



# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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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: 100mil LLDPE Double Sided Microspike

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

Manufacturer: AGRU

Location: NV

No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft <sup>2</sup> )	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
1	FND0091860004	DNM810400	335	23	7705	3/16/2022	TRI-CA	3/18/2022	3/22/2022	CA220244 C#162128
2	FND0091860005	DNM810400	335	23	7705	3/16/2022				
3	FND0091860006	DNM810400	335	23	7705	3/16/2022				
4	FND0091860007	DNM810400	335	23	7705	3/16/2022				
5	FND0091860008	DNM810400	335	23	7705	3/16/2022				
6	FND0091860009	DNM810400	335	23	7705	3/16/2022				
7	FND0091860010	DNM810400	335	23	7705	3/16/2022				
8	FND0091860011	DNM810400	335	23	7705	3/16/2022				
9	FND0091860012	DNM810400	335	23	7705	3/16/2022				
10	FND0091860013	DNM810400	335	23	7705	3/16/2022				
11	FND0091860014	DNM810400	335	23	7705	3/16/2022				
12	FND0091860015	DNM810400	335	23	7705	3/17/2022				
13	FND0091860016	DNM810400	335	23	7705	3/17/2022				
14	FND0091860017	DNM810400	335	23	7705	3/17/2022				
15	FND0091860018	DNM810400	335	23	7705	3/17/2022				
16	FND0091860019	DNM810400	335	23	7705	3/17/2022				
17	FND0091860020	DNM810400	335	23	7705	3/17/2022				
18	FND0091860021	DNM810400	335	23	7705	3/17/2022				
19	FND0091860022	DNM810400	335	23	7705	3/17/2022				
20	FND0091860023	DNM810400	335	23	7705	3/17/2022	TRI-CA	3/18/2022	3/22/2022	CA220244 C#162129
21	FND0091860024	DNM810400	335	23	7705	3/17/2022				
22	FND0091860025	DNM810400	335	23	7705	3/17/2022				
23	FND0091860026	DNM810400	335	23	7705	3/17/2022				
24	FND0091860027	DNM810400	335	23	7705	3/17/2022				
25	FND0091860028	DNM810400	335	23	7705	3/17/2022				
26	FND0091860029	DNM810400	335	23	7705	3/17/2022				
27	FND0091860030	DNM810400	335	23	7705	3/18/2022				
28	FND0091860031	DNM810400	335	23	7705	3/18/2022				



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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: 100mil LLDPE Double Sided Microspike

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

Manufacturer: AGRU

Location: NV

No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft <sup>2</sup> )	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
29	FND0091860032	DNM810400	335	23	7705	3/18/2022				
30	FND0091860033	DNM810400	335	23	7705	3/18/2022				
31	FND0091860034	DNM810400	335	23	7705	3/18/2022				
32	FND0091860035	DNM810400	335	23	7705	3/18/2022				
33	FND0091860036	DNM810400	335	23	7705	3/18/2022				
34	FND0091860037	DNM810400	335	23	7705	3/18/2022				
35	FND0091860038	DNM810400	335	23	7705	3/18/2022				
36	FND0091860039	DNM810400	335	23	7705	3/18/2022				
37	FND0091860040	DNM810400	335	23	7705	3/18/2022				
38	FND0091860041	DNM810400	335	23	7705	3/18/2022				
39	FND0091860042	DNM810400	335	23	7705	3/18/2022	TRI-CA	3/21/2022	3/23/2022	CA22247 C#162133
40	FND0091860043	DNM810400	335	23	7705	3/18/2022				
41	FND0091860044	DNM810400	335	23	7705	3/18/2022				
42	FND0091860045	DNM810400	335	23	7705	3/18/2022				
43	FND0091860046	DNM810400	335	23	7705	3/19/2022				
44	FND0091860047	DNM810400	335	23	7705	3/19/2022				
45	FND0091860048	DNM810400	335	23	7705	3/19/2022				
46	FND0091860049	DNM810400	335	23	7705	3/19/2022				
47	FND0091860050	DNM810400	335	23	7705	3/19/2022				
48	FND0091860051	DNM810400	335	23	7705	3/19/2022				
49	FND0091860052	DNM810400	335	23	7705	3/19/2022				
50	FND0091860053	DNM810400	335	23	7705	3/19/2022				
51	FND0091860054	DNM810400	335	23	7705	3/19/2022				
52	FND0091860055	DNM810400	335	23	7705	3/19/2022				
53	FND0091860056	DNM810400	335	23	7705	3/19/2022				
54	FND0091860057	DNM810400	335	23	7705	3/19/2022				
55	FND0091860058	DNM810400	335	23	7705	3/19/2022				
56	FND0091860059	DNM810400	335	23	7705	3/19/2022				



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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: 100mil LLDPE Double Sided Microspike

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

Manufacturer: AGRU

Location: NV

No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft <sup>2</sup> )	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
57	FND0091860060	DNM810400	335	23	7705	3/19/2022				
58	FND0091860061	DNM810400	335	23	7705	3/20/2022	TRI-CA	3/21/2022	3/23/2022	CA22247 C#162134
59	FND0091860062	DNM810400	335	23	7705	3/20/2022				
60	FND0091860063	DNM810400	335	23	7705	3/20/2022				
61	FND0091860064	DNM810400	335	23	7705	3/20/2022				
62	FND0091860065	DNM810400	335	23	7705	3/20/2022				
63	FND0091860066	DNM810400	335	23	7705	3/20/2022				
64	FND0091860067	DNM810400	335	23	7705	3/20/2022				
65	FND0091860068	DNM810400	335	23	7705	3/20/2022				
66	FND0091860069	DNM810400	335	23	7705	3/20/2022				
67	FND0091860070	DNM810400	335	23	7705	3/20/2022				
68	FND0091860071	DNM810400	335	23	7705	3/20/2022				
69	FND0091860072	DNM810400	335	23	7705	3/20/2022				
70	FND0091860073	DNM810400	335	23	7705	3/20/2022				
71	FND0091860074	DNM810400	335	23	7705	3/20/2022				
72	FND0091860075	DNM810400	335	23	7705	3/20/2022				
73	FND0091860076	DNM810400	335	23	7705	3/21/2022				
74	FND0091860077	DNM810400	335	23	7705	3/21/2022				
75	FND0091860078	DNM810400	335	23	7705	3/21/2022				
Sub Total ft <sup>2</sup> =					577875					
76	FND0091860079	DPB810030	335	23	7705	3/21/2022				
77	FND0091860080	DPB810030	335	23	7705	3/21/2022	TRI-CA	3/21/2022	3/23/2022	CA22247 C#162135
78	FND0091860081	DPB810030	335	23	7705	3/21/2022				
79	FND0091860082	DPB810030	335	23	7705	3/21/2022				
80	FND0091860083	DPB810030	335	23	7705	3/22/2022				
81	FND0091860085	DPB810030	335	23	7705	3/22/2022				
82	FND0091860086	DPB810030	335	23	7705	3/22/2022				
83	FND0091860087	DPB810030	335	23	7705	3/22/2022				



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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: 100mil LLDPE Double Sided Microspike

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

Manufacturer: AGRU

Location: NV

No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft <sup>2</sup> )	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
84	FND0091860088	DPB810030	335	23	7705	3/23/2022				
85	FND0091860089	DPB810030	335	23	7705	3/23/2022				
86	FND0091860090	DPB810030	335	23	7705	3/23/2022				
87	FND0091860091	DPB810030	335	23	7705	3/23/2022				
88	FND0091860092	DPB810030	335	23	7705	3/23/2022				
89	FND0091860093	DPB810030	335	23	7705	3/23/2022				
90	FND0091860094	DPB810030	335	23	7705	3/23/2022				
91	FND0091860095	DPB810030	335	23	7705	3/23/2022				
92	FND0091860096	DPB810030	335	23	7705	3/23/2022				
93	FND0091860097	DPB810030	335	23	7705	3/23/2022				
94	FND0091860098	DPB810030	335	23	7705	3/23/2022				
95	FND0091860099	DPB810030	335	23	7705	3/23/2022				
96	FND0091860100	DPB810030	335	23	7705	3/23/2022	TRI-CA	3/25/2022	3/29/2022	CA220269 C#162285
97	FND0091860101	DPB810030	335	23	7705	3/23/2022				
98	FND0091860102	DPB810030	335	23	7705	3/23/2022				
99	FND0091860103	DPB810030	335	23	7705	3/24/2022				
100	FND0091860104	DPB810030	335	23	7705	3/24/2022				
101	FND0091860105	DPB810030	335	23	7705	3/24/2022				
102	FND0091860106	DPB810030	335	23	7705	3/24/2022				
103	FND0091860107	DPB810030	335	23	7705	3/24/2022				
104	FND0091860108	DPB810030	335	23	7705	3/24/2022				
105	FND0091860109	DPB810030	335	23	7705	3/24/2022				
106	FND0091860110	DPB810030	335	23	7705	3/24/2022				
107	FND0091860111	DPB810030	335	23	7705	3/24/2022				
108	FND0091860113	DPB810030	335	23	7705	3/24/2022				
109	FND0091860114	DPB810030	335	23	7705	3/24/2022				
110	FND0091860115	DPB810030	335	23	7705	3/24/2022				
111	FND0091860116	DPB810030	335	23	7705	3/24/2022				



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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: 100mil LLDPE Double Sided Microspike

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

Manufacturer: AGRU

Location: NV

No.	Roll #	Lot #	Length (ft.)	Width (ft.)	Area (ft <sup>2</sup> )	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
112	FND0091860117	DPB810030	335	23	7705	3/25/2022				
113	FND0091860118	DPB810030	335	23	7705	3/25/2022				
114	FND0091860119	DPB810030	335	23	7705	3/25/2022				
115	FND0091860120	DPB810030	335	23	7705	3/25/2022	TRI-CA	3/25/2022	3/29/2022	CA220269 C#162286
116	FND0091860121	DPB810030	335	23	7705	3/25/2022				
117	FND0091860122	DPB810030	335	23	7705	3/25/2022				
118	FND0091860123	DPB810030	335	23	7705	3/25/2022				
119	FND0091860124	DPB810030	335	23	7705	3/25/2022				
120	FND0091860125	DPB810030	335	23	7705	3/25/2022				
121	FND0091860126	DPB810030	335	23	7705	3/25/2022				
122	FND0091860127	DPB810030	335	23	7705	3/25/2022				
123	FND0091860128	DPB810030	335	23	7705	3/25/2022				
124	FND0091860129	DPB810030	335	23	7705	3/25/2022				
125	FND0091860130	DPB810030	335	23	7705	3/25/2022				
126	FND0091860131	DPB810030	335	23	7705	3/25/2022				
127	FND0091860132	DPB810030	335	23	7705	3/25/2022				
128	FND0091860133	DPB810030	335	23	7705	3/26/2022				
129	FND0091860134	DPB810030	335	23	7705	3/26/2022				
130	FND0091860135	DPB810030	335	23	7705	3/26/2022				
131	FND0091860136	DPB810030	335	23	7705	3/26/2022				
132	FND0091860137	DPB810030	335	23	7705	3/26/2022				
133	FND0091860138	DPB810030	335	23	7705	3/26/2022				
Sub Total ft <sup>2</sup> =					446890					
TOTAL ft <sup>2</sup> =					1,024,765					



# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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March 30, 2022

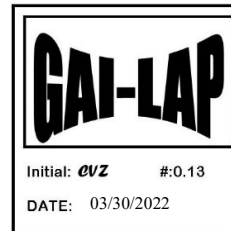
Nikoliya Boyanich

**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) 100mil LLDPE Double Sided Microspike samples.

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

**DATE REPORTED:** March 30, 2022

**REFERENCE TRI JOB NO.:** CA220244

**DATE RECEIVED:** March 22, 2022

**SAMPLED BY:** TRI-CA, AGRU NV

**SAMPLE IDENTIFICATIONS:**

**SAMPLE ID**

R#FND0091860004 L#DNM810400

R#FND0091860023 L#DNM810400

**TRI CONTROL NUMBER**

162128

162129

**TESTS REQUIRED / PERFORMED:**

**TEST METHOD**

1. ASTM D5994

2. ASTM D6693

3. ASTM D792

4. ASTM D4218

**DESCRIPTION**

Thickness

Tensile Properties

Specific Gravity

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*

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: **3/22/2022**  
Date Reported: **3/30/2022**  
Client Sample ID: **R#FND0091860004 L#DNM810400**  
Material Description: **100mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia  
TRI Job No.: **CA220244**  
TRI Control No.: **162128**

SPECIMENS											Avg.	Std. Dev.	Min	Max	Proj. Specs.
METHOD	DESCRIPTION	1	2	3	4	5	6	7	8	9	10				
ASTM D5994	Thickness (mils) <i>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)</i> <i>Loading Time: 5 sec Specimen Size: 4" x 4"</i>														
		100	100	101	101	101	101	102	102	102	103	101	1	100	103
ASTM D792	Specific Gravity (23/ 23°C)														
Method A		0.9323	0.9322									0.9323	0.0000	0.9322	0.9323
ASTM D6693	Tensile Properties:														
Type IV	<i>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</i>														
	Tensile Strength at Break (lbs/ in.- width)														
MD		341	342	330	312	328						331	12	312	342
TD		335	346	345	350	353						346	7	335	353
	Elongation at Break (percent, %) <i>Gauge Length = 2.0 in.</i>														
MD		564	578	574	537	554						561	16	537	578
TD		615	622	616	648	656						631	19	615	656
ASTM D4218	Carbon Content														
	<i>Apparatus: Muffle Furnace</i>														
		2.35	2.42									2.38	0.05	2.35	2.42

(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.

LEGENDS:  
MD - MACHINE DIRECTION  
TD- TRANSVERSE DIRECTION



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TABLE 2.

## MATERIAL PROPERTIES

CLIENT: NewFields

PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: 3/22/2022

Date Reported: 3/30/2022

Client Sample ID: R#FND0091860023 L#DNM810400

Material Description: 100mil LLDPE Double Sided Microspike

QC'd By: *Maria Espitia*

TRI Job No.: CA220244

TRI Control No.: 162129

SPECIMENS											Avg.	Std. Dev.	Min	Max	Proj. Specs.	
1	2	3	4	5	6	7	8	9	10							
METHOD	DESCRIPTION															
ASTM D5994	Thickness (mils) <i>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)</i> <i>Loading Time: 5 sec Specimen Size: 4" x 4"</i>														85 min. 95 min. ave.	
	101	101	101	102	102	100	103	104	105	100	102	2	100	105		
ASTM D792	Specific Gravity (23/ 23°C)															0.939 max.
Method A	0.9386	0.9386									0.9386	0.0000	0.9386	0.9386		
ASTM D6693	Tensile Properties:															150 min.
Type IV	<i>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</i>															
	Tensile Strength at Break (lbs/ in.- width)															250 min.
MD	306	305	318	319	310						311	6	305	319		
TD	352	350	328	373	348						350	16	328	373		
	Elongation at Break (percent, %) <i>Gauge Length = 2.0 in.</i>															250 min.
MD	531	551	559	564	555						552	13	531	564		
TD	620	639	589	664	636						630	28	589	664		
ASTM D4218	Carbon Content															2 - 3
	<i>Apparatus: Muffle Furnace</i>															
	2.51	2.38									2.44	0.09	2.38	2.51		

(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.

### LEGENDS:

MD - MACHINE DIRECTION

TD- TRANSVERSE DIRECTION

1970 S. Santa Cruz Street, Anaheim, CA 92805, [www.precisionlabs.net](http://www.precisionlabs.net)

TRI Environmental, Inc. dba Precision Geosynthetic Laboratories International



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March 30, 2022

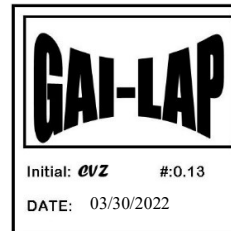
Nikoliya Boyanich

**NewFields**

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

Enclosed is the **final** laboratory report for the Conformance testing of three (3) 100mil LLDPE Double Sided Microspike samples.

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

**DATE REPORTED:** March 30, 2022

**REFERENCE TRI JOB NO.:** CA220247

**DATE RECEIVED:** March 23, 2022

**SAMPLED BY:** TRI-CA, AGRU NV

**SAMPLE IDENTIFICATIONS:**

**SAMPLE ID**

R#FND0091860042 L#DNM810400

R#FND0091860061 L#DNM810400

R#FND0091860080 L#DPB810030

**TRI CONTROL NUMBER**

162133

162134

162135

**TESTS REQUIRED / PERFORMED:**

**TEST METHOD**

1. ASTM D5994

2. ASTM D6693

3. ASTM D792

4. ASTM D4218

**DESCRIPTION**

Thickness

Tensile Properties

Specific Gravity

Carbon Content Muffle

**TEST RESULTS:** The test results are summarized in the attached Tables 1 to 3.

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.

**4 Pages Total (including this sheet)**



# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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**TABLE 1.**  
**MATERIAL PROPERTIES**  
**CLIENT: NewFields**  
**PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A**

Date Received: **3/23/2022**  
 Date Reported: **3/30/2022**  
 Client Sample ID: **R#FND0091860042 L#DNM810400**  
 Material Description: **100mil LLDPE Double Sided Microspike**

QC'd By: *Maria Espitia*  
 TRI Job No.: **CA220247**  
 TRI Control No.: **162133**

SPECIMENS											Avg.	Std. Dev.	Min	Max	Proj. Specs.	
1	2	3	4	5	6	7	8	9	10							
METHOD	DESCRIPTION															
ASTM D5994	Thickness (mils) <i>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)</i> <i>Loading Time: 5 sec Specimen Size: 4" x 4"</i>														85 min. 95 min. ave.	
	101	100	101	101	101	99	101	100	100	100	100	1	99	101		
ASTM D792	Specific Gravity (23/ 23°C)															0.939 max.
Method A	0.9382	0.9381									0.9381	0.0001	0.9381	0.9382		
ASTM D6693	Tensile Properties:															150 min.     250 min.
Type IV	<i>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</i>															
	Tensile Strength at Break (lbs/ in.- width)															
MD	336	327	302	312	320						319	13	302	336		
TD	352	343	330	365	376						353	18	330	376		
	Elongation at Break (percent, %) <i>Gauge Length = 2.0 in.</i>															
	MD	554	555	535	538	549						546	9	535	555	
	TD	641	656	623	664	675						652	20	623	675	
ASTM D4218	Carbon Content															2 - 3
	<i>Apparatus: Muffle Furnace</i>															
	2.45	2.39									2.42	0.04	2.39	2.45		

(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.

LEGENDS:  
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 TRI Environmental, Inc. dba Precision Geosynthetic Laboratories International



# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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**TABLE 2.**  
**MATERIAL PROPERTIES**  
**CLIENT: NewFields**  
**PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A**

Date Received: **3/23/2022**  
Date Reported: **3/30/2022**  
Client Sample ID: **R#FND0091860061 L#DNM810400**  
Material Description: **100mil LLDPE Double Sided Microspike**

QC'd By: *Maria Espitia*  
TRI Job No.: **CA220247**  
TRI Control No.: **162134**

SPECIMENS											Avg.	Std. Dev.	Min	Max	Proj. Specs.
1	2	3	4	5	6	7	8	9	10						
<b>METHOD</b>	<b>DESCRIPTION</b>														
ASTM D5994	Thickness (mils) <i>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)</i> <i>Loading Time: 5 sec Specimen Size: 4" x 4"</i>														
	100	101	101	102	102	101	102	102	103	103	102	1	100	103	85 min. 95 min. ave.
ASTM D792 Method A	Specific Gravity (23/ 23°C) <b>0.9368 0.9371</b>										0.9369	0.0002	0.9368	0.9371	0.939 max.
ASTM D6693 Type IV	<u>Tensile Properties:</u> <i>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</i> Tensile Strength at Break (lbs/ in.- width)														
	MD	313	329	298	320	336					319	15	298	336	150 min.
	TD	372	341	364	339	362					356	15	339	372	
	Elongation at Break (percent, %) <i>Gauge Length = 2.0 in.</i>														
	MD	565	573	526	564	604					566	28	526	604	250 min.
	TD	673	639	656	625	654					650	18	625	673	
ASTM D4218	Carbon Content <i>Apparatus: Muffle Furnace</i>														
		2.46	2.49								2.47	0.02	2.46	2.49	2 - 3

(End of Table 2)

(Sheet 1 of 1)

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LEGENDS:  
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# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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**TABLE 3.**  
**MATERIAL PROPERTIES**  
**CLIENT: NewFields**  
**PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A**

Date Received: **3/23/2022**  
 Date Reported: **3/30/2022**  
 Client Sample ID: **R#FND0091860080 L#DPB810030**  
 Material Description: **100mil LLDPE Double Sided Microspike**

QC'd By: *Maria Espitia*  
 TRI Job No.: **CA220247**  
 TRI Control No.: **162135**

SPECIMENS											Avg.	Std. Dev.	Min	Max	Proj. Specs.	
1	2	3	4	5	6	7	8	9	10							
METHOD	DESCRIPTION															
ASTM D5994	Thickness (mils) <i>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)</i> <i>Loading Time: 5 sec Specimen Size: 4" x 4"</i>														85 min. 95 min. ave.	
	101	100	101	102	102	101	101	100	100	101	101	1	100	102		
ASTM D792	Specific Gravity (23/ 23°C)															0.939 max.
Method A	0.9364	0.9367									0.9366	0.0002	0.9364	0.9367		
ASTM D6693	<u>Tensile Properties:</u>															
Type IV	<i>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</i>															
	Tensile Strength at Break (lbs/ in.- width)															150 min.
MD	319	348	352	313	323						331	18	313	352		
TD	331	328	302	362	322						329	22	302	362		
	Elongation at Break (percent, %)															250 min.
MD	551	575	587	520	555	Gauge Length = 2.0 in.					557	26	520	587		
TD	624	617	581	662	683						633	40	581	683		
ASTM D4218	Carbon Content															2 - 3
	<i>Apparatus: Muffle Furnace</i>															
	2.38	2.51									2.45	0.10	2.38	2.51		

(End of Table 3)

(Sheet 1 of 1)

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# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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April 4, 2022

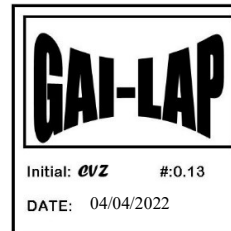
Nikoliya Boyanich

**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) 100mil LLDPE Double Sided Microspike samples.

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

**DATE REPORTED:** April 4, 2022

**REFERENCE TRI JOB NO.:** CA220269

**DATE RECEIVED:** March 29, 2022

**SAMPLED BY:** TRI-CA, AGRU NV

**SAMPLE IDENTIFICATIONS:**

**SAMPLE ID**

R#FND0091860100 L#DPB810030

R#FND0091860120 L#DPB810030

**TRI CONTROL NUMBER**

162285

162286

**TESTS REQUIRED / PERFORMED:**

**TEST METHOD**

1. ASTM D5994

2. ASTM D6693

3. ASTM D792

4. ASTM D4218

**DESCRIPTION**

Thickness

Tensile Properties

Specific Gravity

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*

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: **3/29/2022**  
Date Reported: **4/4/2022**  
Client Sample ID: **R#FND0091860100 L#DPB810030**  
Material Description: **100mil LLDPE Double Sided Microspike**

QC'd By: *Maria Espitia*  
TRI Job No.: **CA220269**  
TRI Control No.: **162285**

SPECIMENS											Avg.	Std. Dev.	Min	Max	Proj. Specs.	
	1	2	3	4	5	6	7	8	9	10						
METHOD	DESCRIPTION															
ASTM D5994	Thickness (mils) <i>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)</i> <i>Loading Time: 5 sec Specimen Size: 4" x 4"</i>															
	105	102	115	111	107	109	108	107	111	109	108	4	102	115	85 min. 95 min. ave.	
ASTM D792	Specific Gravity (23/ 23°C)															
Method A	0.9362	0.9365									0.9363	0.0003	0.9362	0.9365	0.939 max.	
ASTM D6693	Tensile Properties:															
Type IV	<i>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</i>															
	Tensile Strength at Break (lbs/ in.- width)															
MD	302	310	307	317	341						315	15	302	341	150 min.	
TD	357	319	342	335	317						334	17	317	357		
	Elongation at Break (percent, %)															
MD	544	570	561	588	654	Gauge Length = 2.0 in.					583	43	544	654	250 min.	
TD	680	605	661	642	609						639	33	605	680		
ASTM D4218	Carbon Content															
	<i>Apparatus: Muffle Furnace</i>															
	2.47	2.50									2.48	0.02	2.47	2.50	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.

LEGENDS:  
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**TABLE 2.**  
**MATERIAL PROPERTIES**  
**CLIENT: NewFields**  
**PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A**

Date Received: **3/29/2022**  
Date Reported: **4/4/2022**  
Client Sample ID: **R#FND0091860120 L#DPB810030**  
Material Description: **100mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia  
TRI Job No.: **CA220269**  
TRI Control No.: **162286**

SPECIMENS											Avg.	Std. Dev.	Min	Max	Proj. Specs.		
1	2	3	4	5	6	7	8	9	10								
METHOD	DESCRIPTION																
ASTM D5994	Thickness (mils) <i>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)</i> <i>Loading Time: 5 sec Specimen Size: 4" x 4"</i>														85 min. 95 min. ave.		
	107	107	106	109	107	106	106	106	105	108	106	1	105	109			
ASTM D792	Specific Gravity (23/ 23°C)															0.939 max.	
Method A	0.9385	0.9384									0.9385	0.0001	0.9384	0.9385			
ASTM D6693	Tensile Properties:																
Type IV	<i>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</i>																
	Tensile Strength at Break (lbs/ in.- width)															150 min.	
	MD	325	301	326	324	334					322	12	301	334			
	TD	346	342	338	298	310					327	21	298	346			
	Elongation at Break (percent, %)										Gauge Length = 2.0 in.						250 min.
	MD	580	537	569	584	600					574	23	537	600			
	TD	654	650	647	583	565					620	42	565	654			
ASTM D4218	Carbon Content															2 - 3	
	<i>Apparatus: Muffle Furnace</i>																
	2.40	2.45									2.42	0.03	2.40	2.45			

(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.

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# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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## MANUFACTURING QA IN-PLANT SAMPLING/INSPECTION REPORT

Project Name: CC&V VLF2 Ph 3A

TYPE OF MQA: LEVEL (2)

QA by:

*Maria Espitia*

Material: 100mil LLDPE Double Sided Microspike

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

Manufacturer: AGRU

Location: NV

No.	Roll #	Resin Lot #	Length (ft.)	Width (ft.)	Area (ft <sup>2</sup> )	Date Manufactured	Sampled by	Date Sampled	Date Received	Reference Job No/ Control No
1	FND0105560002	DPH810650	335	23	7705	10/5/2022	TRI-CA	10/5/2022	10/6/2022	CA221181 C#167457
2	FND0105560003	DPH810650	335	23	7705	10/5/2022				
3	FND0105560004	DPH810650	335	23	7705	10/5/2022				
4	FND0105560005	DPH810650	335	23	7705	10/5/2022				
5	FND0105560006	DPH810650	335	23	7705	10/5/2022				
6	FND0105560007	DPH810650	335	23	7705	10/5/2022				
7	FND0105560008	DPH810650	335	23	7705	10/5/2022				
8	FND0105560009	DPH810650	335	23	7705	10/5/2022				
9	FND0105560010	DPH810650	335	23	7705	10/5/2022				
10	FND0105560011	DPH810650	335	23	7705	10/5/2022				
11	FND0105560012	DPH810650	335	23	7705	10/5/2022				
12	FND0105560013	DPH810650	335	23	7705	10/5/2022				
13	FND0105560014	DPH810650	335	23	7705	10/6/2022				
14	FND0105560015	DPH810650	335	23	7705	10/6/2022				
15	FND0105560016	DPH810650	335	23	7705	10/6/2022				
16	FND0105560017	DPH810650	335	23	7705	10/6/2022				
TOTAL ft <sup>2</sup> =					123,280					



# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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September 19, 2022

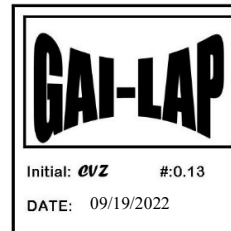
Nikoliya Boyanich

**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) 100mil LLDPE Double Sided Microspike samples.

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

**DATE REPORTED:** September 19, 2022

**REFERENCE TRI JOB NO.:** CA221077

**DATE RECEIVED:** September 13, 2022

**SAMPLED BY:** TRI-CA, AGRU NV

**SAMPLE IDENTIFICATIONS:**

**SAMPLE ID**

R#FNB0103590002 L#DPF811350

R#FNB0103590021 L#DPF811350

**TRI CONTROL NUMBER**

166713

166714

**TESTS REQUIRED / PERFORMED:**

**TEST METHOD**

1. ASTM D5994

2. ASTM D6693

3. ASTM D792

4. ASTM D4218

**DESCRIPTION**

Thickness

Tensile Properties

Specific Gravity

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*

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)**



# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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**TABLE 1.**  
**MATERIAL PROPERTIES**  
**CLIENT: NewFields**  
**PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A CQA**

Date Received: **9/13/2022**  
 Date Reported: **9/19/2022**  
 Client Sample ID: **R#FNB0103590002 L#DPF811350**  
 Material Description: **100mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia  
 TRI Job No.: **CA221077**  
 TRI Control No.: **166713**

SPECIMENS											Avg.	Std. Dev.	Min	Max	Proj. Specs.	
1	2	3	4	5	6	7	8	9	10							
METHOD	DESCRIPTION															
ASTM D5994	Thickness (mils) <i>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)</i> <i>Loading Time: 5 sec Specimen Size: 4" x 4"</i>														85 min. 95 min. ave.	
	101	101	105	101	103	104	102	102	109	100	103	2	100	109		
ASTM D792	Specific Gravity (23/ 23°C)															0.939 max.
Method A	0.9368	0.9368									0.9368	0.0000	0.9368	0.9368		
ASTM D6693	Tensile Properties:															
Type IV	<i>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</i>															
	Tensile Strength at Break (lbs/ in.- width)															150 min.
MD	308	316	300	304	319						309	8	300	319		
TD	343	341	333	345	312						335	14	312	345		
	Elongation at Break (percent, %) <i>Gauge Length = 2.0 in.</i>															
MD	565	561	548	539	589						560	19	539	589	250 min.	
TD	638	634	614	636	584						621	23	584	638		
ASTM D4218	Carbon Content															
	<i>Apparatus: Muffle Furnace</i>															
	2.44	2.48									2.46	0.03	2.44	2.48	2 - 3	

(End of Table 1)

(Sheet 1 of 1)

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LEGENDS:  
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# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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**TABLE 2.**  
**MATERIAL PROPERTIES**  
**CLIENT: NewFields**  
**PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A CQA**

Date Received: **9/13/2022**  
 Date Reported: **9/19/2022**  
 Client Sample ID: **R#FNB0103590021 L#DPF811350**  
 Material Description: **100mil LLDPE Double Sided Microspike**

QC'd By: *Maria Espitia*  
 TRI Job No.: **CA221077**  
 TRI Control No.: **166714**

SPECIMENS											Avg.	Std. Dev.	Min	Max	Proj. Specs.
	1	2	3	4	5	6	7	8	9	10					
<b>METHOD</b>	<b>DESCRIPTION</b>														
ASTM D5994	Thickness (mils)														
	<i>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)</i>														
	<i>Loading Time: 5 sec Specimen Size: 4" x 4"</i>														
	103	102	106	103	102	100	102	101	101	106	102	2	100	106	85 min. 95 min. ave.
ASTM D792	Specific Gravity (23/ 23°C)														
Method A	0.9378	0.9378									0.9378	0.0000	0.9378	0.9378	0.939 max.
ASTM D6693	<u>Tensile Properties:</u>														
Type IV	<i>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</i>														
	Tensile Strength at Break (lbs/ in.- width)														
MD	283	309	296	295	304						297	10	283	309	150 min.
TD	331	320	333	334	348						333	10	320	348	
	Elongation at Break (percent, %) <i>Gauge Length = 2.0 in.</i>														
MD	540	570	538	563	564						555	14	538	570	250 min.
TD	621	602	624	619	648						623	17	602	648	
ASTM D4218	Carbon Content														
	<i>Apparatus: Muffle Furnace</i>														
	2.50	2.46									2.48	0.03	2.46	2.50	2 - 3

(End of Table 2)

(Sheet 1 of 1)

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# TESTING, RESEARCH, CONSULTING AND FIELD SERVICES

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October 10, 2022

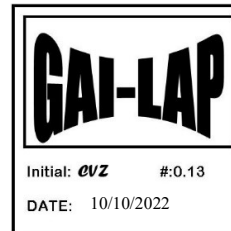
Nikoliya Boyanich

**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) 100mil LLDPE Double Sided Microspike sample.

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

**DATE REPORTED:** October 10, 2022

**REFERENCE TRI JOB NO.:** CA221181

**DATE RECEIVED:** October 5, 2022

**SAMPLED BY:** TRI-CA, AGRU NV

**SAMPLE IDENTIFICATIONS:**

**SAMPLE ID**

R#FND0105560002 L#DPH810650

**TRI CONTROL NUMBER**

167457

**TESTS REQUIRED / PERFORMED:**

**TEST METHOD**

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

**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 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)**



**TABLE 1.**  
**MATERIAL PROPERTIES**  
 CLIENT: NewFields  
 PROJECT: Cripple Creek & Victor Mine VLF2 Phase 3A

Date Received: **10/6/2022**  
 Date Reported: **10/10/2022**  
 Client Sample ID: **R#FND0105560002 L#DPH810650**  
 Material Description: **100mil LLDPE Double Sided Microspike**

QC'd By: Maria Espitia  
 TRI Job No.: **CA221181**  
 TRI Control No.: **167457**

SPECIMENS											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"														
	105	109	108	106	104	106	106	106	106	106	106	1	104	109	85 min. 95 min. ave.
ASTM D792	Specific Gravity (23/ 23°C)														
Method A	0.9376	0.9374									0.9375	0.0001	0.9374	0.9376	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	271	296	301	297	275						288	14	271	301	150 min.
TD	321	315	305	335	318						319	11	305	335	
	Elongation at Break (percent, %) Gauge Length = 2.0 in.														
MD	487	496	526	488	456						491	25	456	526	250 min.
TD	616	608	593	665	624						621	27	593	665	
ASTM D4218	Carbon Content														
	Apparatus: Muffle Furnace														
	2.47	2.48									2.47	0.01	2.47	2.48	2 - 3

(End of Table 1)

(Sheet 1 of 1)

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