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

TRI ENVIRONMENTAL

TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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

GAI-LAP

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

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 (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				

GAI-LAP

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

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 (ft^2)	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				

GAI-LAP

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

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 (ft^2)	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

GAI-LAP

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

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 (ft^2)	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
87	FNA0091850088	21KB544	410	23	9430	3/1/2022				
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				
93	FNA0091850094	21KB544	410	23	9430	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	FNA0091850098	21KB544	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	FNA0091850104	21KB544	410	23	9430	3/2/2022				
104	FNA0091850105	21KB544	410	23	9430	3/2/2022				
105	FNA0091850106	21KB544	410	23	9430	3/2/2022				
106	FNA0091850107	21KB544	410	23	9430	3/2/2022				
107	FNA0091850108	21KB544	410	23	9430	3/2/2022				
108	FNA0091850109	21KB544	410	23	9430	3/2/2022				
109	FNA0091850110	21KB544	410	23	9430	3/2/2022				
110	FNA0091850111	21KB544	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	FNA0091850114	21KB544	410	23	9430	3/3/2022				
114	FNA0091850115	21KB544	410	23	9430	3/3/2022				
115	FNA0091850116	21KB544	410	23	9430	3/3/2022				

GAI-LAP

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

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 (ft^2)	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					
				TOTAL ft^2 =	1,112,740					

March 8, 2022

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

GAI-LAP
Initial: CVZ #:0.13
DATE: 03/08/2022

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 DATE REPORTED: **March 8, 2022**

REFERENCE TRI JOB NO.: CA220175

DATE RECEIVED: February 28, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FNA0091850001 L#DNK810410	161880

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.

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 Espitia
Quality Assurance

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)*

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: **2/28/2022**
Date Reported: **3/8/2022**
Client Sample ID: **R#FNA0091850001 L#DNK810410**
Material Description: **80mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia
TRI Job No.: **CA220175**
TRI Control No.: **161880**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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	**84**	**82**	**83**	**83**	**80**	**81**	**82**	**82**	**81**	**82**	**1**	**80**	**84**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9325**	**0.9325**									**0.9325**	**0.0000**	**0.9325**	**0.9325**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**216**	**246**	**215**	**225**	**226**						**226**	**13**	**215**	**246**	**120 min.**
	TD	**233**	**255**	**242**	**260**	**250**						**248**	**11**	**233**	**260**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**482**	**537**	**498**	**486**	**486**						**498**	**22**	**482**	**537**	**250 min.**
	TD	**532**	**584**	**557**	**595**	**575**						**568**	**25**	**532**	**595**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.41	**2.39**									**2.40**	**0.01**	**2.39**	**2.41**	**2 - 3**

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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

March 9, 2022

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

GAI-LAP
Initial: CVZ #:0.13
DATE: 03/09/2022

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 DATE REPORTED: **March 9, 2022**

REFERENCE TRI JOB NO.: CA220183

DATE RECEIVED: March 02, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FNA0091850046 L#DNK810410	161907
R#FNA0091850056 L#21KB544	161908

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 Espitia
Quality Assurance

Chad Blackwell
TRI-CA Director

Signatures are on file

3 Pages Total *(including this sheet)*

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: **3/2/2022**
Date Reported: **3/9/2022**
Client Sample ID: **R#FNA0091850046 L#DNK810410**
Material Description: **80mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia
TRI Job No.: **CA220183**
TRI Control No.: **161907**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.
		81	81	84	81	80	83	81	81	85	81	82	2	80	85	76 min. ave.
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		0.9383	0.9384									0.9384	0.0000	0.9383	0.9384	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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	206	217	239	246	206						223	19	206	246	120 min.
	TD	247	256	240	262	242						249	9	240	262	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	479	506	541	555	464						509	39	464	555	250 min.
	TD	585	601	565	620	572						589	22	565	620	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.49	2.38									2.43	0.08	2.38	2.49	2 - 3

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

TABLE 2.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: **3/2/2022**
Date Reported: **3/9/2022**
Client Sample ID: **R#FNA0091850056 L#21KB544**
Material Description: **80mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia
TRI Job No.: **CA220183**
TRI Control No.: **161908**

		SPECIMENS														Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	**DESCRIPTION**															
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.
		80	81	81	81	81	82	81	80	80	81	81	1	80	82	76 min. ave.
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		0.9365	0.9367									0.9366	0.0001	0.9365	0.9367	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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	249	221	241	231	241						236	11	221	249	120 min.
	TD	206	257	254	228	253						239	22	206	257	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	546	510	540	521	539						531	15	510	546	250 min.
	TD	495	604	602	549	593						569	47	495	604	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.43	2.45									2.44	0.01	2.43	2.45	2 - 3

(End of Table 2)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

March 10, 2022

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

GAI-LAP
Initial: CVZ #:0.13
DATE: 03/10/2022

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 DATE REPORTED: **March 10, 2022**

REFERENCE TRI JOB NO.: CA220187

DATE RECEIVED: March 03, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FNA0091850016 L#DNK810410	161917
R#FNA0091850031 L#DNK810410	161918

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 Espitia
Quality Assurance

Chad Blackwell
TRI-CA Director

Signatures are on file

3 Pages Total *(including this sheet)*

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**

QC'd By: Maria Espitia
TRI Job No.: **CA220187**
TRI Control No.: **161917**

		SPECIMENS														Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	**DESCRIPTION**															
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.
		81	82	81	82	80	80	83	80	83	81	81	1	80	83	76 min. ave.
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		0.9323	0.9323									0.9323	0.0000	0.9323	0.9323	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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	230	256	248	244	217						239	16	217	256	120 min.
	TD	256	282	239	250	264						258	16	239	282	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	518	552	570	535	527						540	21	518	570	250 min.
	TD	604	647	572	582	617						604	30	572	647	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.38	2.41									2.39	0.02	2.38	2.41	2 - 3

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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 Espitia
TRI Job No.: **CA220187**
TRI Control No.: **161918**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.
		84	83	81	80	81	82	81	83	80	83	82	1	80	84	76 min. ave.
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		0.9363	0.9364									0.9363	0.0000	0.9363	0.9364	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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	221	230	234	230	245						232	9	221	245	120 min.
	TD	286	223	272	271	246						260	25	223	286	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	513	501	514	428	546						500	44	428	546	250 min.
	TD	660	536	633	622	570						604	50	536	660	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.43	2.42									2.42	0.01	2.42	2.43	2 - 3

(End of Table 2)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

March 10, 2022

GAI-LAP
Initial: CVZ #:0.13
DATE: 03/10/2022

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 DATE REPORTED: **March 10, 2022**

REFERENCE TRI JOB NO.: CA220188

DATE RECEIVED: March 03, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FNA0091850071 L#21KB544	161919

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.

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 Espitia
Quality Assurance

Chad Blackwell
TRI-CA Director

Signatures are on file

2 Pages Total *(including this sheet)*

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**

QC'd By: Maria Espitia
TRI Job No.: **CA220188**
TRI Control No.: **161919**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.
		82	82	82	82	80	81	81	80	80	80	81	1	80	82	76 min. ave.
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		0.9385	0.9385									0.9385	0.0000	0.9385	0.9385	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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	232	236	249	214	236						233	12	214	249	120 min.
	TD	249	261	248	242	235						247	10	235	261	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	541	533	555	481	535						529	28	481	555	250 min.
	TD	584	627	575	591	566						588	24	566	627	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.36	2.31									2.33	0.04	2.31	2.36	2 - 3

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

March 11, 2022

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

GAI-LAP
Initial: CVZ #:0.13
DATE: 03/11/2022

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 DATE REPORTED: **March 11, 2022**

REFERENCE TRI JOB NO.: CA220196

DATE RECEIVED: March 04, 2022

SAMPLED BY: TRI-CA, AGRU NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FNA0091850087 L#21KB544	161949
R#FNA0091850102 L#21KB544	161950

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 Espitia
Quality Assurance

Chad Blackwell
TRI-CA Director

Signatures are on file

3 Pages Total *(including this sheet)*

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

		SPECIMENS														Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	**DESCRIPTION**															
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.**
		81	**80**	**81**	**80**	**82**	**81**	**81**	**83**	**80**	**81**	**81**	**1**	**80**	**83**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9385**	**0.9383**									**0.9384**	**0.0001**	**0.9383**	**0.9385**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**242**	**230**	**223**	**245**	**212**						**231**	**14**	**212**	**245**	**120 min.**
	TD	**272**	**261**	**259**	**254**	**251**						**260**	**8**	**251**	**272**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**523**	**546**	**534**	**521**	**515**						**528**	**12**	**515**	**546**	**250 min.**
	TD	**640**	**618**	**604**	**619**	**594**						**615**	**18**	**594**	**640**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.47	**2.40**									**2.43**	**0.05**	**2.40**	**2.47**	**2 - 3**

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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

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 Espitia
TRI Job No.: **CA220196**
TRI Control No.: **161950**

		SPECIMENS														Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	**DESCRIPTION**															
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.
		81	**82**	**80**	**81**	**81**	**83**	**81**	**83**	**81**	**81**	**81**	**1**	**80**	**83**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9321**	**0.9320**									**0.9320**	**0.0001**	**0.9320**	**0.9321**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**236**	**218**	**253**	**213**	**226**						**229**	**16**	**213**	**253**	**120 min.**
	TD	**249**	**268**	**268**	**253**	**259**						**259**	**9**	**249**	**268**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**512**	**528**	**550**	**528**	**492**						**522**	**22**	**492**	**550**	**250 min.**
	TD	**591**	**633**	**633**	**599**	**609**						**613**	**19**	**591**	**633**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.38	**2.44**									**2.41**	**0.04**	**2.38**	**2.44**	**2 - 3**

(End of Table 2)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

TRI ENVIRONMENTAL

TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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

GAI-LAP

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

Material: 80mil LLDPE Microspike **SAMPLING FREQUENCY:** 1/150,000 sq.ft.

Manufacturer: 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
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				

TRI ENVIRONMENTAL

TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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

GAI-LAP

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

Material: 80mil LLDPE Microspike **SAMPLING FREQUENCY:** 1/150,000 sq.ft.

Manufacturer: 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
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

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

Material: 80mil LLDPE Microspike **SAMPLING FREQUENCY:** 1/150,000 sq.ft.

Manufacturer: 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				

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

Material: 80mil LLDPE Microspike **SAMPLING FREQUENCY:** 1/150,000 sq.ft.

Manufacturer: 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
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	FND0103600114	DPH810510	410	23	9430	9/17/2022				

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MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

Material: 80mil LLDPE Microspike **SAMPLING FREQUENCY:** 1/150,000 sq.ft.

Manufacturer: 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
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 & Victor Mine VLF2 Ph 3A
TYPE OF MQA: LEVEL (2)
QA by: Maria Espitia
Material: 80mil LLDPE Microspike
SAMPLING FREQUENCY: 1/150,000 sq.ft.
Manufacturer: 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
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				

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MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Espitia

Material: 80mil LLDPE Microspike **SAMPLING FREQUENCY:** 1/150,000 sq.ft.

Manufacturer: 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
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				

MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Cipitia

Material: 80mil LLDPE Microspike **SAMPLING FREQUENCY:** 1/150,000 sq.ft.

Manufacturer: 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
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				

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MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: Cripple Creek & Victor Mine VLF2 Ph 3A **TYPE OF MQA:** LEVEL (2) **QA by:** Maria Cipitia

Material: 80mil LLDPE Microspike **SAMPLING FREQUENCY:** 1/150,000 sq.ft.

Manufacturer: 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 ft^2 =	**2,168,900**					

September 21, 2022

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

GAI-LAP
Initial: CVZ #:0.13
DATE: 09/21/2022

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 DATE REPORTED: **September 21, 2022**

REFERENCE TRI JOB NO.: CA221090

DATE RECEIVED: September 15, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FND0103600003 L#DPF811480	166764
R#FND0103600018 L#DPF811480	166765
R#FND0103600033 L#DPF811480	166766
R#FND0103600048 L#DPF811480	166767

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 Espitia
Quality Assurance

Chad Blackwell
TRI-CA Director

Signatures are on file

5 Pages Total *(including this sheet)*

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

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.**
		80	**81**	**84**	**82**	**81**	**85**	**80**	**80**	**82**	**80**	**81**	**2**	**80**	**85**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9366**	**0.9364**									**0.9365**	**0.0001**	**0.9364**	**0.9366**	**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*															
	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**	
	Elongation at Break (percent, %) *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	Carbon Content															
	Apparatus: Muffle Furnace															
		2.46	**2.43**									**2.44**	**0.02**	**2.43**	**2.46**	**2 - 3**

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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	**83**	**84**	**80**	**83**	**81**	**81**	**81**	**82**	**81**	**82**	**1**	**80**	**84**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9377**	**0.9373**									**0.9375**	**0.0003**	**0.9373**	**0.9377**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**234**	**251**	**233**	**221**	**239**						**236**	**11**	**221**	**251**	**120 min.**
	TD	**260**	**266**	**256**	**267**	**262**						**262**	**4**	**256**	**267**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**525**	**564**	**513**	**494**	**526**						**524**	**26**	**494**	**564**	**250 min.**
	TD	**604**	**602**	**580**	**610**	**593**						**598**	**11**	**580**	**610**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.47	**2.49**									**2.48**	**0.01**	**2.47**	**2.49**	**2 - 3**

(End of Table 2)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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**

QC'd By: Maria Espitia
TRI Job No.: **CA221090**
TRI Control No.: **166766**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.**
		81	**81**	**84**	**80**	**80**	**80**	**83**	**83**	**81**	**80**	**81**	**1**	**80**	**84**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9368**	**0.9364**									**0.9366**	**0.0003**	**0.9364**	**0.9368**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**229**	**252**	**225**	**233**	**220**						**232**	**12**	**220**	**252**	**120 min.**
	TD	**252**	**267**	**263**	**245**	**260**						**257**	**9**	**245**	**267**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**508**	**544**	**500**	**509**	**498**						**512**	**19**	**498**	**544**	**250 min.**
	TD	**566**	**618**	**594**	**598**	**586**						**592**	**19**	**566**	**618**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.49	**2.48**									**2.48**	**0.01**	**2.48**	**2.49**	**2 - 3**

(End of Table 3)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

TABLE 4.

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#FND0103600048 L#PDF811480**
Material Description: **80mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia
TRI Job No.: **CA221090**
TRI Control No.: **166767**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.**
		81	**83**	**83**	**83**	**80**	**80**	**81**	**81**	**83**	**81**	**82**	**1**	**80**	**83**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9379**	**0.9380**									**0.9380**	**0.0001**	**0.9379**	**0.9380**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**234**	**234**	**215**	**219**	**238**						**228**	**10**	**215**	**238**	**120 min.**
	TD	**218**	**253**	**243**	**268**	**260**						**249**	**19**	**218**	**268**	
	Elongation at Break (percent, %)					*Gauge Length = 2.0 in.*										
	MD	**530**	**543**	**485**	**472**	**524**						**511**	**31**	**472**	**543**	**250 min.**
	TD	**505**	**561**	**586**	**611**	**597**						**572**	**42**	**505**	**611**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.36	**2.37**									**2.36**	**0.01**	**2.36**	**2.37**	**2 - 3**

(End of Table 4)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

September 23, 2022

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

GAI-LAP
Initial: CVZ #:0.13
DATE: 09/23/2022

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 DATE REPORTED: **September 23, 2022**

REFERENCE TRI JOB NO.: CA221097

DATE RECEIVED: September 16, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FND0103600063 L#DPF811480	166807

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.

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 Espitia
Quality Assurance

Chad Blackwell
TRI-CA Director

Signatures are on file

2 Pages Total *(including this sheet)*

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**

QC'd By: Maria Espitia
TRI Job No.: **CA221097**
TRI Control No.: **166807**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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	80	81	81	81	80	83	81	81	82	81	1	80	83	76 min. ave.
ASTM D792	Specific 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	*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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	244	253	215	232	215						232	17	215	253	120 min.
	TD	278	258	260	263	259						264	8	258	278	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	551	531	485	524	501						518	26	485	551	250 min.
	TD	640	589	627	609	611						615	19	589	640	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.42	2.44									2.43	0.01	2.42	2.44	2 - 3

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

September 28, 2022

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

GAI-LAP
Initial: CVZ #:0.13
DATE: 09/28/2022

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 DATE REPORTED: **September 28, 2022**

REFERENCE TRI JOB NO.: CA221120

DATE RECEIVED: September 21, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FND0103600078 L#DPF811350	166946

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.

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 Espitia
Quality Assurance

Chad Blackwell
TRI-CA Director

Signatures are on file

2 Pages Total *(including this sheet)*

TABLE 1.

MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: **9/21/2022**
Date Reported: **9/28/2022**
Client Sample ID: **R#FND0103600078 L#DPF811350**
Material Description: **80mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia
TRI Job No.: **CA221120**
TRI Control No.: **166946**

		SPECIMENS														Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	**DESCRIPTION**															
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.
		84	**82**	**82**	**81**	**80**	**83**	**82**	**80**	**82**	**80**	**82**	**1**	**80**	**84**	**76 min. ave.**
ASTM D792	Specific 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:															
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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**221**	**219**	**214**	**220**	**238**						**222**	**9**	**214**	**238**	**120 min.**
	TD	**215**	**249**	**241**	**249**	**246**						**240**	**14**	**215**	**249**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**485**	**477**	**462**	**495**	**522**						**488**	**22**	**462**	**522**	**250 min.**
	TD	**524**	**581**	**563**	**574**	**566**						**562**	**22**	**524**	**581**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.47	**2.50**									**2.48**	**0.02**	**2.47**	**2.50**	**2 - 3**

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

September 28, 2022

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

GAI-LAP
Initial: CVZ #:0.13
DATE: 09/28/2022

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 DATE REPORTED: **September 28, 2022**

REFERENCE TRI JOB NO.: CA221122

DATE RECEIVED: September 22, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FND0103600094 L#DPF811350	166950
R#FND0103600111 L#DPH810510	166951
R#FND0103600127 L#DPH810510	166952
R#FND0103600142 L#DPH810510	166953

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 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 Espitia
Quality Assurance

Chad Blackwell
TRI-CA Director

Signatures are on file

5 Pages Total *(including this sheet)*

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: Maria Espitia
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	**DESCRIPTION**															
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.**
		81	**82**	**81**	**81**	**84**	**82**	**82**	**83**	**80**	**81**	**82**	**1**	**80**	**84**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9335**	**0.9336**									**0.9336**	**0.0001**	**0.9335**	**0.9336**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**259**	**226**	**219**	**224**	**233**						**232**	**16**	**219**	**259**	**120 min.**
	TD	**240**	**231**	**268**	**260**	**262**						**252**	**16**	**231**	**268**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**543**	**494**	**466**	**502**	**525**						**506**	**29**	**466**	**543**	**250 min.**
	TD	**562**	**527**	**625**	**602**	**609**						**585**	**40**	**527**	**625**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.48	**2.46**									**2.47**	**0.02**	**2.46**	**2.48**	**2 - 3**

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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 Espitia
TRI Job No.: **CA221122**
TRI Control No.: **166951**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.**
		81	**85**	**82**	**81**	**81**	**83**	**80**	**81**	**81**	**82**	**82**	**1**	**80**	**85**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9352**	**0.9352**									**0.9352**	**0.0000**	**0.9352**	**0.9352**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**254**	**225**	**254**	**226**	**249**						**242**	**15**	**225**	**254**	**120 min.**
	TD	**241**	**281**	**266**	**241**	**268**						**260**	**18**	**241**	**281**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**552**	**499**	**558**	**504**	**546**						**532**	**28**	**499**	**558**	**250 min.**
	TD	**566**	**636**	**609**	**553**	**610**						**595**	**34**	**553**	**636**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.45	**2.42**									**2.43**	**0.02**	**2.42**	**2.45**	**2 - 3**

(End of Table 2)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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 Espitia
TRI Job No.: **CA221122**
TRI Control No.: **166952**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.**
		84	**81**	**84**	**81**	**82**	**81**	**80**	**81**	**83**	**83**	**82**	**1**	**80**	**84**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9340**	**0.9342**									**0.9341**	**0.0001**	**0.9340**	**0.9342**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**248**	**227**	**234**	**249**	**225**						**237**	**11**	**225**	**249**	**120 min.**
	TD	**273**	**248**	**267**	**275**	**244**						**261**	**14**	**244**	**275**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**540**	**501**	**526**	**545**	**491**						**520**	**24**	**491**	**545**	**250 min.**
	TD	**601**	**561**	**588**	**613**	**548**						**582**	**27**	**548**	**613**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.45	**2.43**									**2.44**	**0.02**	**2.43**	**2.45**	**2 - 3**

(End of Table 3)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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**

QC'd By: Maria Espitia
TRI Job No.: **CA221122**
TRI Control No.: **166953**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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**	**82**	**81**	**80**	**81**	**83**	**83**	**81**	**81**	**81**	**1**	**80**	**83**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9377**	**0.9380**									**0.9378**	**0.0002**	**0.9377**	**0.9380**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**246**	**227**	**260**	**253**	**258**						**249**	**13**	**227**	**260**	**120 min.**
	TD	**227**	**246**	**261**	**271**	**271**						**255**	**19**	**227**	**271**	
	Elongation at Break (percent, %) *Gauge Length = 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	Carbon Content															
	Apparatus: Muffle Furnace															
		2.42	**2.45**									**2.43**	**0.02**	**2.42**	**2.45**	**2 - 3**

(End of Table 4)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

October 3, 2022

GAI-LAP
Initial: CVZ #:0.13
DATE: 10/03/2022

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 DATE REPORTED: **October 3, 2022**

REFERENCE TRI JOB NO.: CA221132

DATE RECEIVED: September 26, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FND0103600157 L#DPH810510	166984
R#FND0103600173 L#DPH810510	166985

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 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.

3 Pages Total *(including this sheet)*

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: Maria Espitia
TRI Job No.: **CA221132**
TRI Control No.: **166984**

		SPECIMENS														Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	**DESCRIPTION**															
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.**
		82	**80**	**82**	**81**	**80**	**82**	**82**	**81**	**83**	**84**	**82**	**1**	**80**	**84**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9351**	**0.9351**									**0.9351**	**0.0000**	**0.9351**	**0.9351**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**293**	**259**	**249**	**267**	**222**						**258**	**26**	**222**	**293**	**120 min.**
	TD	**240**	**254**	**267**	**270**	**253**						**257**	**12**	**240**	**270**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**589**	**562**	**548**	**564**	**496**						**552**	**35**	**496**	**589**	**250 min.**
	TD	**577**	**605**	**630**	**645**	**598**						**611**	**27**	**577**	**645**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.48	**2.43**									**2.46**	**0.04**	**2.43**	**2.48**	**2 - 3**

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

TABLE 2.

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#FND0103600173 L#DPH810510**
Material Description: **80mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia
TRI Job No.: **CA221132**
TRI Control No.: **166985**

		SPECIMENS														Proj.
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Specs.
METHOD	**DESCRIPTION**															
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.
		81	81	81	80	81	80	82	82	80	81	81	1	80	82	76 min. ave.
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		0.9382	0.9382									0.9382	0.0000	0.9382	0.9382	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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	247	285	239	295	295						272	27	239	295	120 min.
	TD	264	262	261	267	259						263	3	259	267	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	528	569	516	594	611						563	41	516	611	250 min.
	TD	609	622	614	633	616						619	9	609	633	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.43	2.45									2.44	0.02	2.43	2.45	2 - 3

(End of Table 2)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

October 3, 2022

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

GAI-LAP
Initial: CVZ #:0.13
DATE: 10/03/2022

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 DATE REPORTED: **October 3, 2022**

REFERENCE TRI JOB NO.: CA221140

DATE RECEIVED: September 27, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FND0103600188 L#DPH810490	167063

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.

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 Espitia
Quality Assurance

Chad Blackwell
TRI-CA Director

Signatures are on file

2 Pages Total *(including this sheet)*

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: Maria Espitia
TRI Job No.: **CA221140**
TRI Control No.: **167063**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.**
		81	**82**	**84**	**80**	**82**	**81**	**82**	**80**	**82**	**83**	**82**	**1**	**80**	**84**	**76 min. ave.**
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		**0.9379**	**0.9379**									**0.9379**	**0.0000**	**0.9379**	**0.9379**	**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**265**	**267**	**246**	**238**	**245**						**252**	**13**	**238**	**267**	**120 min.**
	TD	**289**	**262**	**237**	**270**	**297**						**271**	**23**	**237**	**297**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**610**	**622**	**575**	**569**	**588**						**593**	**23**	**569**	**622**	**250 min.**
	TD	**602**	**572**	**540**	**560**	**613**						**577**	**30**	**540**	**613**	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.36	**2.36**									**2.36**	**0.00**	**2.36**	**2.36**	**2 - 3**

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

October 3, 2022

GAI-LAP
Initial: CVZ #:0.13
DATE: 10/03/2022

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 DATE REPORTED: **October 3, 2022**

REFERENCE TRI JOB NO.: CA221145

DATE RECEIVED: September 28, 2022

SAMPLED BY: TRI-CA at AGRU, NV

SAMPLE IDENTIFICATIONS:

SAMPLE ID	*TRI CONTROL NUMBER*
R#FND0103600203 L#DPH810490	167080
R#FND0103600218 L#DPH810490	167081

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 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.

3 Pages Total *(including this sheet)*

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 Espitia
TRI Job No.: **CA221145**
TRI Control No.: **167080**

METHOD	DESCRIPTION	SPECIMENS 1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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.
		82	81	81	81	82	80	81	80	81	82	81	1	80	82	76 min. ave.
ASTM D792	Specific Gravity (23/ 23°C)															
Method A		0.9369	0.9370									0.9370	0.0000	0.9369	0.9370	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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	263	270	293	277	260						273	13	260	293	120 min.
	TD	267	273	272	274	258						269	7	258	274	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	552	547	584	576	555						563	16	547	584	250 min.
	TD	622	629	625	627	589						618	17	589	629	
ASTM D4218	Carbon Content															
	Apparatus: Muffle Furnace															
		2.53	2.48									2.50	0.03	2.48	2.53	2 - 3

(End of Table 1)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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

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: Maria Espitia
TRI Job No.: **CA221145**
TRI Control No.: **167081**

		SPECIMENS														
		1	2	3	4	5	6	7	8	9	10	Avg.	Std. Dev.	Min	Max	Proj. Specs.
METHOD	**DESCRIPTION**															
ASTM D5994	Thickness (mils)															
	Apparatus: Dead-weight dial micrometer with gauge points tapered at an angle of 60° +/- 2° 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 Gravity (23/ 23°C)															
Method A		**0.9359**	**0.9360**									**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*															
	Tensile Strength at Break (lbs/ in.- width)															
	MD	**278**	**266**	**280**	**253**	**256**						**267**	**12**	**253**	**280**	**120 min.**
	TD	**267**	**264**	**264**	**268**	**277**						**268**	**5**	**264**	**277**	
	Elongation at Break (percent, %) *Gauge Length = 2.0 in.*															
	MD	**567**	**533**	**567**	**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**									**2.49**	**0.06**	**2.45**	**2.53**	**2 - 3**

(End of Table 2)

LEGENDS:
MD - MACHINE DIRECTION
TD- TRANSVERSE DIRECTION

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