

APPENDIX J – THIRD PARTY 80-MIL LLDPE GEOMEMBRANE CONFORMANCE TESTING RESULTS



MANUFACTUR					
				Mariea	Expetia
Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A	TYPE OF MQA:	LEVEL (2)	QA by:	,	/
Material: 80mil LLDPE Double Sided Microspike	SAMPLING FREQUENCY:	1/150,000 sq.ft.			
Manufacturer: AGRU					

Manufacturer: AGRU

- 1	Location: NV		1		1		1		1	
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft ²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
1	FNA0091850001	DNK810410	410	23	9430	2/24/2022	TRI-CA	2/24/2022	2/28/2022	CA220175 C#161880
2	FNA0091850002	DNK810410	410	23	9430	2/24/2022				
3	FNA0091850003	DNK810410	410	23	9430	2/24/2022				
4	FNA0091850004	DNK810410	410	23	9430	2/24/2022				
5	FNA0091850005	DNK810410	410	23	9430	2/24/2022				
6	FNA0091850006	DNK810410	410	23	9430	2/24/2022				
7	FNA0091850007	DNK810410	410	23	9430	2/24/2022				
8	FNA0091850008	DNK810410	410	23	9430	2/24/2022				
9	FNA0091850009	DNK810410	410	23	9430	2/25/2022				
10	FNA0091850010	DNK810410	410	23	9430	2/25/2022				
11	FNA0091850011	DNK810410	410	23	9430	2/25/2022				
12	FNA0091850012	DNK810410	410	23	9430	2/25/2022				
13	FNA0091850013	DNK810410	410	23	9430	2/25/2022				
14	FNA0091850014	DNK810410	410	23	9430	2/25/2022				
15	FNA0091850015	DNK810410	410	23	9430	2/25/2022				
16	FNA0091850016	DNK810410	410	23	9430	2/25/2022	TRI-CA	2/28/2022	3/3/2022	CA220187 C#161917
17	FNA0091850017	DNK810410	410	23	9430	2/25/2022				
18	FNA0091850018	DNK810410	410	23	9430	2/25/2022				
19	FNA0091850019	DNK810410	410	23	9430	2/25/2022				
20	FNA0091850020	DNK810410	410	23	9430	2/25/2022				
21	FNA0091850021	DNK810410	410	23	9430	2/25/2022				
22	FNA0091850022	DNK810410	410	23	9430	2/25/2022				
23	FNA0091850023	DNK810410	410	23	9430	2/25/2022				
24	FNA0091850024	DNK810410	410	23	9430	2/25/2022				
25	FNA0091850025	DNK810410	410	23	9430	2/25/2022				
26	FNA0091850026	DNK810410	410	23	9430	2/25/2022				
27	FNA0091850027	DNK810410	410	23	9430	2/26/2022				
28	FNA0091850028	DNK810410	410	23	9430	2/26/2022				
29	FNA0091850029	DNK810410	410	23	9430	2/26/2022				



NT SAMPLING/INSPECTION REPORT										
TYPE OF MQA:	I FVFL (2)	QA by		Expetia						
		• • • • • • • • • • • • • • • • • • • •	•							

Mariea	Expetia
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Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A

Material: 80mil LLDPE Double Sided Microspike

SAMPLING FREQUENCY: 1/150,000 sq.ft.

Manufacturer: AGRU

	Location: NV									
No.	Roll # Lot #		Length (ft.)	Width (ft.)	Area (ft²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
30	FNA0091850030	DNK810410	410	23	9430	2/26/2022				
31	FNA0091850031	DNK810410	410	23	9430	2/26/2022	TRI-CA	2/28/2022	3/3/2022	CA220187 C#161918
32	FNA0091850032	DNK810410	410	23	9430	2/26/2022				
33	FNA0091850033	DNK810410	410	23	9430	2/26/2022				
34	FNA0091850034	DNK810410	410	23	9430	2/26/2022				
35	FNA0091850035	DNK810410	410	23	9430	2/26/2022				
36	FNA0091850036	DNK810410	410	23	9430	2/26/2022				
37	FNA0091850037	DNK810410	410	23	9430	2/26/2022				
38	FNA0091850038	DNK810410	410	23	9430	2/26/2022				
39	FNA0091850039	DNK810410	410	23	9430	2/26/2022				
40	FNA0091850040	DNK810410	410	23	9430	2/26/2022				
41	FNA0091850041 DNK810410		410	23	9430	2/26/2022				
42	FNA0091850042	DNK810410	410	23	9430	2/26/2022				
43	FNA0091850043	DNK810410	410	23	9430	2/26/2022				
44	FNA0091850044	DNK810410	410	23	9430	2/26/2022				
45	FNA0091850045	DNK810410	410	23	9430	2/27/2022				
46	FNA0091850046	DNK810410	410	23	9430	2/27/2022	TRI-CA	2/28/2022	3/2/2022	CA220183 C#161907
47	FNA0091850047	DNK810410	410	23	9430	2/27/2022				
48	FNA0091850048	DNK810410	410	23	9430	2/27/2022				
49	FNA0091850049	DNK810410	410	23	9430	2/27/2022				
50	FNA0091850050	DNK810410	410	23	9430	2/27/2022				
51	FNA0091850051	DNK810410	410	23	9430	2/27/2022				
52	FNA0091850052	DNK810410	410	23	9430	2/27/2022				
53	FNA0091850053	DNK810410	410	23	9430	2/27/2022				
54	FNA0091850054	DNK810410	410	23	9430	2/27/2022				
				Sub Total ft ² =	509220					
55	FNA0091850055	21KB544	410	23	9430	2/27/2022				
56	FNA0091850056	21KB544	410	23	9430	2/27/2022	TRI-CA	2/28/2022	3/2/2022	CA220183 C#161908
57	FNA0091850057	21KB544	410	23	9430	2/27/2022				



FACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT		
	Mariea	Expetia

Pro	ject Name: Cripple Creek & Victor N	TYPE OF MQA: LEVEL (2) QA by: /									
	Material: 80mil LLDPE Double Sid	ded Microspike	5	SAMPLING FF	EQUENCY:	1/150,000 sq.ft					
Ма	nufacturer: AGRU										
	Location: NV										
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No	
58	FNA0091850058	21KB544	410	23	9430	2/27/2022					
59	FNA0091850059	21KB544	410	23	9430	2/27/2022					
60	FNA0091850060	21KB544	410	23	9430	2/27/2022					
61	FNA0091850061	21KB544	410	23	9430	2/27/2022					
62	FNA0091850062	21KB544	410	23	9430	2/28/2022					
63	FNA0091850063	21KB544	410	23	9430	2/28/2022					
64	FNA0091850064	21KB544	410	23	9430	2/28/2022					
65	FNA0091850065	21KB544	410	23	9430	2/28/2022					
66	FNA0091850066	21KB544	410	23	9430	2/28/2022					
67	FNA0091850067	21KB544	410	23	9430	2/28/2022					
68	FNA0091850068	21KB544	410	23	9430	2/28/2022					
69	FNA0091850069	21KB544	410	23	9430	2/28/2022					
70	FNA0091850070	21KB544	410	23	9430	2/28/2022					
71	FNA0091850071	21KB544	410	23	9430	2/28/2022	TRI-CA	3/2/2022	3/3/2022	CA220188 C#161919	
72	FNA0091850072	21KB544	410	23	9430	2/28/2022					
73	FNA0091850073	21KB544	410	23	9430	2/28/2022					
74	FNA0091850074	21KB544	410	23	9430	2/28/2022					
75	FNA0091850075	21KB544	410	23	9430	2/28/2022					
76	FNA0091850076	21KB544	410	23	9430	2/28/2022					
77	FNA0091850077	21KB544	410	23	9430	2/28/2022					
78	FNA0091850078	21KB544	410	23	9430	2/28/2022					
79	FNA0091850079	21KB544	410	23	9430	3/1/2022					
80	FNA0091850080	21KB544	410	23	9430	3/1/2022					
81	FNA0091850081	21KB544	410	23	9430	3/1/2022					
82	FNA0091850083	21KB544	410	23	9430	3/1/2022					
83	FNA0091850084	21KB544	410	23	9430	3/1/2022					
84	FNA0091850085	21KB544	410	23	9430	3/1/2022					
85	FNA0091850086	21KB544	410	23	9430	3/1/2022					
86	FNA0091850087	21KB544	410	23	9430	3/1/2022	TRI-CA	3/2/2022	3/4/2022	CA220196 C#161949	

TRI Environmental, Inc. dba Precision Geosynthetic Laboratories International



MANUFACTURI	MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT									
			Maria Expetia							
Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A	TYPE OF MQA: LEVEL (2)	QA by:	, , , ,							
Material: 80mil LLDPE Double Sided Microspike	SAMPLING FREQUENCY: 1/150,000 sq.ft.									
Manufacturer: AGRU										

Location: NV Area Length Width Date Sampled Date Date Reference Job No/ Roll # Lot # No. (ft.) (ft.) (ft²) Manufactured by Sampled Received Control No 87 FNA0091850088 21KB544 410 9430 3/1/2022 23 88 FNA0091850089 21KB544 410 23 9430 3/1/2022 89 FNA0091850090 21KB544 410 23 9430 3/1/2022 90 FNA0091850091 21KB544 410 23 9430 3/1/2022 91 FNA0091850092 21KB544 410 23 9430 3/1/2022 92 FNA0091850093 21KB544 410 23 9430 3/1/2022 21KB544 9430 93 FNA0091850094 410 23 3/1/2022 94 FNA0091850095 21KB544 410 23 9430 3/1/2022 95 FNA0091850096 21KB544 410 23 9430 3/2/2022 96 FNA0091850097 21KB544 410 23 9430 3/2/2022 97 21KB544 FNA0091850098 410 23 9430 3/2/2022 98 FNA0091850099 21KB544 410 23 9430 3/2/2022 99 FNA0091850100 21KB544 410 23 9430 3/2/2022 100 FNA0091850101 21KB544 410 23 9430 3/2/2022 101 FNA0091850102 21KB544 410 23 9430 3/2/2022 TRI-CA 3/2/2022 3/4/2022 CA220196 C#161950 102 FNA0091850103 21KB544 410 23 9430 3/2/2022 103 23 FNA0091850104 21KB544 410 9430 3/2/2022 104 FNA0091850105 21KB544 410 23 9430 3/2/2022 FNA0091850106 21KB544 410 23 9430 3/2/2022 105 106 FNA0091850107 21KB544 410 23 9430 3/2/2022 107 21KB544 410 23 9430 3/2/2022 FNA0091850108 108 FNA0091850109 21KB544 410 23 9430 3/2/2022 109 FNA0091850110 21KB544 410 23 9430 3/2/2022 110 21KB544 FNA0091850111 410 23 9430 3/2/2022 111 FNA0091850112 21KB544 410 23 9430 3/2/2022 112 FNA0091850113 21KB544 410 23 9430 3/3/2022 113 410 FNA0091850114 21KB544 23 9430 3/3/2022 21KB544 114 FNA0091850115 410 23 9430 3/3/2022 115 FNA0091850116 21KB544 410 23 9430 3/3/2022

GAI-LAP



GAI-LAP

	ject Name: <u>Cripple Creek & Victor I</u> Material: <u>80mil LLDPE Double Si</u> nufacturer: <u>AGRU</u> Location: NV	TYPE OF MQA: LEVEL (2) SAMPLING FREQUENCY: 1/150,000 sq.ft.						QA by:			
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No	
116	FNA0091850117	21KB544	410	23	9430	3/3/2022					
117	FNA0091850118	21KB544	410	23	9430	3/3/2022					
118	FNA0091850119	21KB544	410	23	9430	5/24/2019					
				Sub Total ft ² =	603520				ĺ		
				TOTAL #2-	1 112 740				ĺ		

1970 S. Santa Cruz Street, Anaheim, CA 92805, www.precisionlabs.net TRI Environmental, Inc. dba Precision Geosynthetic Laboratories International



March 8, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Long Tree, CO80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the final laboratory report for the Conformance testing of one (1) 80mil LLDPE Double Sided Microspike sample.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A

REFERENCE TRI JOB NO .: CA220175

DATE RECEIVED: February 28, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS: SAMPLE ID

R#FNA0091850001 L#DNK810410

TESTS REQUIRED / PERFORMED:

TEST METHOD 1. ASTM D5994 2. ASTM D6693 3. ASTM D792 4. ASTM D4218

DATE REPORTED: March 8, 2022

TRI CONTROL NUMBER 161880

DESCRIPTION

Thickness Tensile Properties Specific Gravity Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Table 1.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully,

TRI Environmental, Inc. - California

Maries Expetia

Maria Espitia Quality Assurance

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Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the **sample** tested **is** believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month.* On the other hand, should you need us to keep them at a longer period, please advise us in writing..

2 Pages Total (including this sheet)





MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received:	2/28/2022	QC'd By: Maria Expétia
Date Reported:	3/8/2022	TRI Job No.: CA220175
Client Sample ID:	R#FNA0091850001 L#DNK810410	TRI Control No.: 161880
Material Description:	80mil LLDPE Double Sided Microspike	

						S	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													
ASTM D5994	Thickr	iess (mils	;)													
	A	pparatus: De	ad-weight dial	micrometer w	vith gauge poin	nts tapered at	an angle of 60)° +/- 2° to th	e horizontal w	ith the tip						
	rc	ounded to a ra	adius of 0.8+/-0	0.1 mm(0.031	+/-0.004 in), w	vith a specified	force of 0.56	+/-0.05 N (2+/	-0.2 oz)							
	L	oading Time:	5 sec Specir	men Size: 4" :	x 4"											68 min.
		83	84	82	83	83	80	81	82	82	81	82	1	80	84	76 min. av
ASTM D792	Specif		(23/ 23°C)													
/lethod A		0.9325	0.9325									0.9325	0.0000	0.9325	0.9325	0.939 ma
ASTM D6693	Tensile	Properties	<u>s:</u>													
Гуре IV	Т	est Specimer	ns: Type IV, Wi	idth of narrow	section:0.25in	n, Length of na	arrow section:	1.3in, Width C	verall:0.75in,							
		ength Overal			aration: 2"/min	1										
			at Break (I			~~~							40			
	MD	216	246	215	225	226						226	13	215	246	120 min.
	TD	233	255	242	260	250						248	11	233	260	
	Elonga MD	482	eak (percer 537	498	486	Gauge Ler 486	ngtn = 2.0 li	η.				498	22	482	507	250 min.
	TD		537	490 557	400 595	400 575						490 568	22		537	250 mm
ASTM D4218		532 Content	304	557	595	5/5						000	20	532	595	
3 TW D42 TO			uffle Furness													
	A	2.41	uffle Furnace 2.39									2.40	0.01	2.39	2.41	2 - 3
		<u> </u>	2.39									2.40	0.01	2.39	2.41	2-3

(End of Table 1)

(Sheet 1 of 1)





March 9, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Long Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the final laboratory report for the Conformance testing of two (2) 80mil LLDPE Double Sided Microspike samples.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A

REFERENCE TRI JOB NO .: CA220183

DATE RECEIVED: March 02, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID R#FNA0091850046 L#DNK810410 R#FNA0091850056 L#21KB544

TESTS REQUIRED / PERFORMED:

TEST METHOD	DESCRIPTION
1. ASTM D5994	Thickness
2. ASTM D6693	Tensile Properties
3. ASTM D792	Specific Gravity
4. ASTM D4218	Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Tables 1 to 2.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully,

TRI Environmental, Inc. - California

Maria Espetia

Maria Espitia Quality Assurance

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Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the **samples** tested **are** believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month.* On the other hand, should you need us to keep them at a longer period, please advise us in writing.

3 Pages Total (including this sheet)



DATE REPORTED: March 9, 2022

TRI CONTROL NUMBER

161907

161908



Date Received: 3/2/2022 Date Reported: 3/9/2022 Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China TABLE 1.

MATERIAL PROPERTIES

ODECIMENC

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Jorea Expetis QC'd By:

TRI Job No.: CA220183

TRI Control No.: 161907

Client Sample ID: R#FNA0091850046 L#DNK810410 Material Description: 80mil LLDPE Double Sided Microspike

						S	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
IETHOD	DES	CRIPTIC	DN													
STM D5994	Thickr	ness (mil	s)													
	A	Apparatus: De	ead-weight di	al micromete	r with gauge p	oints tapered a	at an angle of	60° +/- 2° to	the horizonta	l with the tip						
	n	ounded to a	radius of 0.8+	/-0.1 mm(0.0	31+/-0.004 in)), with a specifi	ied force of 0.	56+/-0.05 N (2	!+/-0.2 oz)							
	L	oading Time.	:5 sec Spe	cimen Size: 4	4" x 4"											68 min.
		81	81	84	81	80	83	81	81	85	81	82	2	80	85	76 min. ave
STM D792	Specif	fic Gravity	(23/ 23°C	;)												
lethod A		0.9383	0.9384									0.9384	0.0000	0.9383	0.9384	0.939 max
STM D6693	Tensile	e Propertie	es:													
ype IV	7	Fest Specime	ens: Type IV, I	Width of narro	ow section:0.2	5in, Length of	narrow sectio	n:1.3in, Width	Overall:0.75i	n,						
		ength Overa.			aration: 2"/mii	n										
			n at Break													
	MD	206	217	239	246	206						223	19	206	246	120 min.
	TD	247	256	240	262	242						249	9	240	262	
			eak (perc			Gauge Ler	ngth = 2.0 i	n.								
	MD	479	506	541	555	464						509	39	464	555	250 min.
	TD	585	601	565	620	572						589	22	565	620	
STM D4218	Carbor	n Content														
	A		<i>Iuffle Furnace</i>	;												
		2.49	2.38									2.43	0.08	2.38	2.49	2 - 3

(End of Table 1)

(Sheet 1 of 1)

By accepting the data and results presented on this report, the Client agrees to limit the liability of TRI Environmental, Inc. from Client and all other parties for claims on issues, due to the use of this data, to the cost for the respective tests presented in this report; and the Client agrees to indemnify and hold harmless TRI Environmental, Inc. from and against all liabilities in excess of the aforementioned limit.





Date Received: 3/2/2022 Date Reported: 3/9/2022

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-	_	

Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China TABLE 2.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Maria Espetia QC'd By:

TRI Job No.: CA220183 TRI Control No.: 161908

Client Sample ID: R#FNA0091850056 L#21KB544 Material Description: 80mil LLDPE Double Sided Microspike

						S	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIC	DN													
ASTM D5994	Thickr	ness (mil	s)													
	A	Apparatus: D	ead-weight di	ial micromete	r with gauge p	oints tapered a	at an angle of	60° +/- 2° to	the horizontal	with the tip						
	r	ounded to a	radius of 0.8+	-/-0.1 mm(0.0	31+/-0.004 in)	, with a specifi	ed force of 0.	56+/-0.05 N (2	+/-0.2 oz)							
	L	oading Time	e:5 sec Spe	cimen Size: 4	4" x 4"											68 min.
		80	81	81	81	81	82	81	80	80	81	81	1	80	82	76 min. ave
ASTM D792	Specif	fic Gravity	(23/ 23°C	C)												
/lethod A		0.9365	0.9367									0.9366	0.0001	0.9365	0.9367	0.939 max.
ASTM D6693	Tensile	e Propertie	es:													
Type IV	7	Fest Specime	ens: Type IV,	Width of name	ow section:0.2	5in, Length of	narrow sectio	n:1.3in, Width	Overall:0.75ir	٦,						
		ength Overa			aration: 2"/mi	1										
			n at Break													
	MD	249	221	241	231	241						236	11	221	249	120 min.
	TD	206	257	254	228	253						239	22	206	257	
	<u> </u>		eak (perc			Gauge Ler	ngth = 2.0 ii	n.								
	MD	546	510	540	521	539						531	15	510	546	250 min.
	TD	495	604	602	549	593						569	47	495	604	
ASTM D4218		n Content														
	4		Auffle Furnace	9												
		2.43	2.45									2.44	0.01	2.43	2.45	2 - 3

(End of Table 2)

(Sheet 1 of 1)



March 10, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Long Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the final laboratory report for the Conformance testing of two (2) 80mil LLDPE Double Sided Microspike samples.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A

REFERENCE TRI JOB NO .: CA220187

DATE RECEIVED: March 03, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID R#FNA0091850016 L#DNK810410 R#FNA0091850031 L#DNK810410

TESTS REQUIRED / PERFORMED:

TEST METHOD	DESCRIPTION
1. ASTM D5994	Thickness
2. ASTM D6693	Tensile Properties
3. ASTM D792	Specific Gravity
4. ASTM D4218	Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Tables 1 to 2.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully,

TRI Environmental, Inc. - California

Maria Espetia

Maria Espitia Quality Assurance

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C		

Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the samples tested are believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month.* On the other hand, should you need us to keep them at a longer period, please advise us in writing.

3 Pages Total (including this sheet)



DATE REPORTED: March 10, 2022

TRI CONTROL NUMBER

161917

161918

Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 3/2/2022 Date Reported: 3/10/2022 Client Sample ID: R#FNA0091850016 L#DNK810410 Material Description: 80mil LLDPE Double Sided Microspike

RONMEN

QC'd By: Marie Expetia TRI Job No.: CA220187

TRI Control No.: 161917

						S	PECIMENS	6								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													
ASTM D5994	Thickr	ness (mils	5)													
	A	Apparatus: De	ead-weight dial	micrometer w	vith gauge poi	nts tapered at	an angle of 60	° +/- 2° to th	e horizontal w	vith the tip						
	r	ounded to a r	adius of 0.8+/-	0.1 mm(0.031	+/-0.004 in), v	vith a specified	force of 0.56	+/-0.05 N (2+	/-0.2 oz)							
	L	oading Time:	: 5 sec Speci	men Size: 4" >	x 4"											68 min.
		81	82	81	82	80	80	83	80	83	81	81	1	80	83	76 min. ave
ASTM D792	Specit	fic Gravity	(23/ 23°C)													
lethod A		0.9323	0.9323									0.9323	0.0000	0.9323	0.9323	0.939 max
ASTM D6693	Tensile	e Propertie	es:													
Гуре IV	7	est Specime	ns: Type IV, W	idth of narrow	section:0.25i	n, Length of na	arrow section:	1.3in, Width C	verall:0.75in,							
	L	ength Overal	ll: 4.5in	Rate of Sep	aration: 2"/mii	ז										
			i at Break (
	MD	230	256	248	244	217						239	16	217	256	120 min.
	TD	256	282	239	250	264						258	16	239	282	
	Elong		eak (perce	nt, %)		Gauge Ler	ngth = 2.0 ii	า.								
	MD	518	552	570	535	527						540	21	518	570	250 min.
	TD	604	647	572	582	617						604	30	572	647	
STM D4218	Carbor	n Content														
	A	Apparatus: M	luffle Furnace													
		2.38	2.41									2.39	0.02	2.38	2.41	2 - 3

(End of Table 1)

(Sheet 1 of 1)



Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 2.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 3/2/2022 Date Reported: 3/10/2022 Client Sample ID: R#FNA0091850031 L#DNK810410 Material Description: 80mil LLDPE Double Sided Microspike QC'd By: Maria Expitia TRI Job No.: CA220187

TRI Control No.: 161918

						S	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIC	DN													
ASTM D5994	Thick	ness (mil	s)													
	A	Apparatus: D	ead-weight dia	micrometer	with gauge po	oints tapered a	t an angle of 6	60° +/- 2° to i	the horizontal	with the tip						
	r	ounded to a	radius of 0.8+/-	0.1 mm(0.03	1+/-0.004 in),	with a specifie	ed force of 0.5	56+/-0.05 N (2	+/-0.2 oz)							
	L		:5 sec Spec	imen Size: 4"												68 min.
		84	83	81	80	81	82	81	83	80	83	82	1	80	84	76 min. av
ASTM D792	Speci	fic Gravity	· · /													
lethod A		0.9363	0.9364									0.9363	0.0000	0.9363	0.9364	0.939 max
ASTM D6693	Tensile	e Propertie	es:													
Гуре IV			ens: Type IV, V	/idth of narro	w section:0.25	5in, Length of r	narrow section	n:1.3in, Width	Overall:0.75ir	Ι,						
		ength Overa			aration: 2"/mi	n										
			n at Break			~										
	MD	221	230	234	230	245						232	9	221	245	120 min.
	TD	286	223	272	271	246						260	25	223	286	
	Ŭ		reak (perce			Gauge Ler	ngth = 2.0 i	n.								
	MD	513	501	514	428	546						500	44	428	546	250 min.
	TD	660	536	633	622	570						604	50	536	660	
STM D4218		n Content														
	A		Auffle Furnace													
		2.43	2.42									2.42	0.01	2.42	2.43	2 - 3

(End of Table 2)

(Sheet 1 of 1)







March 10, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Long Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the final laboratory report for the Conformance testing of one (1) 80mil LLDPE Double Sided Microspike sample.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A

REFERENCE TRI JOB NO .: CA220188

DATE RECEIVED: March 03, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS: SAMPLE ID R#FNA0091850071 L#21KB544

TESTS REQUIRED / PERFORMED:

TEST METHOD 1. ASTM D5994 2. ASTM D6693 3. ASTM D792

4. ASTM D4218

DATE REPORTED: March 10, 2022

TRI CONTROL NUMBER 161919

DESCRIPTION

Thickness Tensile Properties Specific Gravity Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Table 1.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully,

TRI Environmental, Inc. - California

Maria Espetia

Maria Espitia Quality Assurance

ARC

Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the sample tested is believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month.* On the other hand, should you need us to keep them at a longer period, please advise us in writing.

2 Pages Total (including this sheet)



Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 3/3/2022 Date Reported: 3/10/2022 Client Sample ID: R#FNA0091850071 L#21KB544 Material Description: 80mil LLDPE Double Sided Microspike

RONME

QC'd By: Marie Expitia TRI Job No.: CA220188

TRI Control No.: 161919

						S	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIC	DN													
STM D5994	Thickr	ness (mil	s)													
	A	Apparatus: De	ead-weight dial	micrometer w	rith gauge poir	nts tapered at	an angle of 60	0° +/- 2° to th	e horizontal w	vith the tip						
	r	ounded to a	radius of 0.8+/-	0.1 mm(0.031	+/-0.004 in), v	vith a specified	d force of 0.56	6+/-0.05 N (2+	/-0.2 oz)							
	L	oading Time	: 5 sec Speci	men Size: 4" x	(4"											68 min.
		82	82	82	82	80	81	81	80	80	80	81	1	80	82	76 min. ave
ASTM D792	Speci	fic Gravity	(23/ 23°C)													
lethod A		0.9385	0.9385									0.9385	0.0000	0.9385	0.9385	0.939 max
ASTM D6693	Tensile	e Propertie	es:													
Гуре IV	7	Fest Specime	ens: Type IV, W	idth of narrow	section:0.25i	n, Length of na	arrow section:	1.3in, Width C	Overall:0.75in,							
		ength Overa.			aration: 2"/mii	ז										
			n at Break (
	MD	232	236	249	214	236						233	12	214	249	120 min.
	TD	249	261	248	242	235		-				247	10	235	261	
			eak (perce			Gauge Lei	ngth = 2.0 i	n.								
	MD	541	533	555	481	535						529	28	481	555	250 min.
	TD	584	627	575	591	566						588	24	566	627	
STM D4218	Carbo	n Content														
	A		<i>fuffle Furnace</i>													
		2.36	2.31									2.33	0.04	2.31	2.36	2 - 3

(End of Table 1)

(Sheet 1 of 1)

GAI-LA



March 11, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Long Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the final laboratory report for the Conformance testing of two (2) 80mil LLDPE Double Sided Microspike samples.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A

REFERENCE TRI JOB NO .: CA220196

DATE RECEIVED: March 04, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID R#FNA0091850087 L#21KB544 R#FNA0091850102 L#21KB544

TESTS REQUIRED / PERFORMED:

TEST METHOD	DESCRIPTION
1. ASTM D5994	Thickness
2. ASTM D6693	Tensile Properties
3. ASTM D792	Specific Gravity
4. ASTM D4218	Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Tables 1 to 2.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully,

TRI Environmental, Inc. - California

Maria Espetia

Maria Espitia Quality Assurance

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Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the samples tested are believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month*. On the other hand, should you need us to keep them at a longer period, please advise us in writing.

3 Pages Total (including this sheet)



DATE REPORTED: March 11, 2022

TRI CONTROL NUMBER

161949

161950



Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 3/4/2022 Date Reported: 3/11/2022 Client Sample ID: R#FNA0091850087 L#21KB544 Material Description: 80mil LLDPE Double Sided Microspike QC'd By Maria Espitia

iai-la

TRI Job No.: CA220196 TRI Control No.: 161949

						S	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													
ASTM D5994	Thickr	ness (mils	3)													
	A	Apparatus: De	ad-weight dial	micrometer w	ith gauge poin	nts tapered at a	an angle of 60	° +/- 2° to the	e horizontal wi	ith the tip						
	r	ounded to a ra	adius of 0.8+/-	0.1 mm(0.031	+/-0.004 in), w	vith a specified	force of 0.56	+/-0.05 N (2+/	-0.2 oz)							
	L	oading Time:	5 sec Speci	men Size: 4" >	: 4"											68 min.
		81	80	81	80	82	81	81	83	80	81	81	1	80	83	76 min. ave
ASTM D792	Speci	fic Gravity	(23/ 23°C))												
/lethod A		0.9385	0.9383									0.9384	0.0001	0.9383	0.9385	0.939 max.
STM D6693	Tensile	e Propertie	<u>s:</u>													
Гуре IV	7	Fest Specimer	ns: Type IV, W	idth of narrow	section:0.25ir	n, Length of na	arrow section:	1.3in, Width O	verall:0.75in,							
		ength Overal.			aration: 2"/min	r										
			at Break													
	MD	242	230	223	245	212						231	14	212	245	120 min.
	TD	272	261	259	254	251						260	8	251	272	
			eak (perce			Gauge Ler	ngth = 2.0 i	n.								
	MD	523	546	534	521	515						528	12	515	546	250 min.
	TD	640	618	604	619	594						615	18	594	640	
STM D4218	Carbor	n Content														
	A		uffle Furnace													
		2.47	2.40									2.43	0.05	2.40	2.47	2 - 3

(End of Table 1)

(Sheet 1 of 1)



Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 2.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 3/4/2022 Date Reported: 3/11/2022 Client Sample ID: R#FNA0091850102 L#21KB544 Material Description: 80mil LLDPE Double Sided Microspike QC'd By: Maria Expitia TRI Job No.: CA220196 iai-la

TRI Control No.: 161950

						S	PECIMENS	6								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DESC	RIPTIC	DN													1
ASTM D5994	Thickne	ess (mil	s)													1
	Ap	paratus: De	ead-weight dial	micrometer w	ith gauge poi	nts tapered at a	an angle of 60 ^c	+/- 2° to the	e horizontal wit	th the tip						1
	rou	inded to a i	radius of 0.8+/-	0.1 mm(0.031 [.]	+/-0.004 in), I	with a specified	force of 0.56+	/-0.05 N (2+/-	-0.2 oz)							1
	Loa	ading Time.	:5 sec Speci	imen Size: 4" x	- 4"											68 min.
		81	82	80	81	81	83	81	83	81	81	81	1	80	83	76 min. ave
ASTM D792	Specific	c Gravity	(23/ 23°C))												1
Method A	C).9321	0.9320									0.9320	0.0001	0.9320	0.9321	0.939 max.
ASTM D6693	Tensile	Propertie	es:													l l
Type IV	Tes	st Specime	ns: Type IV, W	idth of narrow	section:0.25	in, Length of na	rrow section:1.	3in, Width O	verall:0.75in,							1
		ngth Overa		,	aration: 2"/mi	in										1
			n at Break													l l
	MD	236	218	253	213	226						229	16	213	253	120 min.
	TD	249	268	268	253	259						259	9	249	268	1
			eak (perce				ngth = 2.0 ir	1.								l
	MD	512	528	550	528	492						522	22	492	550	250 min.
	TD	591	633	633	599	609						613	19	591	633	1
ASTM D4218	Carbon															1
			luffle Furnace									0.44	0.04			
		2.38	2.44									2.41	0.04	2.38	2.44	2 - 3

(End of Table 2)

(Sheet 1 of 1)



GAI-LAP

Proj	ect Name: Cripple Creek & Victor	r Mine VLF2 Ph 3A		TYF	PE OF MQA:	LEVEL (2)		QA by:	Maries	. Expitia
	Material: 80mil LLDPE Microspi	ike	s	AMPLING FF	REQUENCY:	1/150,000 sq.ft	t.			
Man	ufacturer: AGRU SO#16473		-							
	Location: NV	1								
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
1	FND0103600003	DPF811480	410	23	9430	9/9/2022	TRI-CA	9/13/2022	9/15/2022	CA221090 C#166764
2	FND0103600004	DPF811480	410	23	9430	9/9/2022				
3	FND0103600005	DPF811480	410	23	9430	9/9/2022				
4	FND0103600006	DPF811480	410	23	9430	9/9/2022				
5	FND0103600007	DPF811480	410	23	9430	9/9/2022				
6	FND0103600008	DPF811480	410	23	9430	9/10/2022				
7	FND0103600009	DPF811480	410	23	9430	9/10/2022				
8	FND0103600010	DPF811480	410	23	9430	9/10/2022				
9	FND0103600011	DPF811480	410	23	9430	9/10/2022				
10	FND0103600012	DPF811480	410	23	9430	9/10/2022				
11	FND0103600013	DPF811480	410	23	9430	9/10/2022				
12	FND0103600014	DPF811480	410	23	9430	9/10/2022				
13	FND0103600015	DPF811480	410	23	9430	9/10/2022				
14	FND0103600016	DPF811480	410	23	9430	9/10/2022				
15	FND0103600017	DPF811480	410	23	9430	9/10/2022				
16	FND0103600018	DPF811480	410	23	9430	9/10/2022	TRI-CA	9/13/2022	9/15/2022	CA221090 C#166765
17	FND0103600019	DPF811480	410	23	9430	9/10/2022				
18	FND0103600020	DPF811480	410	23	9430	9/10/2022				
19	FND0103600021	DPF811480	410	23	9430	9/10/2022				
20	FND0103600022	DPF811480	410	23	9430	9/11/2022				
21	FND0103600023	DPF811480	410	23	9430	9/11/2022				
22	FND0103600024	DPF811480	410	23	9430	9/11/2022				
23	FND0103600025	DPF811480	410	23	9430	9/11/2022				
24	FND0103600026	DPF811480	410	23	9430	9/11/2022				
25	FND0103600027	DPF811480	410	23	9430	9/11/2022				
26	FND0103600028	DPF811480	410	23	9430	9/11/2022				
27	FND0103600029	DPF811480	410	23	9430	9/11/2022				
28	FND0103600030	DPF811480	410	23	9430	9/11/2022				



GAI-LAP

Proje	ect Name: Cripple Creek & Victor	r Mine VLF2 Ph 3A		TYF	PE OF MQA:	LEVEL (2)		QA by:	Maries	a Expetia
	Material: 80mil LLDPE Microspi	ike	s	AMPLING FF	REQUENCY:	1/150,000 sq.f	t.			
Manu	ufacturer: AGRU SO#16473									
I	Location: NV									
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
29	FND0103600031	DPF811480	410	23	9430	9/11/2022				
30	FND0103600032	DPF811480	410	23	9430	9/11/2022				
31	FND0103600033	DPF811480	410	23	9430	9/11/2022	TRI-CA	9/13/2022	9/15/2022	CA221090 C#166766
32	FND0103600034	DPF811480	410	23	9430	9/11/2022				
33	FND0103600035	DPF811480	410	23	9430	9/11/2022				
34	FND0103600036	DPF811480	410	23	9430	9/11/2022				
35	FND0103600037	DPF811480	410	23	9430	9/12/2022				
36	FND0103600038	DPF811480	410	23	9430	9/12/2022				
37	FND0103600039	DPF811480	410	23	9430	9/12/2022				
38	FND0103600040	DPF811480	410	23	9430	9/12/2022				
39	FND0103600041	DPF811480	410	23	9430	9/12/2022				
40	FND0103600042	DPF811480	410	23	9430	9/12/2022				
41	FND0103600043	DPF811480	410	23	9430	9/12/2022				
42	FND0103600044	DPF811480	410	23	9430	9/12/2022				
43	FND0103600045	DPF811480	410	23	9430	9/12/2022				
44	FND0103600046	DPF811480	410	23	9430	9/12/2022				
45	FND0103600047	DPF811480	410	23	9430	9/12/2022				
46	FND0103600048	DPF811480	410	23	9430	9/12/2022	TRI-CA	9/13/2022	9/15/2022	CA221090 C#166767
47	FND0103600049	DPF811480	410	23	9430	9/12/2022				
48	FND0103600050	DPF811480	410	23	9430	9/12/2022				
49	FND0103600051	DPF811480	410	23	9430	9/12/2022				
50	FND0103600052	DPF811480	410	23	9430	9/13/2022				
51	FND0103600053	DPF811480	410	23	9430	9/13/2022				
52	FND0103600054	DPF811480	410	23	9430	9/13/2022				
53	FND0103600055	DPF811480	410	23	9430	9/13/2022				
54	FND0103600056	DPF811480	410	23	9430	9/13/2022				
55	FND0103600057	DPF811480	410	23	9430	9/13/2022				
56	FND0103600058	DPF811480	410	23	9430	9/13/2022				



.

GAI-LAP

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A				TYP	E OF MQA:	LEVEL (2)	_ QA by:			
	Material: 80mil LLDPE Microspil	ke		SAMPLING FR	EQUENCY:	1/150,000 sq.ft	t.			
Ma	nufacturer: AGRU SO#16473		-							
	Location: NV									
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft ²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
57	FND0103600059	DPF811480	410	23	9430	9/13/2022				
58	FND0103600060	DPF811480	410	23	9430	9/13/2022				
59	FND0103600061	DPF811480	410	23	9430	9/13/2022				
60	FND0103600062	DPF811480	410	23	9430	9/13/2022				
61	FND0103600063	DPF811480	410	23	9430	9/13/2022	TRI-CA	9/14/2022	9/16/2022	CA221097 C#166807
62	FND0103600064	DPF811480	410	23	9430	9/13/2022				
				Sub Total ft ² =	584660					
63	FND0103600065	DPH810510	410	23	9430	9/13/2022				
64	FND0103600066	DPH810510	410	23	9430	9/14/2022				
65	FND0103600067	DPH810510	410	23	9430	9/14/2022				
66	FND0103600068	DPH810510	410	23	9430	9/14/2022				
67	FND0103600069	DPH810510	410	23	9430	9/14/2022				
68	FND0103600070	DPH810510	410	23	9430	9/14/2022				
69	FND0103600071	DPH810510	410	23	9430	9/14/2022				
70	FND0103600072	DPH810510	410	23	9430	9/14/2022				
71	FND0103600073	DPH810510	410	23	9430	9/14/2022				
				Sub Total ft ² =	84870					
72	FND0103600074	DPF811480	410	23	9430	9/14/2022				
73	FND0103600075	DPF811480	410	23	9430	9/14/2022				
74	FND0103600076	DPF811480	410	23	9430	9/14/2022				
75	FND0103600077	DPF811480	410	23	9430	9/14/2022				
				Sub Total ft ² =	37720					
76	FND0103600078	DPF811350	410	23	9430	9/14/2022	TRI-CA	9/16/2022	9/21/2022	CA221120 C#166946
77	FND0103600079	DPF811350	410	23	9430	9/14/2022				
78	FND0103600080	DPF811350	410	23	9430	9/14/2022				
79	FND0103600081	DPF811350	410	23	9430	9/15/2022				
80	FND0103600082	DPF811350	410	23	9430	9/15/2022				
81	FND0103600083	DPF811350	410	23	9430	9/15/2022				



GAI-LAP

Pro	ject Name: Cripple Creek & Victor	Mine VLF2 Ph 3A		TYPE	E OF MQA:	LEVEL (2)		QA by:	Marie	Expetia
	Material: 80mil LLDPE Microspik		-			1/150,000 sq.ft				
Ма	nufacturer: AGRU SO#16473		_							
	Location: NV									
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
82	FND0103600084	DPF811350	410	23	9430	9/15/2022				
83	FND0103600085	DPF811350	410	23	9430	9/15/2022				
84	FND0103600087	DPF811350	410	23	9430	9/15/2022				
85	FND0103600088	DPF811350	410	23	9430	9/15/2022				
86	FND0103600089	DPF811350	410	23	9430	9/15/2022				
87	FND0103600090	DPF811350	410	23	9430	9/15/2022				
88	FND0103600091	DPF811350	410	23	9430	9/16/2022				
89	FND0103600092	DPF811350	410	23	9430	9/16/2022				
90	FND0103600093	DPF811350	410	23	9430	9/16/2022				
91	FND0103600094	DPF811350	410	23	9430	9/16/2022	TRI-CA	9/20/2022	9/22/2022	CA221122 C#166950
				Sub Total ft ² =	150880					
92	FND0103600095	DPH810510	410	23	9430	9/16/2022				
93	FND0103600096	DPH810510	410	23	9430	9/16/2022				
94	FND0103600097	DPH810510	410	23	9430	9/16/2022				
95	FND0103600098	DPH810510	410	23	9430	9/16/2022				
96	FND0103600099	DPH810510	410	23	9430	9/16/2022				
97	FND0103600100	DPH810510	410	23	9430	9/16/2022				
98	FND0103600101	DPH810510	410	23	9430	9/16/2022				
99	FND0103600102	DPH810510	410	23	9430	9/16/2022				
100	FND0103600103	DPH810510	410	23	9430	9/16/2022				
101	FND0103600106	DPH810510	410	23	9430	9/17/2022				
102	FND0103600107	DPH810510	410	23	9430	9/17/2022				
103	FND0103600108	DPH810510	410	23	9430	9/17/2022				
104	FND0103600109	DPH810510	410	23	9430	9/17/2022				
105	FND0103600110	DPH810510	410	23	9430	9/17/2022				
106	FND0103600111	DPH810510	410	23	9430	9/17/2022	TRI-CA	9/20/2022	9/22/2022	CA221122 C#166951
107	FND0103600112	DPH810510	410	23	9430	9/17/2022				
108	END0103600114	DPH810510	410	23	9430	9/17/2022				



GAI-LAP

Project I	Name: Cripple Creek & Victor	or Mine VLF2 Ph 3A	-	TYF	PE OF MQA:	LEVEL (2)		QA by:	Marie	pring
Ма	terial: 80mil LLDPE Microsp	oike	. s	AMPLING FF	REQUENCY:	1/150,000 sq.ft	t.			
	cturer: AGRU SO#16473		-							
Loc	ation: NV	1	1			1			1	I
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
109	FND0103600115	DPH810510	410	23	9430	9/17/2022				
110	FND0103600116	DPH810510	410	23	9430	9/17/2022				
111	FND0103600117	DPH810510	410	23	9430	9/17/2022				
112	FND0103600118	DPH810510	410	23	9430	9/17/2022				
113	FND0103600119	DPH810510	410	23	9430	9/17/2022				
114	FND0103600120	DPH810510	410	23	9430	9/17/2022				
115	FND0103600121	DPH810510	410	23	9430	9/18/2022				
116	FND0103600122	DPH810510	410	23	9430	9/18/2022				
117	FND0103600123	DPH810510	410	23	9430	9/18/2022				
118	FND0103600124	DPH810510	410	23	9430	9/18/2022				
119	FND0103600125	DPH810510	410	23	9430	9/18/2022				
120	FND0103600126	DPH810510	410	23	9430	9/18/2022				
121	FND0103600127	DPH810510	410	23	9430	9/18/2022	TRI-CA	9/20/2022	9/22/2022	CA221122 C#166952
122	FND0103600128	DPH810510	410	23	9430	9/18/2022				
123	FND0103600129	DPH810510	410	23	9430	9/18/2022				
124	FND0103600130	DPH810510	410	23	9430	9/18/2022				
125	FND0103600131	DPH810510	410	23	9430	9/18/2022				
126	FND0103600132	DPH810510	410	23	9430	9/18/2022				
127	FND0103600133	DPH810510	410	23	9430	9/18/2022				
128	FND0103600134	DPH810510	410	23	9430	9/18/2022				
129	FND0103600135	DPH810510	410	23	9430	9/19/2022				
130	FND0103600136	DPH810510	410	23	9430	9/19/2022				
131	FND0103600137	DPH810510	410	23	9430	9/19/2022				
132	FND0103600138	DPH810510	410	23	9430	9/19/2022				
133	FND0103600139	DPH810510	410	23	9430	9/19/2022				
134	FND0103600140	DPH810510	410	23	9430	9/19/2022				
135	FND0103600141	DPH810510	410	23	9430	9/19/2022				
136	FND0103600142	DPH810510	410	23	9430	9/19/2022	TRI-CA	9/20/2022	9/22/2022	CA221122 C#166953



MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project	Name: Cripple Creek & Victo		TYF	E OF MQA:	LEVEL (2)		QA by:	Maries	a cipetia	
Ма	aterial: 80mil LLDPE Microsp	oike	. s	AMPLING FF	REQUENCY:	1/150,000 sq.ft	t.			
Manufa	cturer: AGRU SO#16473									
Loc	cation: NV	1								
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft ²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
137	FND0103600143	DPH810510	410	23	9430	9/19/2022				
138	FND0103600144	DPH810510	410	23	9430	9/19/2022				
139	FND0103600145	DPH810510	410	23	9430	9/19/2022				
140	FND0103600146	DPH810510	410	23	9430	9/19/2022				
141	FND0103600147	DPH810510	410	23	9430	9/19/2022				
142	FND0103600148	DPH810510	410	23	9430	9/19/2022				
143	FND0103600149	DPH810510	410	23	9430	9/19/2022				
144	FND0103600150	DPH810510	410	23	9430	9/20/2022				
145	FND0103600151	DPH810510	410	23	9430	9/20/2022				
146	FND0103600152	DPH810510	410	23	9430	9/20/2022				
147	FND0103600153	DPH810510	410	23	9430	9/20/2022				
148	FND0103600154	DPH810510	410	23	9430	9/20/2022				
149	FND0103600155	DPH810510	410	23	9430	9/20/2022				
150	FND0103600156	DPH810510	410	23	9430	9/20/2022				
151	FND0103600157	DPH810510	410	23	9430	9/20/2022	TRI-CA	9/22/2022	9/26/2022	CA221132 C#166984
152	FND0103600158	DPH810510	410	23	9430	9/20/2022				
153	FND0103600159	DPH810510	410	23	9430	9/20/2022				
154	FND0103600160	DPH810510	410	23	9430	9/20/2022				
155	FND0103600161	DPH810510	410	23	9430	9/20/2022				
156	FND0103600162	DPH810510	410	23	9430	9/20/2022				
157	FND0103600163	DPH810510	410	23	9430	9/20/2022				
158	FND0103600164	DPH810510	410	23	9430	9/21/2022				
159	FND0103600165	DPH810510	410	23	9430	9/21/2022				
160	FND0103600166	DPH810510	410	23	9430	9/21/2022				
161	FND0103600167	DPH810510	410	23	9430	9/21/2022				
162	FND0103600168	DPH810510	410	23	9430	9/21/2022				
163	FND0103600169	DPH810510	410	23	9430	9/21/2022				
164	FND0103600170	DPH810510	410	23	9430	9/21/2022				

GAI-LAP



GAI-LAP

Project	Name: Cripple Creek & Victo	or Mine VLF2 Ph 3A		ТҮР	E OF MQA:	LEVEL (2)		QA by:	Maries	a Expetia
	aterial: 80mil LLDPE Microsp			AMPLING FR	EQUENCY:	1/150,000 sq.ft	t.			
Manufa	cturer: AGRU SO#16473									
Lo	cation: NV						-		-	
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft ²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
165	FND0103600171	DPH810510	410	23	9430	9/21/2022				
166	FND0103600173	DPH810510	410	23	9430	9/21/2022	TRI-CA	9/22/2022	9/26/2022	CA221132 C#166985
167	FND0103600174	DPH810510	410	23	9430	9/21/2022				
168	FND0103600175	DPH810510	410	23	9430	9/21/2022				
169	FND0103600176	DPH810510	410	23	9430	9/21/2022				
170	FND0103600177	DPH810510	410	23	9430	9/21/2022				
171	FND0103600178	DPH810510	410	23	9430	9/21/2022				
172	FND0103600179	DPH810510	410	23	9430	9/22/2022				
173	FND0103600180	DPH810510	410	23	9430	9/22/2022				
174	FND0103600181	DPH810510	410	23	9430	9/22/2022				
175	FND0103600182	DPH810510	410	23	9430	9/22/2022				
176	FND0103600183	DPH810510	410	23	9430	9/22/2022				
177	FND0103600184	DPH810510	410	23	9430	9/22/2022				
178	FND0103600185	DPH810510	410	23	9430	9/22/2022				
179	FND0103600186	DPH810510	410	23	9430	9/22/2022				
180	FND0103600187	DPH810510	410	23	9430	9/22/2022				
		-		Sub Total ft ² =	839270					
181	FND0103600188	DPH810490	410	23	9430	9/22/2022	TRI-CA	9/23/2022	9/27/2022	CA221140 C#167063
182	FND0103600189	DPH810490	410	23	9430	9/22/2022				
183	FND0103600190	DPH810490	410	23	9430	9/22/2022				
184	FND0103600191	DPH810490	410	23	9430	9/22/2022				
185	FND0103600192	DPH810490	410	23	9430	9/22/2022				
186	FND0103600193	DPH810490	410	23	9430	9/22/2022				
187	FND0103600194	DPH810490	410	23	9430	9/23/2022				
188	FND0103600195	DPH810490	410	23	9430	9/23/2022				
189	FND0103600196	DPH810490	410	23	9430	9/23/2022				
190	FND0103600197	DPH810490	410	23	9430	9/23/2022				
191	FND0103600198	DPH810490	410	23	9430	9/23/2022				



GAI-LAP

Project	Name: Cripple Creek & Victor	or Mine VLF2 Ph 3A		TYF	PE OF MQA:	LEVEL (2)		QA by:	Marie	Juna
Ма	terial: 80mil LLDPE Microsp	oike	. 5	SAMPLING FF	REQUENCY:	1/150,000 sq.ft	t.			
Manufac	cturer: AGRU SO#16473									
Loc	ation: NV	1		1						
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
192	FND0103600199	DPH810490	410	23	9430	9/23/2022				
193	FND0103600200	DPH810490	410	23	9430	9/23/2022				
194	FND0103600201	DPH810490	410	23	9430	9/23/2022				
195	FND0103600202	DPH810490	410	23	9430	9/23/2022				
196	FND0103600203	DPH810490	410	23	9430	9/23/2022	TRI-CA	9/26/2022	9/28/2022	CA221145 C#167080
197	FND0103600204	DPH810490	410	23	9430	9/23/2022				
198	FND0103600205	DPH810490	410	23	9430	9/23/2022				
199	FND0103600206	DPH810490	410	23	9430	9/23/2022				
200	FND0103600207	DPH810490	410	23	9430	9/23/2022				
201	FND0103600208	DPH810490	410	23	9430	9/23/2022				
202	FND0103600209	DPH810490	410	23	9430	9/24/2022				
203	FND0103600210	DPH810490	410	23	9430	9/24/2022				
204	FND0103600211	DPH810490	410	23	9430	9/24/2022				
205	FND0103600212	DPH810490	410	23	9430	9/24/2022				
206	FND0103600213	DPH810490	410	23	9430	9/24/2022				
207	FND0103600214	DPH810490	410	23	9430	9/24/2022				
208	FND0103600215	DPH810490	410	23	9430	9/24/2022				
209	FND0103600216	DPH810490	410	23	9430	9/24/2022				
210	FND0103600217	DPH810490	410	23	9430	9/24/2022				
211	FND0103600218	DPH810490	410	23	9430	9/24/2022	TRI-CA	9/26/2022	9/28/2022	CA221145 C#167081
212	FND0103600219	DPH810490	410	23	9430	9/24/2022				
213	FND0103600220	DPH810490	410	23	9430	9/24/2022				
214	FND0103600222	DPH810490	410	23	9430	9/24/2022				
215	FND0103600223	DPH810490	410	23	9430	9/25/2022				
216	FND0103600224	DPH810490	410	23	9430	9/25/2022				
217	FND0103600225	DPH810490	410	23	9430	9/25/2022				
218	FND0103600226	DPH810490	410	23	9430	9/25/2022				
219	FND0103600227	DPH810490	410	23	9430	9/25/2022				



Pro	ject Name: Cripple Creek & Victor		TYP	E OF MQA:	QA by:					
	Material: 80mil LLDPE Microspik	æ		SAMPLING FR	EQUENCY:	1/150,000 sq.ft	t.			
Ма	nufacturer: AGRU SO#16473									
	Location: NV									
No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft ²)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
220	FND0103600228	DPH810490	410	23	9430	9/25/2022				
221	FND0103600229	DPH810490	410	23	9430	9/25/2022				
222	FND0103600230	DPH810490	410	23	9430	9/25/2022				
223	FND0103600231	DPH810490	410	23	9430	9/25/2022				
224	FND0103600232	DPH810490	410	23	9430	9/25/2022				
225	FND0103600233	DPH810490	410	23	9430	9/25/2022				
226	FND0103600234	DPH810490	410	23	9430	9/25/2022				
227	FND0103600235	DPH810490	410	23	9430	9/25/2022				
228	FND0103600236	DPH810490	410	23	9430	9/25/2022				
229	FND0103600237	DPH810490	410	23	9430	9/25/2022				
230	FND0103600238	DPH810490	410	23	9430	9/26/2022				
				Sub Total ft ² =	471500					
				TOTAL #2 =	2 168 900					



TRI CONTROL NUMBER

166764

166765

166766

166767

September 21, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Lone Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the final laboratory report for the Conformance testing of four (4) 80mil LLDPE Double Sided Microspike samples.

PROJECT NAME:	Cripple Creek & Victor Mine VLF2 Ph 3A CQA
---------------	--

REFERENCE TRI JOB NO .: CA221090

DATE RECEIVED: September 15, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

 SAMPLE ID

 R#FND0103600003
 L#DPF811480

 R#FND0103600018
 L#DPF811480

 R#FND0103600033
 L#DPF811480

 R#FND0103600048
 L#DPF811480

TESTS REQUIRED / PERFORMED:	
TEST METHOD	DESCRIPTION
1. ASTM D5994	Thickness
2. ASTM D6693	Tensile Properties
3. ASTM D792	Specific Gravity
4. ASTM D4218	Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Tables 1 to 4.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully, TRI Environmental, Inc. - California

Maria Expetia

Maria Espitia Quality Assurance

100

Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the samples tested are believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month*. On the other hand, should you need us to keep them at a longer period, please advise us in writing.

5 Pages Total (including this sheet)



DATE REPORTED: September 21, 2022

Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/15/2022 Date Reported: 9/21/2022 Client Sample ID: R#FND0103600003 L#PDF811480 Material Description: 80mil LLDPE Double Sided Microspike QC'd By: Maria Experiia

AI-LA

TRI Job No.: CA221090 TRI Control No.: 166764

						S	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													
ASTM D5994	Thickr	ness (mils	s)													
	A	pparatus: De	ad-weight dial	micrometer w												
	ro	ounded to a r	adius of 0.8+/-0	0.1 mm(0.031·												
	L	oading Time:	5 sec Specir	men Size: 4" x					68 min.							
		80	81	84	82	81	85	80	80	82	80	81	2	80	85	76 min. ave.
ASTM D792	Specif	fic Gravity	(23/ 23°C)													
Method A		0.9366	0.9364									0.9365	0.0001	0.9364	0.9366	0.939 max.
ASTM D6693	Tensile	e Propertie	<u>s:</u>													
Type IV	7	est Specime	ns: Type IV, Wi	idth of narrow	section:0.25i	n, Length of na	rrow section:1	1.3in, Width O	verall:0.75in,							
		Length Overall: 4.5in Rate of Separation: 2"/min														
	Tensile Strength at Break (lbs/ in width)															
	MD	235	226	241	251	244						240	10	226	251	120 min.
	TD	283	265	249	246	279						265	17	246	283	
			eak (perce			Gauge Length = 2.0 in.										
	MD	513	480	519	548	533						519	25	480	548	250 min.
	TD	641	604	582	576	639						608	31	576	641	
ASTM D4218		n Content														
	A	<u> </u>	uffle Furnace										0.00			
		2.46	2.43									2.44	0.02	2.43	2.46	2 - 3

(End of Table 1)

(Sheet 1 of 1)



GAI-LA

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TABLE 2.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/15/2022 Date Reported: 9/21/2022 Client Sample ID: R#FND0103600018 L#PDF811480 Material Description: 80mil LLDPE Double Sided Microspike QC'd By: Maria Espetia

TRI Job No.: CA221090 TRI Control No.: 166765

	SPECIMENS												Proj.			
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													1
ASTM D5994	Thickr	ness (mils	6)													
	A	Apparatus: De	ad-weight dial i	nicrometer w												
	n	ounded to a ra	adius of 0.8+/-0	.1 mm(0.031-												
	L	oading Time:	5 sec Specin	nen Size: 4" x						68 min.						
		83	83	84	80	83	81	81	81	82	81	82	1	80	84	76 min. ave
ASTM D792	Specit	fic Gravity	(23/ 23°C)													
Method A		0.9377	0.9373									0.9375	0.0003	0.9373	0.9377	0.939 max
ASTM D6693	<u>Tensile</u>	e Propertie	<u>s:</u>													
Гуре IV	7	Fest Specimer	ns: Type IV, Wi	dth of narrow	section:0.25i	n, Length of nai	rrow section:1	1.3in, Width C	verall:0.75in,							
	Length Overall: 4.5in Rate of Separation: 2"/min															
	Tensile Strength at Break (lbs/ in width)															
	MD	234	251	233	221	239						236		221	251	120 min.
	TD	260	266	256	267	262						262	4	256	267	
			eak (percei			Gauge Ler	igth = 2.0 i	n.								
	MD	525	564	513	494	526						524	26	494	564	250 min.
	TD	604	602	580	610	593						598	11	580	610	
ASTM D4218		n Content														
	A	<u></u>	uffle Furnace													
		2.47	2.49									2.48	0.01	2.47	2.49	2 - 3

(End of Table 2)

(Sheet 1 of 1)

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TABLE 3.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/15/2022 Date Reported: 9/21/2022 Client Sample ID: R#FND0103600033 L#PDF811480 Material Description: 80mil LLDPE Double Sided Microspike

RONN

QC'd BY: TRI Job No.: CA221090 TRI Control No.: 166766 AI-LA

	SPECIMENS														Proj.	
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													
ASTM D5994	Thickr	ness (mils	s)													
	A	Apparatus: De	ad-weight dial i	nicrometer wi												
	n	ounded to a r	adius of 0.8+/-0	0.1 mm(0.031-												
	L	oading Time:	5 sec Specin	nen Size: 4" x					68 min.							
		81	81	84	80	80	80	83	83	81	80	81	1	80	84	76 min. ave
ASTM D792	Specif	fic Gravity	(23/ 23°C)													
Method A		0.9368	0.9364									0.9366	0.0003	0.9364	0.9368	0.939 max.
ASTM D6693	Tensile	e Propertie	IS:													
Type IV			ns: Type IV, Wi				rrow section:1	.3in, Width O	/erall:0.75in,							
	Length Overall: 4.5in Rate of Separation: 2"/min															
	Tensile Strength at Break (lbs/ in width)												40			
	MD	229	252 267	225	233	220 260						232 257	12	220	252	120 min.
	TD	252		263	245		a = th - 0.0					25/	9	245	267	
	Elonga MD	508	eak (percei 544	500	Gauge Length = 2.0 in.							512	19	40.0		250
	TD	506	544 618	500 594	509 598	498 586						512	19	498 566	544 618	250 min.
ASTM D4218		n Content	010	094	390	300						592	13	000	618	
10110104210			uffle Furnace													
	^	2.49	2.48									2.48	0.01	2.48	2.49	2 - 3
		2.40	2.40									2.70	0.01	2.40	2.45	2-5

(End of Table 3)

(Sheet 1 of 1)

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TABLE 4.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

QC'd By: Maria Expitia TRI Job No.: CA221090 AI-LA

Date Reported: 9/21/2022 Client Sample ID: R#FND0103600048 L#PDF811480 Material Description: 80mil LLDPE Double Sided Microspike

Date Received: 9/15/2022

TRI Control No.: 166767

	SPECIMENS														Proj.	
	1		2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DESCRIP	ΡΤΙΟΙ	Ν													
ASTM D5994	Thickness	(mils))													
	Apparat	tus: Dea	ad-weight dial m	icrometer wi	th gauge poi	nts tapered at a	in angle of 60 $^\circ$ -	+/- 2° to the	horizontal wit	h the tip						
	rounded	d to a ra	dius of 0.8+/-0.	1 mm(0.031+	-/-0.004 in), v	with a specified	force of 0.56+/-	0.05 N (2+/-	0.2 oz)							
	Loading	g Time: {	5 sec Specim	en Size: 4" x	4"					68 min.						
	81		83	83	83	80	80	81	81	83	81	82	1	80	83	76 min. ave.
ASTM D792	Specific Gr	avity	(23/ 23°C)													
Method A	0.93	79	0.9380									0.9380	0.0001	0.9379	0.9380	0.939 max.
ASTM D6693	Tensile Pro	perties	<u>s:</u>													
Гуре IV	Test Sp	ecimen	s: Type IV, Wid	th of narrow	section:0.25i	n, Length of na	rrow section:1.3	in, Width Ov	/erall:0.75in,							
	Length	Overall:	: 4.5in	Rate of Sep	aration: 2"/m	in										
			at Break (Il													
	MD 23		234	215	219	238						228	10	215	238	120 min.
	TD 21	-	253	243	268	260						249	19	218	268	
	Elongation					T	ngth = 2.0 in.									
	MD 53		543	485	472	524						511	31	472	543	250 min.
	TD 50		561	586	611	597						572	42	505	611	
ASTM D4218																
			iffle Furnace													
	2.3	6	2.37									2.36	0.01	2.36	2.37	2 - 3

(End of Table 4)

(Sheet 1 of 1)



September 23, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Lone Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the *final* laboratory report for the Conformance testing of one (1) 80mil LLDPE Microspike sample.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A CQA

REFERENCE TRI JOB NO.: CA221097

DATE RECEIVED: September 16, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS: SAMPLE ID

R#FND0103600063 L#DPF811480

TESTS REQUIRED / PERFORMED:

TEST METHOD 1. ASTM D5994 2. ASTM D6693 3. ASTM D792 4. ASTM D4218 TRI CONTROL NUMBER 166807

DATE REPORTED: September 23, 2022

DESCRIPTION

Thickness Tensile Properties Specific Gravity Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Table 1.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully,

TRI Environmental, Inc. - California

Maries Expetia

Maria Espitia Quality Assurance

Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the samples tested are believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month.* On the other hand, should you need us to keep them at a longer period, please advise us in writing.

2 Pages Total (including this sheet)



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TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/16/2022 Date Reported: 9/23/2022 Client Sample ID: R#FND0103600063 L#DPF811480

Material Description: 80mil LLDPE Double Sided Microspike

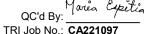
	SPECIMENS														Proj.	
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													
ASTM D5994	Thickr	ness (mils	3)													
	A	Apparatus: De	ad-weight dial r	nicrometer wit	h gauge poir	nts tapered at a	n angle of 60°	+/- 2° to the	horizontal with	h the tip						
	r	ounded to a ra	adius of 0.8+/-0	.1 mm(0.031+	/-0.004 in), v	with a specified	force of 0.56+	/-0.05 N (2+/-	0.2 oz)							
	L	oading Time:	5 sec Specin	nen Size: 4" x	4"											68 min.
		83	80	81	81	81	80	83	81	81	82	81	1	80	83	76 min. ave
ASTM D792	Specit	fic Gravity	(23/ 23°C)													
Method A		0.9369	0.9371									0.9370	0.0001	0.9369	0.9371	0.939 max
ASTM D6693	Tensile Properties:															
Type IV	7	Fest Specimer	ns: Type IV, Wie	dth of narrow s	section:0.25i	n, Length of nar	row section:1	3in, Width Ov	erall:0.75in,							
		ength Overall		Rate of Sepa		in										
			at Break (I													
	MD	244	253	215	232	215						232	17	215	253	120 min.
	TD	278	258	260	263	259						264	8	258	278	
			eak (percer			T	ngth = 2.0 i	n.								
	MD	551	531	485	524	501						518	26	485	551	250 min.
	TD	640	589	627	609	611						615	19	589	640	
ASTM D4218	Carbor	n Content														
	4	Apparatus: Mi	uffle Furnace													
		2.42	2.44									2.43	0.01	2.42	2.44	2 - 3

(End of Table 1)

(Sheet 1 of 1)

By accepting the data and results presented on this report, the Client agrees to limit the liability of TRI Environmental, Inc. from Client and all other parties for claims on issues, due to the use of this data, to the cost for the respective tests presented in this report; and the Client agrees to indemnify and hold harmless TRI Environmental, Inc. from and against all liabilities in excess of the aforementioned limit.

AI-LA



TRI Control No.: 166807



September 28, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Lone Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the *final* laboratory report for the Conformance testing of one (1) 80mil LLDPE Microspike sample.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A CQA

REFERENCE TRI JOB NO.: CA221120

DATE RECEIVED: September 21, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS: SAMPLE ID

R#FND0103600078 L#DPF811350

TESTS REQUIRED / PERFORMED:

TEST METHOD 1. ASTM D5994 2. ASTM D6693 3. ASTM D792 4. ASTM D4218 **TRI CONTROL NUMBER** 166946

DATE REPORTED: September 28, 2022

DESCRIPTION

Thickness Tensile Properties Specific Gravity Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Table 1.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully,

TRI Environmental, Inc. - California

Maries Expetia

Maria Espitia Quality Assurance

Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the samples tested are believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month.* On the other hand, should you need us to keep them at a longer period, please advise us in writing.

2 Pages Total (including this sheet)





GAI-LAP

							NewFields				~ ~					
	Date R Client Sa				#DPF8113	rospike			tor Mine Vi	LF2 Phase	3A		QC'd By: RI Job No.: ontrol No.:	CA22112		
		1	2	3	4	5	PECIMEN:	S 7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
METHOD	DESC			0	-	•	•		0	J	10	Avg.	old. Dev.	INTEL	IVIAA	opecs.
ASTM D5994		iess (mils														
10110100394		``) ad-weight dial m	icrometer wit	h naune noin	ts tanered at a	n angle of 60°	$+/-2^{\circ}$ to the	horizontal with	h the tin						
			adius of 0.8+/-0.1				•			r the up						
			5 sec Specime	,	,,	an a opeemea		0.0011(27)	,							68 min.
	_	84	82	82	81	80	83	82	80	82	80	82	1	80	84	76 min. ave
ASTM D792	Specif	ic Gravity	(23/ 23°C)													
Method A		0.9343	0.9344									0.9343	0.0001	0.9343	0.9344	0.939 max.
ASTM D6693	Tensile	Properties	<u>s:</u>													
Type IV	Te	est Specimen	ns: Type IV, Widt	h of narrow s	section:0.25in	, Length of na	rrow section:1.	3in, Width Ov	verall:0.75in,							
		ength Overall		,	aration: 2"/mii	1										
			at Break (lb										_			
	MD	221	219	214	220	238						222	9	214	238	120 min.
	TD	215	249	241	249	246						240	14	215	249	
			eak (percent		405		ngth = 2.0 i	7.				400				
	MD TD	485 524	477 581	462	495	522 566						488 562	22 22	462	522	250 min.
ASTM D4218		ocontent	201	563	574	000						562	22	524	581	
		pparatus: Mi	iffle Furnesse													

(End of Table 1)

(Sheet 1 of 1)



TRI CONTROL NUMBER

Carbon Content Muffle

166950

166951

166952

166953

September 28, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Lone Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the *final* laboratory report for the Conformance testing of four (4) 80mil LLDPE Microspike samples.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A CQA

REFERENCE TRI JOB NO.: CA221122

DATE RECEIVED: September 22, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

 SAMPLE ID

 R#FND0103600094
 L#DPF811350

 R#FND0103600111
 L#DPH810510

 R#FND0103600127
 L#DPH810510

 R#FND0103600142
 L#DPH810510

TESTS REQUIRED / PERFORMED:	
TEST METHOD	DESCRIPTION
1. ASTM D5994	Thickness
2. ASTM D6693	Tensile Properties
3. ASTM D792	Specific Gravity

TEST RESULTS: The test results are summarized in the attached Table 1 to 4.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully, TRI Environmental, Inc. - California

4. ASTM D4218

Maria Expetia

Maria Espitia Quality Assurance

the

Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the samples tested are believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month*. On the other hand, should you need us to keep them at a longer period, please advise us in writing.

5 Pages Total (including this sheet)



DATE REPORTED: September 28, 2022



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TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/22/2022 Date Reported: 9/28/2022 Client Sample ID: R#FND0103600094 L#DPF811350 Material Description: 80mil LLDPE Double Sided Microspike QC'd By: Maries Expertis

iai-la

TRI Job No.: CA221122 TRI Control No.: 166950

	SPECIMENS														Proj.	
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													
ASTM D5994	Thick	ness (mils	S)													
	A	Apparatus: De	ad-weight dial	micrometer w	ith gauge poi	ints tapered at a	an angle of 60	0° +/- 2° to th	e horizontal w	ith the tip						
	r	ounded to a r	adius of 0.8+/-0	0.1 mm(0.031	+/-0.004 in),	with a specified	force of 0.56	+/-0.05 N (2+)	(-0.2 oz)							
	L	oading Time:	5 sec Speci	men Size: 4" >	(4"											68 min.
		81	82	81	81	84	82	82	83	80	81	82	1	80	84	76 min. av
STM D792	Speci	fic Gravity	(23/ 23°C)													
lethod A		0.9335	0.9336									0.9336	0.0001	0.9335	0.9336	0.939 max
STM D6693	Tensile	e Propertie	<u>s:</u>													
⁻ype IV	7	Test Specimer	ns: Type IV, W	idth of narrow	section:0.25	in, Length of na	errow section:	1.3in, Width C	verall:0.75in,							
		ength Overal			aration: 2"/mi	n										
			at Break (
	MD	259	226	219	224	233						232	16	219	259	120 min.
	TD	240	231	268	260	262						252	16	231	268	
	<u> </u>		eak (perce			Gauge Ler	ngth = 2.0 i	in.								
	MD	543	494	466	502	525						506	29	466	543	250 min.
	TD	562	527	625	602	609						585	40	527	625	
STM D4218	Carbo	n Content														
	A	Apparatus: M														
		2.48	2.46									2.47	0.02	2.46	2.48	2 - 3

(End of Table 1)

(Sheet 1 of 1)

Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 2.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/22/2022 Date Reported: 9/28/2022 Client Sample ID: R#FND0103600111 L#DPH810510 Material Description: 80mil LLDPE Double Sided Microspike QC'd By: Maria Expitia TRI Job No.: CA221122 iai-la

TRI Control No.: 166951

						S	SPECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO)N													1
ASTM D5994	Thickr	ness (mil	s)													
	A	pparatus: De	ead-weight dial	micrometer w	vith gauge poi	nts tapered at	an angle of 60	0° +/- 2° to th	ne horizontal w	ith the tip						
	rc	ounded to a r	radius of 0.8+/-	0.1 mm(0.031	+/-0.004 in), v	with a specified	d force of 0.56	6+/-0.05 N (2+	/-0.2 oz)							
	L	oading Time:	:5 sec Speci	men Size: 4" :	x 4"											68 min.
		81	85	82	81	81	83	80	81	81	82	82	1	80	85	76 min. ave
ASTM D792	Specif	fic Gravity	(23/ 23°C)													
Method A		0.9352	0.9352									0.9352	0.0000	0.9352	0.9352	0.939 max
ASTM D6693	Tensile	e Propertie	es:													1
Type IV	Т	est Specime	ns: Type IV, W	idth of narrow	section:0.25i	in, Length of na	arrow section:	1.3in, Width C	Overall:0.75in,							
		ength Overal		•	aration: 2"/mir	ז										
			at Break													
	MD	254	225	254	226	249						242	15	225	254	120 min.
	TD	241	281	266	241	268						260	18	241	281	
			eak (perce		F0.4		ngth = 2.0 i	n.				500				
	MD	552	499	558	504	546						532	28 34	499	558	250 min.
	TD	566	636	609	553	610						595	34	553	636	
ASTM D4218		n Content	. He Frances													
	A	Apparatus: M 2.45	luffle Furnace									2.43	0.02	0.40	0.45	
		2.40	2.42									2.43	0.02	2.42	2.45	2 - 3

(End of Table 2)

(Sheet 1 of 1)

Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 3.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/22/2022 Date Reported: 9/28/2022 Client Sample ID: R#FND0103600127 L#DPH810510 Material Description: 80mil LLDPE Double Sided Microspike QC'd By: Maria Expitia TRI Job No.: CA221122 iai-la

TRI Control No.: 166952

						S	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DESCR	IPTIO	N													1
ASTM D5994	Thickness	s (mils	s)													
	Appar	atus: De	ad-weight dial	micrometer w	rith gauge poir	nts tapered at a	an angle of 60	0° +/- 2° to th	e horizontal w	ith the tip						
	round	ed to a r	adius of 0.8+/-0	0.1 mm(0.031	+/-0.004 in), v	vith a specified	force of 0.56	+/-0.05 N (2+)	/-0.2 oz)							
	Loadir	ng Time:	5 sec Specii	men Size: 4" >	(4"											68 min.
	8	34	81	84	81	82	81	80	81	83	83	82	1	80	84	76 min. ave
ASTM D792	Specific G	Gravity	(23/ 23°C)													
Method A		340	0.9342									0.9341	0.0001	0.9340	0.9342	0.939 max.
ASTM D6693	Tensile Pro	opertie	<u>s:</u>													
Type IV	Test S	Specime	ns: Type IV, W	idth of narrow	section:0.25i	n, Length of na	arrow section:	1.3in, Width C	overall:0.75in,							
	-	h Overal			aration: 2"/mir	7										
			at Break (
		48	227	234	249	225						237	11	225	249	120 min.
		73	248	267	275	244						261	14	244	275	
			eak (perce			Gauge Ler	ngth = 2.0	in.								
		40	501	526	545	491						520	24	491	545	250 min.
		01	561	588	613	548						582	27	548	613	
ASTM D4218	Carbon Co															
			uffle Furnace													
	2.	45	2.43									2.44	0.02	2.43	2.45	2 - 3

(End of Table 3)

(Sheet 1 of 1)

Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 4.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/22/2022 Date Reported: 9/28/2022 Client Sample ID: R#FND0103600142 L#DPH810510 Material Description: 80mil LLDPE Double Sided Microspike

RONN

QC'd By: <u>Maria Cypitia</u> TRI Job No.: **CA221122** iai-la

TRI Control No.: 166953

						S	PECIMENS									Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													
ASTM D5994	Thickr	ness (mils	s)													
	A	pparatus: De	ad-weight dial n	nicrometer w	ith gauge poir	nts tapered at a	in angle of 60 $^\circ$	+/- 2° to the	horizontal wi	th the tip						
	ro	ounded to a r	adius of 0.8+/-0	1 mm(0.031	+/-0.004 in), v	vith a specified	force of 0.56+/-	0.05 N (2+/-	0.2 oz)							
	L	oading Time:	5 sec Specim	en Size: 4" x	4"											68 min.
		83	81	82	81	80	81	83	83	81	81	81	1	80	83	76 min. ave.
ASTM D792	Specif		(23/ 23°C)													
Method A		0.9377	0.9380									0.9378	0.0002	0.9377	0.9380	0.939 max.
ASTM D6693	Tensile	e Propertie	S:													
Type IV	Т	est Specimer	ns: Type IV, Wid	Ith of narrow	section:0.25i	n, Length of na	rrow section:1.3	Bin, Width Ov	/erall:0.75in,							
		ength Overal			aration: 2"/mi	n										
			at Break (I													
	MD	246	227	260	253	258						249	13	227	260	120 min.
	TD	227	246	261	271	271						255	19	227	271	
	Elonga	ation at Bro	eak (percer	nt, %)		Gauge Lei	ngth = 2.0 in	•								
	MD	533	522	561	553	555						545	17	522	561	250 min.
	TD	528	551	596	611	614						580	38	528	614	
ASTM D4218	Carbor	n Content														
	A	pparatus: M	uffle Furnace													
		2.42	2.45									2.43	0.02	2.42	2.45	2 - 3

(End of Table 4)

(Sheet 1 of 1)



October 3, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Lone Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the *final* laboratory report for the Conformance testing of two (2) 80mil LLDPE Microspike samples.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A CQA

REFERENCE TRI JOB NO.: CA221132

DATE RECEIVED: September 26, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID R#FND0103600157 L#DPH810510 R#FND0103600173 L#DPH810510

TESTS REQUIRED / PERFORMED:

TEST METHOD	DESCRIPTION
1. ASTM D5994	Thickness
2. ASTM D6693	Tensile Properties
3. ASTM D792	Specific Gravity
4. ASTM D4218	Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Table 1 to 2.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully, TRI Environmental, Inc. - California

Maria Expetia

Maria Espitia Quality Assurance

the 0

Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the samples tested are believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month*. On the other hand, should you need us to keep them at a longer period, please advise us in writing.

3 Pages Total (including this sheet)



DATE REPORTED: October 3, 2022

TRI CONTROL NUMBER

166984

166985



GAI-LA

Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/26/2022 Date Reported: 10/3/2022 Client Sample ID: R#FND0103600157 L#DPH810510 Material Description: 80mil LLDPE Double Sided Microspike QC'd By: Maries Expertis

TRI Job No.: CA221132 TRI Control No.: 166984

						S	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Мах	Specs.
METHOD	DES	CRIPTIO	Ν													
STM D5994	Thickr	ness (mils	3)													
	A	pparatus: De	ad-weight dial	micrometer w	ith gauge poir	nts tapered at a	an angle of 60	° +/- 2° to the	e horizontal wi	th the tip						
	ro	ounded to a ra	adius of 0.8+/-	0.1 mm(0.031	+/-0.004 in), v	ith a specified	force of 0.56	+/-0.05 N (2+/	-0.2 oz)							
	L	oading Time:	5 sec Speci	men Size: 4" >	: 4"											68 min.
		82	80	82	81	80	82	82	81	83	84	82	1	80	84	76 min. av
STM D792	Specif	ic Gravity	(23/ 23°C)													
lethod A		0.9351	0.9351									0.9351	0.0000	0.9351	0.9351	0.939 max
STM D6693	Tensile	Properties	<u>s:</u>													
ype IV	Т	est Specimer	ns: Type IV, W	idth of narrow	section:0.25ii	n, Length of na	arrow section:	1.3in, Width O	verall:0.75in,							
	L	ength Overall	l: 4.5in	Rate of Sep	aration: 2"/mir	1										
			at Break													
	MD	293	259	249	267	222						258	26	222	293	120 min.
	TD	240	254	267	270	253						257	12	240	270	
	<u> </u>	ation at Bre				Gauge Ler	ngth = 2.0 i	n.								
	MD	589	562	548	564	496						552	35	496	589	250 min.
	TD	577	605	630	645	598						611	27	577	645	
STM D4218	Carbor	n Content														
	A	pparatus: Mi	uffle Furnace													
		2.48	2.43									2.46	0.04	2.43	2.48	2 - 3

(End of Table 1)

(Sheet 1 of 1)

GAI-LAP

							NewFields									
					I	PROJECT:	Cripple Cr	eek & Vic	tor Mine VI	_F2 Phase	3A					
			9/26/2022 10/3/2022									TF	QC'd By: RI Job No.:			a
(Client Sa	ample ID:	R#FND010	3600173 Li	#DPH8105	10						TRI C	ontrol No.:	166985	5	
Mat	terial De	scription:	80mil LLDI	PE Double	Sided Mid	•		`								Dual
		1	2	3	4	5	SPECIMEN:	5 7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
METHOD	DES			<u> </u>	-	•	<u> </u>		<u> </u>	0	10	Avg.			Max	opees.
ASTM D5994		ness (mil														
		•	⊂) ead-weight dial	micrometer w	ith gauge poi	nts tapered at	an angle of 60	° +/- 2° to th	e horizontal w	ith the tip						1
	re	ounded to a i	radius of 0.8+/-	0.1 mm(0.031	+/-0.004 in),	with a specifie	d force of 0.56	+/-0.05 N (2+,	(-0.2 oz)							l
	L	oading Time.	: 5 sec Speci	imen Size: 4" >	c 4"											68 min.
		81	81	81	80	81	80	82	82	80	81	81	1	80	82	76 min. ave.
ASTM D792	Specif		(23/ 23°C))												l
Method A	_	0.9382	0.9382									0.9382	0.0000	0.9382	0.9382	0.939 max.
ASTM D6693		e Propertie														l
Type IV			ens: Type IV, W			, 0	arrow section:	1.3in, Width C	verall:0.75in,							l
		ength Overa	n at Break	Rate of Sepa		ו										l
	MD	247	285	239	295	295						272	27	239	295	120 min.
	TD	264	262	261	267	259						263	3	259	267	
	Elong	ation at Br	eak (perce	ent, %)		Gauge Le	ngth = 2.0 ii	1.								l
	MD	528	569	516	594	611	J					563	41	516	611	250 min.
	TD	609	622	614	633	616						619	9	609	633	l
ASTM D4218	Carbor	n Content														
	A		<i>fuffle Furnace</i>													
		2.43	2.45									2.44	0.02	2.43	2.45	2 - 3

TABLE 2.

(End of Table 2)

(Sheet 1 of 1)

By accepting the data and results presented on this report, the Client agrees to limit the liability of TRI Environmental, Inc. from Client and all other parties for claims on issues, due to the use of this data, to the cost for the respective tests presented in this report; and the Client agrees to indemnify and hold harmless TRI Environmental, Inc. from and against all liabilities in excess of the aforementioned limit.



October 3, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Lone Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the *final* laboratory report for the Conformance testing of one (1) 80mil LLDPE Microspike sample.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A CQA

REFERENCE TRI JOB NO.: CA221140

DATE RECEIVED: September 27, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS: SAMPLE ID

R#FND0103600188 L#DPH810490

TESTS REQUIRED / PERFORMED:

 TEST METHOD

 1. ASTM D5994

 2. ASTM D6693

 3. ASTM D792

 4. ASTM D4218

TRI CONTROL NUMBER 167063

DATE REPORTED: October 3, 2022

DESCRIPTION

Thickness Tensile Properties Specific Gravity Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Table 1.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully, TRI Environmental, Inc. - California

Maria Expetie

Maria Espitia Quality Assurance

Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the samples tested are believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month*. On the other hand, should you need us to keep them at a longer period, please advise us in writing.

2 Pages Total (including this sheet)





Austin, TX - USA | Anaheim, CA - USA | Anderson, SC - USA | Gold Coast - Australia | Suzhou - China

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/27/2022 Date Reported: 10/3/2022 Client Sample ID: R#FND0103600188 L#DPH810490 Material Description: 80mil LLDPE Double Sided Microspike QC'd By: Marie Espitia

AI-LA

TRI Job No.: CA221140 TRI Control No.: 167063

						S	PECIMEN	S							ſ	Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DESC	RIPTIO	N													
ASTM D5994	Thickne	ess (mils	3)													
	Ap	paratus: De	ad-weight dial r	nicrometer w	ith gauge poii	nts tapered at a	an angle of 60	° +/- 2° to th	e horizontal wi	ith the tip						
	rou	inded to a r	adius of 0.8+/-0	.1 mm(0.031	+/-0.004 in), v	vith a specified	force of 0.56	+/-0.05 N (2+/	-0.2 oz)							
	Loa	ading Time:	5 sec Specin	nen Size: 4" x	: 4"											68 min.
		81	82	84	80	82	81	82	80	82	83	82	1	80	84	76 min. ave
ASTM D792	Specific	: Gravity	(23/ 23°C)													
/lethod A	C).9379	0.9379									0.9379	0.0000	0.9379	0.9379	0.939 max.
ASTM D6693	<u>Tensile</u>	Propertie	<u>s:</u>													
⊺ype IV			ns: Type IV, Wid				rrow section:	1.3in, Width O	verall:0.75in,							
		ngth Overal			aration: 2"/mi	n										
			at Break (I			~										
	MD	265	267	246	238	245						252	13	238	267	120 min.
	TD .	289	262	237	270	297						271	23	237	297	
			eak (percer				ngth = 2.0 i	n.								
	MD	610	622	575	569	588						593	23	569	622	250 min.
	TD	602	572	540	560	613						577	30	540	613	
STM D4218	Carbon															
	Ap		uffle Furnace									0.00	0.00			
		2.36	2.36									2.36	0.00	2.36	2.36	2 - 3

(End of Table 1)

(Sheet 1 of 1)



October 3, 2022

Nikoliya Boyanich *NewFields* 9400 Station Street, Suite 300 Lone Tree, CO 80124

Re: FINAL LABORATORY TEST REPORT

Dear Ms. Boyanich:

Thank you for consulting TRI California for your material testing needs.

Enclosed is the *final* laboratory report for the Conformance testing of two (2) 80mil LLDPE Microspike samples.

PROJECT NAME: Cripple Creek & Victor Mine VLF2 Ph 3A CQA

REFERENCE TRI JOB NO.: CA221145

DATE RECEIVED: September 28, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID R#FND0103600203 L#DPH810490 R#FND0103600218 L#DPH810490

TESTS REQUIRED / PERFORMED:

TEST METHOD	DESCRIPTION
1. ASTM D5994	Thickness
2. ASTM D6693	Tensile Properties
3. ASTM D792	Specific Gravity
4. ASTM D4218	Carbon Content Muffle

TEST RESULTS: The test results are summarized in the attached Table 1 to 2.

Note: The general conditioning and testing of the material samples identified in this report were performed within the range of the laboratory environmental conditions; i.e., 20-24°C and 45-65% RH. Otherwise, the actual environmental conditions are indicated in the respective test method reported.

Respectfully, TRI Environmental, Inc. - California

Maria Expetia

Maria Espitia Quality Assurance

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Chad Blackwell TRI-CA Director

Signatures are on file

It shall be noted that the samples tested are believed to be true representatives of the material produced under the designation herein stated. In addition, the attached laboratory tests results are considered indicative only of the quality of samples/specimens that were actually tested. The appropriate test methods hereby employed are based on the current and accepted industry practices. TRI neither accepts responsibility for nor makes claims to the intended final use and purpose of the material. The test data and all associated project information shall be held confidential and not to be reproduced and/or disclosed to other parties except in full and with prior written approval from pertinent entity duly authorized by the respective client or from the client itself. It is our policy to keep physical records of each job for two (2) years commencing from the date of receipt of the samples and keep its corresponding electronic file for seven (7) years. *Retained conformance samples are disposed of after one (1) month.* On the other hand, should you need us to keep them at a longer period, please advise us in writing.

3 Pages Total (including this sheet)



DATE REPORTED: October 3, 2022

TRI CONTROL NUMBER

167080

167081



Austin, TX - USA Anaheim, CA - USA Anderson, SC - USA Gold Coast - Australia Suzhou - China

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/28/2022

Date Reported: 10/3/2022

Client Sample ID: R#FND0103600203 L#DPH810490

Material Description: 80mil LLDPE Double Sided Microspike

QC'd By: Maria Eyeitia TRI Job No.: **CA221145** TRI Control No.: **167080** GAI-LA

						s	PECIMEN	S								Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DES	CRIPTIO	N													
ASTM D5994	Thickr	ness (mils	;)													
	A	Apparatus: De	ad-weight dial n	nicrometer w	ith gauge poi	nts tapered at a	an angle of 6	0° +/- 2° to t	he horizontal v	with the tip						
	r	ounded to a r	adius of 0.8+/-0.	1 mm(0.031	+/-0.004 in),	with a specified	force of 0.56	6+/-0.05 N (2+	⊦/-0.2 oz)							
	L	T	5 sec Specim													68 min.
		82	81	81	81	82	80	81	80	81	82	81	1	80	82	76 min. ave.
ASTM D792	Speci		(23/ 23°C)													
Method A		0.9369	0.9370									0.9370	0.0000	0.9369	0.9370	0.939 max.
ASTM D6693	Tensile	e Properties	<u>s:</u>													
Type IV	7	Fest Specimer	ns: Type IV, Wid	Ith of narrow	section:0.25	in, Length of na	arrow section	1.3in, Width:	Overall:0.75in	,						
		ength Overal.			aration: 2"/m	in										
			at Break (Ib													
	MD	263	270	293	277	260						273	13	260	293	120 min.
	TD	267	273	272	274	258	- 11- 00'					269	7	258	274	
	Ŭ	ation at Bre			F70	Gauge Len	igtn = 2.0 i	n.				500	40			
	MD	552	547	584	576	555						563	16	547	584	250 min.
	TD	622	629	625	627	589						618	17	589	629	
ASTM D4218		n Content	<i></i>													
	4		uffle Furnace									2.50	0.02			<u> </u>
		2.53	2.48									2.50	0.03	2.48	2.53	2 - 3

(End of Table 1)

(Sheet 1 of 1)

By accepting the data and results presented on this report, the Client agrees to limit the liability of TRI Environmental, Inc. from Client and all other parties for claims on issues, due to the use of this data, to the cost for the respective tests presented in this report; and the Client agrees to indemnify and hold harmless TRI Environmental, Inc. from and against all liabilities in excess of the aforementioned limit.

1970 S. Santa Cruz Street, Anaheim, CA 92805, www.precisionlabs.net TRI Environmental, Inc. dba Precision Geosynthetic Laboratories International



Austin, TX - USA Anaheim, CA - USA Anderson, SC - USA Gold Coast - Australia Suzhou - China

TABLE 2.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 9/28/2022

Date Reported: 10/3/2022

Client Sample ID: R#FND0103600218 L#DPH810490

Material Description: 80mil LLDPE Double Sided Microspike

QC'd By: <u>Marien Expition</u> TRI Job No.: **CA221145** GAI-LA

TRI Control No.: 167081

	SPECIMENS													Proj.	
	1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	DESCRIPT	ION													
ASTM D5994	Thickness (I	nils)													
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60 $^{\circ}$ +/- 2 $^{\circ}$ to the horizontal with the tip														
	rounded to a radius of 0.8+/-0.1 mm(0.031+/-0.004 in), with a specified force of 0.56+/-0.05 N (2+/-0.2 oz)														
	Loading Time: 5 sec Specimen Size: 4" x 4"													68 min.	
	83	81	81	80	83	81	82	80	81	82	81	1	80	83	76 min. ave
ASTM D792	Specific Grav	·	· ·												
lethod A	0.9359		50								0.9359	0.0001	0.9359	0.9360	0.939 max
ASTM D6693	Tensile Properties:														
Type IV	Test Specimens: Type IV, Width of narrow section:0.25in, Length of narrow section:1.3in, Width Overall:0.75in,														
	Length Overall: 4.5in Rate of Separation: 2"/min														
		<u> </u>	ak (lbs/inw												
	MD 278	266		253	256						267	12	253	280	120 min.
	TD 267	264		268	277						268	5	264	277	
	Elongation at				Gauge Ler	ngth = 2.0 i	n.								
	MD 567	533		551	549						553	14	533	567	250 min.
	TD 600	614	606	608	635						613	13	600	635	
ASTM D4218	Carbon Content														
	Apparatus: Muffle Furnace														
	2.45	2.53	5								2.49	0.06	2.45	2.53	2 - 3

(End of Table 2)

(Sheet 1 of 1)

By accepting the data and results presented on this report, the Client agrees to limit the liability of TRI Environmental, Inc. from Client and all other parties for claims on issues, due to the use of this data, to the cost for the respective tests presented in this report; and the Client agrees to indemnify and hold harmless TRI Environmental, Inc. from and against all liabilities in excess of the aforementioned limit.

1970 S. Santa Cruz Street, Anaheim, CA 92805, www.precisionlabs.net TRI Environmental, Inc. dba Precision Geosynthetic Laboratories International