0 MISCELLANEOUS, ISSUES, AND CONCERNS

Work activity was halted for the week on 10.10.20 due to inclement weather. No fill was conducted during ambient temperatures below 32 degrees.



6.0 PHOTOGRAPHS



October 8th, 2019 – Structural fill placement on UG #6699 (TGW)



October 8th, 2019 – Installation phase 2B leak detection trench (TGW)



Prepared By (NewFields): *Tyler Wendlandt* Date: 10/12/2019

Reviewed By (Newmont): *Jeff Reel* Date: 12/16/2019