



Twentymile Coal, LLC

29515 Routt County Road 27
Oak Creek, CO 80467
970.879.3800

February 13, 2023

Ms. Hunter Ridley
Environmental Protection Specialist
Division of Reclamation, Mining, and Safety
1313 Sherman Street - Room 215
Denver, Colorado 80203
720-868-7757

Re: Twentymile Coal, LLC (TC) – Foidel Creek Mine (C-82-056), 2022 Annual Reclamation Report

Dear Ms. Ridley:

Enclosed is the 2022 Annual Reclamation Report (ARR) for the Foidel Creek Mine. During 2022, a few activities were permitted and initiated under Minor Revision approvals (summarized as follows), with all of the permitted activities occurring within the existing Permit Area and most within existing disturbance areas, with changes in acreage noted below:

- MR22-320 – 7E Pad Site Tent Structures (Submitted 01/21/22 and approved 01/27/22, No new disturbance)
- MR21-321 – 6MN Bulk Material Borehole Replacement (Submitted 08/01/22 and approved 08/05/22, No new disturbance)
- MR21-322 – 5MN Fan Road Mod and Exhibit 14 update (Submitted 10/14/22 and approved 10/25/22, 0.45 acres new disturbance)

Changes in permitted, disturbed, and affected area acreages during 2022 included a total increase of 0.45 acres. This acreage was not disturbed during 2022 and therefore did not reflect on the actual disturbed acreage for the 2022 ARR. The actual disturbed acreage remained at 798.8 acres disturbed. No additional acreage was added to the affected area or the permit boundary during 2022, keeping the total at 22,647 acres and 19,996.33 acres, respectively. Please refer to the latest maps and text associated with the revisions referenced above, for specific details.

Key mining and related activities occurring during 2022 included:

- Ongoing development and longwall mining operations in the Wolf Creek Reserve
- Ongoing refuse placement activities.
- Sedimentation Ponds B, D and E were dredged to remove accumulated sediment as part of our ongoing drainage maintenance program
- Dewatering on the New West Mining District commenced.

- 6MN passive treatment system continues to develop.
- On-going CDPHE discharge permit application updates.

Under our ongoing noxious weed control program, TC contracted with Osborne Industries to complete noxious weed control spraying for both active and bond-released areas (approximately 100 acres), consistent with the approved Noxious Weed Control Plan (MR06-206). Areas sprayed for weeds are shown on the most recent map 29, Reclamation Map, and/or listed as follows (spot or area spraying, as appropriate):

- Substations electrical installations, propane storage areas, and surface conveyors (bare-ground spraying to address combustion hazard per MSHA)
- Both sides (approximately 30 to 40 feet) of facility roads
- Soil stockpiles
- Facility pad areas (e.g. 9RT, 10RT, 5MN, 6MN, 13LT, Fish Creek Borehole, 16LT, 18LT)
- Select areas on CRDA and associated soil/cover material stockpiles
- Pond embankments and perimeters

The spring spraying program (June) focused on spot or area spraying for control of white-top (hoary cress), houndstongue, knapweed, and mullein using Escort, Liberate, and 2,4D. The fall spraying program (August - September) focused on control of thistle, any residual weeds, and toadflax, which had previously been found on the site only as small, isolated occurrences, using 2,4D in combination with Tordon. Spraying was also conducted during the fall, within and around electrical installations, conveyors, and propane storage areas using Esplanade, Buccaneer, and Piper to eliminate all vegetation, as a fire-safety and MSHA consideration. Also part of the fall weed spraying is application towards all thistle varieties. As part of our ongoing land management programs, TC conducted managed livestock grazing activities on both affected and non-affected mine areas. The grazing activities are conducted by Camilletti and Sons, who graze around 8,000 yearly steers in the area annually (depending on range conditions).

There are several areas on the attached “2022 Annual Reclamation Report Disturbed Acreage” summary that are identified as “Reclaimed”. These areas have previously been regraded and stabilized with vegetation, however, TC has not pursued bond release for these areas due to the potential for re-disturbance in conjunction with required access and site maintenance activities.

Permit approvals and updated bond calculations during 2022 resulted in an overall increase in bond (\$22,956), increases in the calculated reclamation liability and required surety coverage, summarized as follows:

- MR22-320 – 7E Pad Site Tent Structures (+\$2,759)
- MR22-321 – 6MN Bulk Material Borehole (+\$16,417)
- MR22-322 – 5MN Road Mod and Exhibit 14 update (+\$3,780)

Attached is the standard form (CDRMS) Annual Reclamation Report for 2022 and an updated disturbance summary. If you have any questions or require further information, please feel free to contact me directly at (970) 870-2718.

Sincerely,
For Twentymile Coal, LLC

Miranda Kawcak

Miranda Kawcak
Manager Environmental

Attachments

cc: Nick Aromando/TC

Colorado Division of Reclamation, Mining and Safety

Annual Reclamation Report for Calendar Year – _____

Mine Name	Permit Number	Permittee
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Address

This report, required by Rule 2.04.13, is due by February 15 of each year, or other date, as agreed upon by the Division. It should include text, discussion, and maps, at a minimum, in addition to any other reclamation monitoring data as required by the approved permit. The location of the acreage reported under each land status category and year of seeding (if applicable) should be clearly identified on a map included with the report.

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acreage in Active Mining Areas ¹				=	

Land Category	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Acres Disturbed ²				=	
Acres Backfilled and Graded				=	
Acres Topsoiled				=	

Acreage in Long-term Facilities ³	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Non-Permanent Facilities				=	
Permanent Facilities (permitted)				=	
Totals				=	

Acres Seeded (permanent)	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
9 Years and Less				=	
10 Years and Greater				=	
Totals				=	

Bond Release	Last Year's Cumulative Total (from last year's ARR)	This Calendar Year			Cumulative Total
		Acres Added (+)	Acres Subtracted (-)		
Phase I Released				=	
Phase II Released				=	
Phase III Released				=	

¹Includes pits, topsoil stripped areas in advance of pits, and spoil not backfilled and graded

²Surface Mine Acres Disturbed = B&G + Long-Term Facilities + Active Mining Areas; Underground Mine Acres Disturbed = B&G + Long-Term Facilities; Separately-permitted Loadouts = B&G + Long-Term Facilities

³Includes haul, access and light-use roads, temporary dams and impoundments; permanent dams and impoundments; diversion and collector ditches, water and air monitoring sites; topsoil stockpiles; overburden stockpiles; repair, storage and construction areas; office area, repair shops, and parking; coal stockpiles, loading, and processing areas; railroads; coal conveyors; refuse piles and coal mine waste impoundments; head-of-hollow fills; valley fills; ventilation shafts and entryways; and non-coal waste disposal area (garbage dumps and coal combustion by-products disposal areas).

Twentymile Coal, LLC - Foidel Creek Mine

<u>AREA</u>	<u>DIST. ACREAGE</u>	<u>STATUS</u>
SANDSTONE SUBSTATION	1.00	ACTIVE
FISH CREEK BOREHOLE (W/ROAD)	3.50	ACTIVE
SURFACE FACILITIES	326.90	ACTIVE
COAL REFUSE PILE	69.70	ACTIVE
DRILL PAD 95M001	0.30	ACTIVE
VENT SHAFT EMD	2.80	RECLAIMED
EMD DEWATERING BOREHOLE (W/ROAD)	3.50	ACTIVE
ESCAPE SHAFT	2.50	ACTIVE
ROCK DUST TANK	0.10	ACTIVE
LIESKE SUBSTATION	0.20	ACTIVE
FACILITIES ALTERATION (TRUDY'S CORNER)	1.50	ACTIVE
NMD POWER BOREHOLE	1.80	ACTIVE
NMD VENT SHAFT W/ ACCESS RD	4.40	ACTIVE
FISH CREEK BOREHOLE WATERLINE	1.20	ACTIVE
COMPRESSOR LINE BOREHOLE	0.10	ACTIVE
18 RIGHT INTAKE SHAFT	18.80	RECLAIMED
BATHOUSE ADDITION	0.70	ACTIVE
YVEA CAPACITOR INSTALLATION	0.20	ACTIVE
BATCH-WEIGH LOADOUT ROAD	<u>0.50</u>	ACTIVE
SUBTOTAL - Active (Thru 2004)	439.70	
FISH CREEK TIPPLE	13.50	RECLAIMED
FISH CREEK BOREHOLE WATER HANDLING	0.10	RECLAIMED
SOUTHWEST BOREHOLE	1.20	RECLAIMED
DRILL PADS (BARRICADE CHAMBER)	0.50	RECLAIMED
TRENCH AND BERM	27.30	RECLAIMED
MINE WATER RETURN LINE	7.00	RECLAIMED
8 & 7 RIGHT CROSS-PANEL ENTRY BACKFILL	2.50	RECLAIMED
TROUT CREEK SANDSTONE TEST HOLES	<u>1.20</u>	RECLAIMED
SUBTOTAL - Reclaimed (Thru 2004)	53.30	
2004 TOTAL :	493.00	
6MN INTAKE SHAFT FACILITY (TR05-48)	13.50	ACTIVE
6MN UTILITY BOREHOLES (MR05-198) 0.92 ac dist. within 6MN area	0.00	ACTIVE
COAL FINES CLEAN-UP (MR06-211)	1.50	RECLAIMED
6MN POND MODIFICATIONS (TR06-57)	0.20	ACTIVE
6MN WATER TRANSFER PIPELINE (MR07-224)	7.10	RECLAIMED
THICKENER UNDERFLOW PIPELINE (TR07-60)	0.60	ACTIVE
6MN MINE WATER STORAGE RSVR. (TR07-61)	12.30	ACTIVE
10RT DEWATERING BOREHOLE 2 (MR08-228)	0.20	ACTIVE
MINE DEWATERING MODIFICATIONS (MR08-230)	4.20	ACTIVE
REFUSE PILE CLAY STAGING AREA (MR08-233)	5.00	ACTIVE
18LT SHAFT INSTALLATION (TR09-66)	5.60	ACTIVE
18LT SHAFT GEOTECH INVEST. (MR09-235) 0.10 ac dist. within 18LT Area	0.00	RECLAIMED
18RT/6MN SHAFT HEATERS & MISC (MR09-236)	0.30	ACTIVE
COAL REFUSE DISPOSAL AREA EXP. (TR09-67)	80.00	ACTIVE/RECL.
6RT THICKENER UNDERFLOW (TR09-69)	5.80	ACTIVE
19RT DEWATERING INSTALLATION (TR10-73)	7.50	ACTIVE
18LT MINE WATER PIPELINE (TR'S 09-70/10-74)	7.50	RECLAIMED
DITCH G-6 EXTENSION (TR10-76)	0.30	RECLAIMED
15LT VENT SHAFT (TR11-77)	2.30	ACTIVE
16LT UTILITY BOREHOLE (TR11-78, MR12-260)	13.60	ACTIVE
WMD EMERGENCY BOREHOLE (MR11-253)	1.70	ACTIVE

OVERLAND CONVEYOR GEOTECH (MR11-254)	0.10	ACTIVE
WMD EXPLOR. PROGRAMS (MR'S 11-256/12-261)	2.00	ACTIVE
6MN RESERVOIR RELIEF DRAIN (MR11-259)	0.20	ACTIVE
WCR DRILLING PROGRAM (MR's 12-267/269/271, 14-275/277/278/280/281)	47.70	RECLAIMED
7RT/2MN/SWMD TUF BOREHOLES (TR16-86, MR's13-270/273) 3.3 ac. Permitted/not disturbed	0.60	ACTIVE/PEND.
5MN UTILITY BOREHOLE& WATER PIPELINE (MR14-283/285, 15-288)	8.60	ACTIVE
10-EAST EMERGENCY AIR BOREHOLE (MR15-289) 1.5 ac. Permitted/not disturbed	0.00	PENDING
13-LEFT OUTBY UTILITY BOREHOLE (MR15-291/292)	3.50	ACTIVE
6MN PASSIVE TREATMENT SYTEM GEOTECH (MR16-295)	0.10	RECLAIMED
9E UTILITY BOREHOLE (MR16-296)	3.70	ACTIVE
FISH CREEK BOREHOLE COAL FINES CLEANUP (TR18-90, MR16-297)	0.30	RECLAIMED
SWMD\WMD TUF BOREHOLES AND PIPELINES (TR17-88)	23.80	ACTIVE
9-EAST ADDITIONAL UTILITY BOREHOLES (MR17-304)	0.40	ACTIVE
STOKER COAL SCREENING TEST (MR17-305)	0.00	ACTIVE
SANDSTONE SUB THICKENER UNDERFLOW BOREHOLE AND PIPELINE (MR17-305)	0.00	ACTIVE
WASH PLANT ADDITIONAL THICKENER TANK DESIGN MODIFICAITION (TR19-92)	0.00	ACTIVE
ADDITONAL BOOSTER PUMP AND ENCLOSURE (MR19-312)	0.00	ACTIVE
THICKNER PIPELINE ROUTE MODIFICATION (MR19-313)	0.00	ACTIVE
PASSIVE TREATMENT INLET PIPELINE ROUTE MODIFICATION (MR19-314)	1.40	ACTIVE
PASSIVE TREATMENT INLET PIPELINE ROUTE MODIFICATION 2 (MR19-315)	1.40	ACTIVE
6MN PASSIVE WATER TREATMENT SYSTEM (TR16-84)	19.00	ACTIVE
WETLAND DISTURBANCE BOUNDARIES MODIFICATION (MR20-316)	7.30	ACTIVE
COAL REFUSE DISPOSAL AREA MODIFICATION (TR20-94)	0.00	ACTIVE
OVERLAND BELT SUSPENSION BRIDGE (MR20-317)	0.00	ACTIVE
16LT TO 18LT DEWATER PIPELINE, POWERLINE, AND MCC CONEX (TR20-95)	4.50	ACTIVE
18LT DEWATERING BOREHOLE, ROAD, & PIPELINE (MR21-319)	3.00	ACTIVE
7EAST CROSS ENTRIES BOREHOLE	9.00	ACTIVE
5MN FAN ROAD RE-ROUTE (MR22-322) Permitted/ not disturbed	0.45	ACTIVE/PEND.
2005-2022 Additions	306.25	

CUMULATIVE TOTAL 2020:

799.25

Note: The acreage figures presented are based on information contained in previous Annual Reclamation Reports, as-built construction information, and Minor and Technical Revision approval information.

Osborn Industries LLC

#1797

Date: 6/13/22	of _____
Job Name: 70 mile	
Address:	

Equipment working properly	<input checked="" type="checkbox"/>	Location Contact info: Miranda
Hoses serviceable	<input checked="" type="checkbox"/>	
Pumps serviceable	<input checked="" type="checkbox"/>	
Filters serviceable	<input checked="" type="checkbox"/>	
Tanks secured properly	<input checked="" type="checkbox"/>	
Proper PPE available	<input checked="" type="checkbox"/>	
Notes:		

Temperature	Wind	Direction	Conditions	Spraying Time
70-80	>10	S	Clear	700-345

Targeted Species: White top, Canada, musk thistle, hoards tounge

Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre		Total Product Applied	
Telar	432-1561	1/2		4.25	
Escort	432-1549	1/2		4.25	
Soy stick		32/100g		110	
Deframer		1oz / 40 gal		4	

Method of Application	ATV	<input checked="" type="checkbox"/> UTV	<input checked="" type="checkbox"/> Truck	Tractor	Backpack	Horse	Other
Gallons per acre:	40/16	Dilution used: Water		Number of Applicators: 4			
Truck Number:	9	ATV/UTV number: 6/16		Billable Hours: 645 - 400			

40g hand load - 11	50g truck load	40g Boom load
T-1/2 3	T-.625 1.25	
E-1/2 3	E-.625 1.25	T-1.25
S-13 78	S-16 32	e-1.25
D-1/2 6	D-1/24 7.5	S-13
		D-2.5

Qualified Supervisor: [Signature] Date: 6-16-22

Applicator: [Signature] Date: 6/13/22

[Signature] 6/13/22

Commercial applicators are licensed by the Colorado Department of Agriculture

[Signature] 6/13/22 [Signature]

Osborn Industries LLC

Date: 6/14/22 of _____
 Job Name: 70 mile
 Address: _____

Equipment working properly	<input checked="" type="checkbox"/>	Location Contact info: Notes:
Hoses serviceable	<input checked="" type="checkbox"/>	
Pumps serviceable	<input checked="" type="checkbox"/>	
Filters serviceable	<input checked="" type="checkbox"/>	
Tanks secured properly	<input checked="" type="checkbox"/>	
Proper PPE available	<input checked="" type="checkbox"/>	

Temperature	Wind	Direction	Conditions	Spraying Time
	710	W	Clear/cloudy	730-400

Targeted Species: White top mullen houndstongue
Musk Canada Bull thistle

Type of Site Treated:	<u>Rangeland</u>	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre		Total Product Applied	
Telar	432 1561	1/2		4.625	
Escort	432-1549	1/2		4.625	
Soy stick		32/100		94	
Deframer		1/2 / 10 gal		3	

Method of Application	ATV	<input checked="" type="checkbox"/> UTV	<input checked="" type="checkbox"/> Truck	Tractor	Backpack	Horse	Other
Gallons per acre:	40/16	Dilution used: <u>Water</u>		Number of Applicators: 4			
Truck Number:	9	ATV/UTV number: <u>BG/6</u>		Billable Hours: <u>700-415</u>			

<u>40g hand loads - 11</u>	<u>50g truck loads</u>	<u>40g Boom loads - 11</u>
T - 1/2 - 1.5	T - .625 - 1	T - 1.25 - 2.5
E - 1/2 - 1.5	E - .625	E - 1.25 - 2.5
S - 13 - 39	S - 16	S - 13 - 39
D - 1/2 - 1.5	D - 1/2 1/2	D - 1/2 1/2 - 1

Qualified Supervisor: [Signature] Date: 6-16-22
 Applicator: [Signature] Date: 6/14/22

Commercial applicators are licensed by the Colorado Department of Agriculture
alvin [Signature] [Signature]
6/14/22 6/14/22

Osborn Industries LLC

Date: 6/16/22 of _____
 Job Name: 26 mile
 Address: _____

Equipment working properly	<input checked="" type="checkbox"/>	Location Contact Info: Notes: <i>Seneca</i>
Hoses serviceable	<input checked="" type="checkbox"/>	
Pumps serviceable	<input checked="" type="checkbox"/>	
Filters serviceable	<input checked="" type="checkbox"/>	
Tanks secured properly	<input checked="" type="checkbox"/>	
Proper PPE available	<input checked="" type="checkbox"/>	

Temperature	Wind	Direction	Conditions	Spraying Time
57	>10	W	Sunny	8:30-300

Targeted Species: *White top Canada thistle, Hawks tongue head flax*

Type of Site Treated:	<input checked="" type="radio"/> Rangeland	<input type="radio"/> Industrial	<input type="radio"/> Ag Crop	<input type="radio"/> ROW	<input type="radio"/> Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
<i>Telac</i>	<i>432-1561</i>	<i>1/2</i>	<i>3.58</i>		
<i>Escort</i>	<i>432-1549</i>	<i>1/2</i>	<i>3.58</i>		
<i>Soy Stik</i>		<i>32/100</i>	<i>60.58</i>		
<i>Deframer</i>		<i>1/2</i>	<i>2.33</i>		

Method of Application	<input type="checkbox"/> ATV	<input checked="" type="checkbox"/> UTV	<input type="checkbox"/> Truck	<input type="checkbox"/> Tractor	<input type="checkbox"/> Backpack	<input type="checkbox"/> Horse	<input type="checkbox"/> Other
Gallons per acre:	<i>40/16</i>	Dilution used:	<i>Water</i>	Number of Applicators: <i>4</i>			
Truck Number:	<i>9</i>	ATV/UTV number:	<i>8/6</i>	Billable Hours: <i>8:15-830</i>			

<i>40g hand load</i>	<i>111</i>	<i>40g Boom load 2/3 1 = 1.66</i>
<i>T - 1/2 - 1.5</i>		<i>T - 1.25 - 2.08</i>
<i>E - 1/2 - 1.5</i>		<i>E - 1.25 - 2.08</i>
<i>S - 13 39</i>		<i>S - 13 - 21.58</i>
<i>D - 1/2 - 1.5</i>		<i>D - 1/2 - .83</i>

Qualified Supervisor: *[Signature]* Date: *6-16-22*
 Applicator: *[Signature]* Date: *6/16/22*

Sine Andrews
 Commercial applicators are licensed by the Colorado Department of Agriculture
Blomquist
[Signature] *6/16/22*
[Signature] *6/16/22*

Osborn Industries LLC

#1821

Date: 7/18/22 of _____
 Job Name: 20 Mile
 Address: _____

-Equipment working properly	<input checked="" type="checkbox"/>	Location Contact info: <i>Miranda</i>
Hoses serviceable	<input checked="" type="checkbox"/>	
Pumps serviceable	<input checked="" type="checkbox"/>	
Filters serviceable	<input checked="" type="checkbox"/>	
Tanks secured properly	<input checked="" type="checkbox"/>	
Proper PPE available	<input checked="" type="checkbox"/>	
Notes:		

Temperature	Wind	Direction	Conditions	Spraying Time
54	2/10	west	cloudy	8:30-4:30
Targeted Species	<i>Musk Bull Canada thistle</i>		<i>Mullein</i>	
	<i>hands bunge</i>			

Type of Site Treated:	<u>Rangeland</u>	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre		Total Product Applied	
<i>Tordon</i>	<i>62719-6</i>	<i>32 800/100</i>		<i>292</i>	
<i>Brewer</i>	<i>-</i>	<i>32/100</i>		<i>52</i>	

Method of Application: ATV UTV Truck Tractor Backpack Horse Other

Gallons per acre: *40* Dilution used: *water* Number of Applicators: *4*

Truck Number: *9* ATV/UTV number: *Big D/6* Billable Hours: *7:00*

<i>Boom-111</i>	<i>hand-1</i>	
<i>Tordon-80 oz</i>	<i>32</i>	<i>7-1030 k</i>
<i>Brewer</i>	<i>13</i>	<i>7-430 A</i>
<i>Brewer-13 oz</i>		<i>7-500 S/S</i>

136.63

Qualified Supervisor: *[Signature]* Date: *7-23-22*

Applicator: *Alvin Blument* Date: *7/18/22*

Sue Archer

Commercial applicators are licensed by the Colorado Department of Agriculture

Hand 7/18/22

Osborn Industries LLC

Date: 7/18/22 of _____
 Job Name: 20 Mile
 Address: _____

-Equipment working properly	<input checked="" type="checkbox"/>	Location Contact Info: <u>Miranda</u>
Hoses serviceable	<input checked="" type="checkbox"/>	
Pumps serviceable	<input checked="" type="checkbox"/>	
Filters serviceable	<input checked="" type="checkbox"/>	
Tanks secured properly	<input checked="" type="checkbox"/>	
Proper PPE available	<input checked="" type="checkbox"/>	
Notes:		

Temperature	Wind	Direction	Conditions	Spraying Time
<u>54</u>	<u>7/0</u>	<u>west</u>	<u>cloudy</u>	<u>8:30-430</u>

Targeted Species: Yellow/Dalmation toad

Type of Site Treated: Rangeland Industrial Ag Crop ROW Turf

Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied
<u>Telar</u>	<u>4132-1561</u>	<u>1oz</u>	<u>10</u>
<u>Milestone</u>	<u>62719-519</u>	<u>7oz</u>	<u>70</u>
<u>de foamer</u>	<u>-</u>	<u>.5 oz</u>	<u>2</u>
Access	-	32/100	52
<u>Access</u>		<u>32/100</u>	<u>52</u>

Method of Application: ATV UTV Truck Tractor Backpack Horse Other

Gallons per acre: 40 Dilution used: water Number of Applicators: 4
 Truck Number: 9 ATV/UTV number: Debbie/6 Billable Hours: 2.00

<u>Hand load -</u>	<u>Boom - 1111</u>
<u>Telar - 1oz</u>	<u>Telar - 2.5 oz</u>
<u>Milestone - 7oz</u>	<u>Milestone - 17.5 oz</u>
<u>de foamer - .5 oz</u>	<u>de foamer - .5 oz</u>
Access	Access
<u>Access - 13oz</u>	<u>Access - 13oz</u>

Qualified Supervisor: [Signature] Date: 7-23-22
 Applicator: Alvin Blythe Date: 7/18/22
[Signature] 7/18/22

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[Signature]

Osborn Industries LLC

Date: 7/19/22 of _____
 Job Name: 20 Mile
 Address: _____

-Equipment working properly	/	Location Contact info:
Hoses serviceable	/	
Pumps serviceable	/	
Filters serviceable	/	
Tanks secured properly	/	
Proper PPE available	/	
Notes:		

Temperature	Wind	Direction	Conditions	Spraying Time
	710	W	Clear	830-430

Targeted Species: hounds tongue musk Bull canada thistle
mullen

Type of Site Treated: Rangeland Industrial Ag Crop ROW Turf

Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied
Tordon	62719-6	37	544
Brewer 90		32/100g	104

Method of Application: ATV UTV Truck Tractor Backpack Horse Other

Gallons per acre: 40/16 Dilution used: Water Number of Applicators: 2
 Truck Number: 9 ATV/UTV number: 6/Debbie Billable Hours: 7 - 800

<u>40 Boom load-111</u>	<u>40g Hand load-11</u>
<u>480</u>	<u>64</u>
<u>78</u>	<u>26</u>

Qualified Supervisor: [Signature] Date: 7-23-22
 Applicator: [Signature] Date: 7/19/22
[Signature] 7/19/22

Osborn Industries LLC

Date: 7/20/22 of _____
 Job Name: 20 mile
 Address: _____

-Equipment Working properly	/	Location Contact info: Notes:
Hoses serviceable	/	
Pumps serviceable	/	
Filters serviceable	/	
Tanks secured properly	/	
Proper PPE available	/	

Temperature	Wind	Direction	Conditions	Spraying Time
90	710	S-W	clear	800-445
Targeted Species: Canada Musz Bull Hounds tongue Mullen				

Type of Site Treated:	<u>Rangeland</u>	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
Jordan	62719-6	32	800		
Brewer 90		32/100	130		

Method of Application	ATV	<u>UTV</u>	Truck	Tractor	Backpack	Horse	Other
Gallons per acre:	40/16	Dilution used:	water	Number of Applicators:	3		
Truck Number:	9	ATV/UTV number:	6/Debbie	Billable Hours	② 700-500 ^{5/5}		
40g Boom-THH		40g hand load			① 800-500 ^A		
T-40		T-32					
B-13		B-13					
198.36							
455.60							

Qualified Supervisor: _____ Date: 7-23-22
 Applicator: Cuevas Date: 7/20/22
Stacy 7/20/22
alex Blunz 7/20/22

Osborn Industries LLC

Date: 7/20/22 of _____
 Job Name: 20 mile
 Address: _____

Equipment working properly	<input checked="" type="checkbox"/>	Location Contact info: Notes:
Hoses serviceable	<input checked="" type="checkbox"/>	
Pumps serviceable	<input checked="" type="checkbox"/>	
Filters serviceable	<input checked="" type="checkbox"/>	
Tanks secured properly	<input checked="" type="checkbox"/>	
Proper PPE available	<input checked="" type="checkbox"/>	

Temperature	Wind	Direction	Conditions	Spraying Time
90	510	S-W	Clear	145-445

Targeted Species: mullen hounds tongue
Canada Bull Musk scotch thistle

Type of Site Treated:	Industrial	Ag Crop	ROW	Turf
<u>Rangeland</u>				
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied	
<u>felar</u>	<u>432 1561</u>	<u>1</u>	<u>85</u>	
<u>Milestone</u>	<u>627 19-819</u>	<u>7</u>	<u>35</u>	
<u>Brewer 90</u>	<u>-</u>	<u>32/100</u>	<u>26</u>	
<u>Defoamer</u>	<u>-</u>	<u>1/2</u>	<u>1</u>	

Method of Application: ATV UTV Truck Tractor Backpack Horse Other

Gallons per acre: 16 Dilution used: water Number of Applicators: 1

Truck Number: 9 ATV/UTV number: Debbie Billable Hours: _____

40 gal Boom loads - 11

Qualified Supervisor: [Signature] Date: 7-23-22
 Applicator: [Signature] Date: 7/20/22

Osborn Industries LLC

Date: 7/21/2022 of _____
 Job Name: 20 mile
 Address: _____

Equipment working properly	<input checked="" type="checkbox"/>	Location Contact info: Notes:
Hoses serviceable	<input checked="" type="checkbox"/>	
Pumps serviceable	<input checked="" type="checkbox"/>	
Filters serviceable	<input checked="" type="checkbox"/>	
Tanks secured properly	<input checked="" type="checkbox"/>	
Proper PPE available	<input checked="" type="checkbox"/>	

Temperature	Wind	Direction	Conditions	Spraying Time
53°	710 mph	NW → SE	Partly cloudy	7:30-445

Targeted Species: Musk Beel Canada Whistle muller
Tongue

Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
Tordon	62719-6	32 oz	80		
Brewer	NA	32/100	13		

Method of Application: ATV UTV Truck Tractor Backpack Horse Other

Gallons per acre: 40 Dilution used: Water Number of Applicators: 3
 Truck Number: 9 ATV/UTV number: Lot Debbie Billable Hours 7:00-500

Hand loads - 1
 T- ~~80~~ 80
 B- 13oz

Qualified Supervisor: [Signature] Date 7-23-22
 Applicator: [Signature] Date 7/21/22
[Signature]

Osborn Industries LLC

Date: 7/21/22 of _____
 Job Name: 20 Mile
 Address: _____

Equipment working properly	<input checked="" type="checkbox"/>	Location Contact info:
Hoses serviceable	<input checked="" type="checkbox"/>	
Pumps serviceable	<input checked="" type="checkbox"/>	
Filters serviceable	<input checked="" type="checkbox"/>	
Tanks secured properly	<input checked="" type="checkbox"/>	
Proper PPE available	<input checked="" type="checkbox"/>	
Notes:		4 Boom Faidel creek / Booms close 2 Boom far site Boom far site

Temperature	Wind	Direction	Conditions	Spraying Time
70-80	710	W	Clear	8:30 - 4:45 3:00

Targeted Species: Musk Bull Canada thistle
 houndstongue Mullen

Type of Site Treated: Rangeland Industrial Ag Crop ROW Turf

Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied
Telar	432 1561	1	20
Milestone	67719-819	7	140
Brewer 90	-	32/100	104
Deframer	-	1/2	4

Method of Application: ATV UTV Truck Tractor Backpack Horse Other

Gallons per acre: 16 Dilution used: Water Number of Applicators: 3
 Truck Number: 9 ATV/UTV number: 6/Debbie Billable Hours: _____

40g Boom loads - III III
 T-25
 A-17.5
 B-13
 D-1/2

Qualified Supervisor: [Signature] Date: 7-23-22
 Applicator: [Signature] Date: 7-21-22
[Signature] 7/21/22

Osborn Industries LLC

Date: 7/21/22 of _____
 Job Name: 70 mile
 Address: _____

Equipment working properly	/	Location Contact info: Notes:
Hoses serviceable	/	
Pumps serviceable	/	
Filters serviceable	/	
Tanks secured properly	/	
Proper PPE available	/	

Temperature	Wind	Direction	Conditions	Spraying Time
<u>90</u>	<u>70</u>	<u>W</u>	<u>clear</u>	<u>300-445</u>

Targeted Species mullen hounds tongue
canada-musk Bolt thistle

Type of Site Treated: Rangeland Industrial Ag Crop ROW Turf

Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied
<u>escort</u>		<u>1</u>	<u>2</u>
<u>Brewer 90</u>		<u>34/1000</u>	<u>76</u>
<u>Deframer</u>		<u>1/2</u>	<u>1</u>

Method of Application: ATV UTV Truck Tractor Backpack Horse Other

Gallons per acre: 40 Dilution used: Water Number of Applicators: 3
 Truck Number: 9 ATV/UTV number: 6 Billable Hours: _____

Qualified Supervisor: [Signature] Date: 7-23-22
 Applicator: [Signature] Date: 7/21/22

Osborn Industries LLC

Date: 10/6/22 of _____
 Job Name: 20 mile
 Address: _____

Equipment working properly	✓	Location Contact info: Miranda
Hoses serviceable	✓	
Pumps serviceable	✓	
Filters serviceable	✓	
Tanks secured properly	✓	
Proper PPE available	✓	
Notes:		

Temperature	Wind	Direction	Conditions	Spraying Time
36	>10	East	Clear	8:00-2:30

Targeted Species: Bareground Substations

Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
Method		18	54		
Esplanade		5	15		
MSO		64/100	192		
Dye (Blue)		10	30		

Method of Application: ATV UTV Truck Tractor Backpack Horse Other

Gallons per acre: 100 Dilution used: Water Number of Applicators: 2
 Truck Number: 5 ATV/UTV number: N/A Billable Hours 7:30 - 3:00 = 2.5 x 2 = 15

100g Hand load III
 M-18
 E-5
 MSO-64
 Dye-10
~~MSO-64~~
~~MSO-64~~
~~MSO-64~~

* 3.5 hours
 * and 1/2 acre on Sage Crk

Qualified Supervisor: [Signature] Date: 10-8-22
 Applicator: [Signature] Date: 10/6/22

Osborn Industries LLC

#1862

Date: 10/7/22 of _____
 Job Name: 20 mile
 Address: _____

Equipment working properly	<input checked="" type="checkbox"/>	Location Contact info: Miranda
Hoses serviceable	<input checked="" type="checkbox"/>	
Pumps serviceable	<input checked="" type="checkbox"/>	
Filters serviceable	<input checked="" type="checkbox"/>	
Tanks secured properly	<input checked="" type="checkbox"/>	
Proper PPE available	<input checked="" type="checkbox"/>	
Notes:		

Temperature	Wind	Direction	Conditions	Spraying Time
65	>10	West	Clear	8:00-445

Targeted Species: Baseground

Type of Site Treated: Rangeland Industrial Ag Crop ROW Turf

Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied
Method		180z	81
Esplanade		70z	22.5
MSO		640z	384
Red		80z/100	48

Method of Application: ATV UTV Truck Tractor Backpack Horse Other

Gallons per acre: 100/200 Dilution used: water Number of Applicators: 2
 Truck Number: 5 ATV/UTV number: N/A Billable Hours 7:30-500

100g Hand load	1/2	300 P	1
M- 180z		M	27
E- 50z		E	75
MSO- 640z		MSO	92
Red- 80z		R	24

Qualified Supervisor: [Signature] Date: 10-8-22
 Applicator: [Signature] Date: 10/7/22