



29515 Routt County Road 27  
Oak Creek, CO 80467  
970.879.3800

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**Twentymile Coal, LLC**

February 14, 2024

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), 2023 Annual Reclamation Report

Dear Ms. Ridley:

Submitted via Laserfiche is the 2023 Annual Reclamation Report (ARR) for the Foidel Creek Mine. During 2023, only one project was 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:

- MR23-323 – 2023 Exploration Coreholes (Submitted 08/08/23 and approved 08/25/23, 8.1 acres new disturbance)
- MR23-324 – 7E Panel Extension Cultural Study (Submitted 12/18/23 and approved 12/18/23, No new disturbance)

Changes in permitted, disturbed, and affected area acreages during 2023 included a total increase of 8.1 acres to the disturbed acreage. The actual disturbed acreage is now 807.35. No additional acreage was added to the affected area or the permit boundary during 2023, 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 2023 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 “2023 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 2023 resulted in an overall increase in bond (\$1,836,862.45), increases in the calculated reclamation liability and required surety coverage, summarized as follows:

- MR23-323 – 2023 Corehole Exploration (+\$116,550)
- RN8 – Permit Renewal (+\$1,720,312.45)

Attached is the standard form (CDRMS) Annual Reclamation Report for 2023 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: CDRMS ARR Form, Disturbed Acreage Spreadsheet, 2023 Weed Spray Log

# 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 <sup>1</sup>				=	

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

Acreage in Long-term Facilities <sup>3</sup>	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				=	

<sup>1</sup>Includes pits, topsoil stripped areas in advance of pits, and spoil not backfilled and graded

<sup>2</sup>Surface 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

<sup>3</sup>Includes 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
<b>SUBTOTAL - Active (Thru 2004)</b>	<b>439.70</b>	
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
<b>SUBTOTAL - Reclaimed (Thru 2004)</b>	<b>53.30</b>	
<b>2004 TOTAL :</b>	<b>493.00</b>	
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



<b>OVERLAND CONVEYOR GEOTECH (MR11-254)</b>	0.10	ACTIVE
<b>WMD EXPLOR. PROGRAMS (MR'S 11-256/12-261)</b>	2.00	ACTIVE
<b>6MN RESERVOIR RELIEF DRAIN (MR11-259)</b>	0.20	ACTIVE
<b>WCR DRILLING PROGRAM (MR's 12-267/269/271, 14-275/277/278/280/281)</b>	47.70	RECLAIMED
<b>7RT/2MN/SWMD TUF BOREHOLES (TR16-86, MR's13-270/273) 3.3 ac. Permitted/not disturbed</b>	0.60	ACTIVE/PEND.
<b>5MN UTILITY BOREHOLE&amp; WATER PIPELINE (MR14-283/285, 15-288)</b>	8.60	ACTIVE
<b>10-EAST EMERGENCY AIR BOREHOLE (MR15-289) 1.5 ac. Permitted/not disturbed</b>	0.00	PENDING
<b>13-LEFT OUTBY UTILITY BOREHOLE (MR15-291/292)</b>	3.50	ACTIVE
<b>6MN PASSIVE TREATMENT SYTEM GEOTECH (MR16-295)</b>	0.10	RECLAIMED
<b>9E UTILITY BOREHOLE (MR16-296)</b>	3.70	ACTIVE
<b>FISH CREEK BOREHOLE COAL FINES CLEANUP (TR18-90, MR16-297)</b>	0.30	RECLAIMED
<b>SWMD\WMD TUF BOREHOLES AND PIPELINES (TR17-88)</b>	23.80	ACTIVE
<b>9-EAST ADDITIONAL UTILITY BOREHOLES (MR17-304)</b>	0.40	ACTIVE
<b>STOKER COAL SCREENING TEST (MR17-305)</b>	0.00	ACTIVE
<b>SANDSTONE SUB THICKENER UNDERFLOW BOREHOLE AND PIPELINE (MR17-305)</b>	0.00	ACTIVE
<b>WASH PLANT ADDITIONAL THICKENER TANK DESIGN MODIFICAITION (TR19-92)</b>	0.00	ACTIVE
<b>ADDITONAL BOOSTER PUMP AND ENCLOSURE (MR19-312)</b>	0.00	ACTIVE
<b>THICKNER PIPELINE ROUTE MODIFICATION (MR19-313)</b>	0.00	ACTIVE
<b>PASSIVE TREATMENT INLET PIPELINE ROUTE MODIFICATION (MR19-314)</b>	1.40	ACTIVE
<b>PASSIVE TREATMENT INLET PIPELINE ROUTE MODIFICATION 2 (MR19-315)</b>	1.40	ACTIVE
<b>6MN PASSIVE WATER TREATMENT SYSTEM (TR16-84)</b>	19.00	ACTIVE
<b>WETLAND DISTURBANCE BOUNDARIES MODIFICATION (MR20-316)</b>	7.30	ACTIVE
<b>COAL REFUSE DISPOSAL AREA MODIFICATION (TR20-94)</b>	0.00	ACTIVE
<b>OVERLAND BELT SUSPENSION BRIDGE (MR20-317)</b>	0.00	ACTIVE
<b>16LT TO 18LT DEWATER PIPELINE, POWERLINE, AND MCC CONEX (TR20-95)</b>	4.50	ACTIVE
<b>18LT DEWATERING BOREHOLE, ROAD, &amp; PIPELINE (MR21-319)</b>	3.00	ACTIVE
<b>7EAST CROSS ENTRIES BOREHOLE</b>	9.00	ACTIVE
<b>5MN FAN ROAD RE-ROUTE (MR22-322)</b>	0.45	ACTIVE
<b>2023 COREHOLE DISTURBANCE (MR23-323)</b>	8.10	RECLAIMED

<b>2005-2022 Additions</b>	<b>314.35</b>
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<b>CUMULATIVE TOTAL 2020:</b>	<b>807.35</b>
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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

- 326-3906

#1933

Date: 5-31-23	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
60	40	west	clear	715-2:30

Targeted Species	whitetop, hounsals tounge, mullen, Canada, bull, musk thistle, yellow toadflax,
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Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
Tordon	62719-6	16 oz	96		
Telar	432-1561	.5 oz	3		
escort	432-1549	.5 oz	3		
premier 90		32/100	76		
defoamer		1 oz	6		

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: 5/		Billable Hours: 700-1230 - m/c				

40 gal hand load-1/	40 gal boom load	160 gal hand load-1
Tordon 16 oz - 32	Tordon 40 oz	Tordon 64
Telar .5 - 1	Telar 1.25	Telar 2
escort .5 - 1	escort 1.25	escort 2
premier 90 13 - 26	premier 90 13	premier 90 50
defoamer 1 oz - 2	defoamer 1	defoamer 4

Qualified Supervisor:

Applicator:

Date

Date



# Osborn Industries LLC

Date: 6-1-23	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
60	40	west	cloudy	730 115

Targeted Species: whitetop, hounds tongue, mullen, yellow toadflax  
Dalmation toadflax, musk bull scotch canada thistle.

Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
Tordon	62719-16	16 oz	240		
Telar	432-1561	.5 oz	7.5		
Escort	432-1549	.5 oz	7.5		
Premier 90	NA	32/100	78		
Defoamer	NA	1 oz	6		

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: 5/3		Billable Hours 700-145				

40 gal hand load-	40 gal boom load- HTI
Tordon- 16 oz	Tordon- 40 oz
Telar- .5 oz	Telar- 1.25 oz
Escort- .5 oz	Escort- 1.25 oz
Premier 90- 13 oz	Premier 90- 13 oz
Defoamer- 1 oz	Defoamer- 1 oz

Qualified Supervisor:	[Signature] 40203	Date	6-1-23
Applicator:	Alex Blyz	Date	6-1-23
	CA 4/123		6-1-23



# Osborn Industries LLC

Date: 6-13-23 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 <u>60</u>	Wind <u>40</u>	Direction <u>East</u>	Conditions <u>Cloudy</u>	Spraying Time <u>745-515</u>
Targeted Species <u>whitetop, hounds tongue, mullen, Canada, Musk, Bullfrogs, Dalmation/yellow toadflax</u>				

Type of Site Treated:	<u>Rangeland</u>	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre		Total Product Applied	
<u>Telar</u>	<u>4321561</u>	<u>1.02</u>		<u>25</u>	
<u>Milestone</u>	<u>62719-<del>519</del> 519</u>	<u>7.02</u>		<u>175</u>	
<u>deFoamer</u>	<u>NA</u>	<u>.5</u>		<u>5</u>	
<u>Brewer</u>		<u>32/100</u>		<u>130</u>	

Method of Application	ATV	<u>UTV</u>	Truck	Tractor	Backpack	Horse	Other
Gallons per acre:	<u>40/16</u>	Dilution used:	<u>water</u>	Number of Applicators: <u>4</u>			
Truck Number:	<u>9</u>	ATV/UTV number:	<u>5/3</u>	Billable Hours <u>645-5:30</u>			

<u>40 gal hand load</u>	<u>40 gal boom load</u>
<u>T - 1.02</u>	<u>T - 2.5</u>
<u>M - 7.02</u>	<u>M - 17.5</u>
<u>D - .5</u>	<u>D - .5</u>
<u>B - 13.02</u>	<u>B - 13.02</u>

Qualified Supervisor: [Signature] 40203 Date 6-13-23

Applicator: [Signature] Date 6-13-23

[Signature]

Commercial applicators are licensed by the Colorado Department of Agriculture



# Osborn Industries LLC

Date: 6/14/23 of \_\_\_\_\_

Job Name: 20mile

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

Temperature	Wind	Direction	Conditions	Spraying Time
<u>55</u>	<u>410</u>	<u>west</u>	<u>Cloudy</u>	<u>725 - 920</u>

Targeted Species white top/Houngstone/mullen/Palmation toad Flaur/yellow Joad  
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		
<u>Telar</u>	<u>432-1561</u>	<u>1oz</u>	<u>2.5</u>		
<u>milestone</u>	<u>62719-519</u>	<u>7oz</u>	<u>17.5</u>		
<u>Brewer</u>	<u>N/A</u>	<u>32/100g</u>	<u>13</u>		
<u>Defomer</u>	<u>N/A</u>	<u>.5</u>	<u>.5</u>		

Method of Application	ATV	<u>UTV</u>	Truck	Tractor	Backpack	Horse	Other
Gallons per acre:	<u>40g/16</u>	Dilution used:	<u>water</u>	Number of Applicators: <u>3</u>			
Truck Number:	<u>9</u>	ATV/UTV number:	<u>5</u>	Billable Hours <u>6:45 - 400</u>			

<u>Telar - 1oz</u>	<u>Hand loads</u>	<u>Boom loads</u>
<u>milestone - 7</u>		
<u>Brewer - 13</u>		<u>Telar - 2.5</u>
<u>Defomer - .5</u>		<u>milestone - 17.5</u>
		<u>Brewer - 13</u>
		<u>Defomer - .5</u>

Qualified Supervisor: [Signature] 40203 Date 6-14-23

Applicator: [Signature] Date 6-14-23

M. Bateman



# Osborn Industries LLC

Date: 6.14.23 of \_\_\_\_\_

Job Name: 20 mile

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Equipment working properly	✓	Location Contact info:							
Hoses serviceable	✓								
Pumps serviceable	✓	Notes:							
Filters serviceable	✓								
Tanks secured properly	✓								
Proper PPE available	✓								
Temperature	70	Wind	<10	Direction	W	Conditions	P Cloudy	Spraying Time	920 330
Targeted Species		White top mullein hounds tongue Musk Canada Bullthistle Animation, yellow toothbrush							
Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf				
Chemical Name	EPA Reg #	Applied Amount / Acre			Total Product Applied				
Escort	432 1549	1/2 oz			1/2				
Telar	432 1561	1/2 oz			1/2				
Milestone	62719-519	7 oz			7 oz				
Brewer		32/100g			13				
Deframer		.5			.5				
Method of Application	ATV	UTV	Truck	Tractor	Backpack	Horse	Other		
Gallons per acre:	40	Dilution used:		Water		Number of Applicators: 2			
Truck Number:	9	ATV/UTV number:		3		Billable Hours: 05			

40gal hand spray

e - 1/2 1

T - 1/2

M - 7

B - 13

D - .5

ESCORT takes forever to mix so please make sure there is NO grains

Qualified Supervisor:

Applicator:

40203 Date 6.14.23

Date 6.14.23




# Osborn Industries LLC

Date: 6-14-23	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:					
Temperature	Wind	Direction	Conditions	Spraying Time			
70	<10	W	PCLOUDY	930 330			
Targeted Species							
white top, mus & Bull canada thistle yellow toad flax, hounsls tongue, Mellein							
Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf		
Chemical Name	EPA Reg #	Applied Amount / Acre		Total Product Applied			
Tordon	62719-6	16		160			
Escort	432 1549	1/2		5			
Telar	432 1561	1/2		5			
Brewer	NA	32/100 gal		52			
Defoamer	NA	.5		2			
Method of Application	ATV	UTV	Truck	Tractor	Backpack	Horse	Other
Gallons per acre:	16/40	Dilution used:	Water	Number of Applicators: 3			
Truck Number:	9	ATV/UTV number:	3/5	Billable Hours: 05			

40 gal hand load	40 gal Boom load-111
T- 16	T- 40
E- 1/2	E- 1.25
Telar- 1/2	Telar- 1.25
B- 13	B- 13
D- .5	D- .5

Qualified Supervisor:	 40203	Date	6-14-23
Applicator:	M Blatuch	Date	6-14-23



# Osborn Industries LLC

Date: 6-16-23 7 of 3

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
70	<10	W	Clear	715 - 445

Targeted Species: mullein, hounds tongue, yellow toad flax  
canada musk bull thistle

Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre		Total Product Applied	
Tordon	62719-6	16		180	
escort	432-	1/2		711.625	
Telar	432-1561	1/2		711.625	
Brewer	NA	32 1100 gal		100.20	
Defoamer	NA	1/2		2	

Method of Application	ATV	UTV	Truck	Tractor	Backpack	Horse	Other
Gallons per acre:	16	Dilution used:	Water	Number of Applicators:	4		
Truck Number:	9	ATV/UTV number:	5	Billable Hours	645 - 500 S/L		

60 gal boom I	40 gal Boom III	915 - 500 M
T - 60	T - 40	915 - 200 A
e - 1.875	e - 1.25	+ 2 oz
Telar - 1.875	telar - 1.25	+ 2 oz
B - 19.2	B - 13	+ 50 oz
D - .5	D - .5	

Qualified Supervisor: [Signature] 49203 Date 6/16/23

Applicator: Patricia Blatnick Date 6-16-23

CH 6-16-23



# Osborn Industries LLC

Date: 6.16.23 3 of 3

Job Name: 20 mile

Address:

Equipment working properly	✓	Location Contact info:			
Hoses serviceable	✓				
Pumps serviceable	✓				
Filters serviceable	✓				
Tanks secured properly	✓				
Proper PPE available	✓				
Notes:		Ask for Randomness			
Temperature	Wind	Direction	Conditions	Spraying Time	
50	100	W	Cloudy	230-400	
Targeted Species		White top/musk scotch bull canada thistle mullein hounds tongue delamation toadflax			
Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre		Total Product Applied	
Tordon	62719-6	16		46	
escort	432	.5		2	
Telar	432-1561	.5		2	
Defoamer	NA	.5		13	
Brewer		32/100		1	
Method of Application	ATV	UTV	Truck	Tractor	Backpack
Gallons per acre: 6	Dilution used: Water		Number of Applicators: 3		
Truck Number: 9	ATV/UTV number: 3/5		Billable Hours: 0.5		

40 gal Boom bad - 1  
 Tordon - 40 oz  
 escort - .75  
 Telar - .75  
 D - .5

one time only 40 boom  
 Tordon - 40 oz 1  
 escort - 1.25  
 Telar - 1.25  
 Brewer - 13  
 Defoamer .5

Qualified Supervisor:

Applicator:

Date 6.16.23

Date 6.16.23

6-16-23



# Osborn Industries LLC

Date: 6/16/23 1 of 3

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
70	C10	W	Clear	7:15-2:15

Targeted Species: whitetop musk canada thistle yellow toadflax  
mullein hounds tongue

Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre		Total Product Applied	
Milestone	62719-51a	7		14	
escort	432-	1/2		1	
telar	432-1561	1/2		1	
Brewer	NA	32 / 100 gal		26	
Defoliant	NA	5		1	

Method of Application	ATV	UTV	Truck	Tractor	Backpack	Horse	Other
Gallons per acre:	40/16	Dilution used:	Water	Number of Applicators: 3			
Truck Number:	9	ATV/UTV number:	3	Billable Hours: 0.5			

40 gal hand-11	40 gal Boom	
M-7	M-7.5	
E-1/2	e-1.25	+1.25
T-1/2	T-1.25	+1.25
B-13	B-13	
D-5	D-5	

Qualified Supervisor: [Signature] 40203 Date: 6-16-23

Applicator: [Signature] M Blatnick Date: 6-16-23



# Osborn Industries LLC

#1960

Date: 7-11-23	of
Job Name: 20 mile	
Address: <del>XXXXXX</del>	

Equipment working properly	✓	Location Contact info:							
Hoses serviceable	✓								
Pumps serviceable	✓								
Filters serviceable	✓								
Tanks secured properly	✓								
Proper PPE available	✓	Notes: 9 east 3.5 Boom 645-1030 done Air Out/Intake - 1 Boom 1030-1 done double green - 1-430 Not done 6.5 loads							
Temperature	70	Wind	<10	Direction	W	Conditions	Clear	Spraying Time	7:30-4:30

Targeted Species: hounds tongue, Musk Canada scotch Bell thistle

Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
Tordon	62719-6	32	88/02		
Brewer		32/100	144	68/62	

Method of Application	ATV	UTV	Truck	Tractor	Backpack	Horse	Other
Gallons per acre: 16	Dilution used: water		Number of Applicators: 2				
Truck Number: 9	ATV/UTV number: 3/5		Billable Hours 6:45-430				

40 gal Boom-111	60 gal Boom 11
T-80 640 11	T-120 240
B-13 11	B-19.5 39

Qualified Supervisor:	Date
Applicator: M Blatnick	Date 7-11-23
	7-11-23



# Osborn Industries LLC

Date: 7-12-23	of
Job Name: 20 mile	
Address:	

Equipment working properly	✓	Location Contact info:					
Hoses serviceable	✓	Notes: double green gates -1					
Pumps serviceable	✓						
Filters serviceable	✓						
Tanks secured properly	✓						
Proper PPE available	✓						
Temperature	Wind	Direction	Conditions	Spraying Time			
	<10	W	Cloudy	700-830			
Targeted Species							
hounds tongue Canada Musk Bull scotch thistle							
Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf		
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied				
Tordonzzk	62719-6	32	112				
Brewer		32/100	13				
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: 3/5		Billable Hours 645-800				
40 gal Boom -1	60 gal boom						
T-80	T-120						
B-13	B-20						
	+ 32 oz						

Qualified Supervisor:

Applicator:

40203

Date

7/12/23

Date

7-12-23

7-12-23

Commercial applicators are licensed by the Colorado Department of Agriculture



# Osborn Industries LLC

Date: 7-12-23	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: Double green gates HTT could use more Pipe line 11-12 1230-245 III ish 20 miles 245-		

Temperature	Wind	Direction	Conditions	Spraying Time
70	C10	W	Clear	800-500

Targeted Species: hards forage Canada musk Boll scotch + this

Type of Site Treated:	Rangeland	Industrial	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
Triumph	81923-18	32	978	<del>880</del>	
Brewer		32/100	157	<del>157</del>	

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: 813	Billable Hours					

40 gal Boom-~~11~~ 60 gal Boom-11  
 Triumph-80 11 T-120  
 Brewer-13 B-~~20~~ 20  
 + 48 triumph  
 + 13 Brewer

Qualified Supervisor: [Signature] 40203 Date: 7-12-23  
 Applicator: alix B Date: 7-12-23  
M Blatnick 7-12-23



# Osborn Industries LLC

Date: 7-13-23 of     

Job Name: 20 mile

Address:     

Equipment working properly	/	Location Contact info: <u>Miranda</u>		
Hoses serviceable	/			
Pumps serviceable	/			
Filters serviceable	/			
Tanks secured properly	/			
Proper PPE available	/			
Notes:				
Temperature	Wind	Direction	Conditions	Spraying Time
<u>70</u>	<u>410</u>	<u>East</u>	<u>partly cloudy</u>	<u>715 - 800</u>
Targeted Species <u>White Top, houndstongue, mullen, Musk Canada thistle</u>				

Type of Site Treated:	Rangeland	<u>Industrial</u>	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
<u>Triumph</u>	<u>81927-18</u>	<u>32oz</u>	<u>324</u>	<u>324</u>	<u>324</u>
<u>Brewer</u>	<u>NA</u>	<u>32/100</u>	<u>39</u>	<u>39</u>	<u>39</u>
<u>deframer</u>		<u>.5</u>	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>

Method of Application	ATV	<u>UTV</u>	Truck	Tractor	Backpack	Horse	Other
Gallons per acre:	<u>40</u>	Dilution used:	<u>water</u>	Number of Applicators: <u>3</u>			
Truck Number:	<u>9</u>	ATV/UTV number:	<u>3/5</u>	Billable Hours <u>645-530</u>			

<u>40 gal Boom</u>	<u>load-11%</u>	<u>60 gal Boom 1</u>
<u>T-80</u>		<u>T-120</u>
<u>B-13</u>		<u>B-19.5</u>
<u>D-.5</u>	<u>+44oz</u>	<u>D-.5</u>

Qualified Supervisor: [Signature] 40203 Date 7-13-23

Applicator: Alex Blet Date 7-13-23

Midnighta Blatnick 7-13-23



# Osborn Industries LLC

Date: 7-13-23 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:		

Temperature	Wind	Direction	Conditions	Spraying Time
<u>50-70</u>	<u>C10</u>	<u>W</u>	<u>Cloudy</u>	<u>800-445</u>

Targeted Species hairs tongue musk canada

Type of Site Treated:	Rangeland	<u>Industrial</u>	Ag Crop	ROW	Turf
Chemical Name	EPA Reg #	Applied Amount / Acre	Total Product Applied		
<u>Tordon</u>	<u>6219-6</u>	<u>32</u>	<u>596</u>		
<u>Brewer</u>	<u>NA</u>	<u>32/100</u>	<u>104</u>		
<u>DeFoamer</u>		<u>5</u>	<u>3</u>		

Method of Application	ATV	<u>UTV</u>	Truck	Tractor	Backpack	Horse	Other
Gallons per acre: <u>410</u>	Dilution used: <u>Water</u>		Number of Applicators: <u>3</u>				
Truck Number: <u>9</u>	ATV/UTV number: <u>513</u>		Billable Hours _____				

40gal Boom-1111		60gal Boom II	
<u>T-80</u>	<u>320</u>	<u>T-120</u>	<u>240</u>
<u>B-13</u>	<u>52</u>	<u>B-19.5</u>	<u>39</u>
<u>D-5</u>	<u>1</u>	<u>D-5</u>	<u>1</u>
	<u>+13</u>		

Qualified Supervisor: [Signature] Date 7-13-23

Applicator: Atis Blue Date 7-13-23

Michayla Blatnicka 7-13-23





OSBORN INDUSTRIES, LLC

# PROFESSIONAL VEGETATION MANAGEMENT

CRAIG, CO

307-760-7060

Date: 9.19.23 Page      of     

Job Name 20 mile

Address: \_\_\_\_\_

Spray Time 645-400

Equipment is in Satisfactory Condition Y / N Job Contact: \_\_\_\_\_

Temperature 70 Wind Speed W Wind Direction 110 Conditions P/cloudy

Target Species Bareground

Type of Site Treated:      **Rangeland**      **Industrial**      **ROW**      **Turf**      **Ag Crop**      **Aquatic**

Full Chemical Name	EPA Registration #	Amount Applied per Acre	Total Product Applied
Method	432-1565	18	180
esplanade	432-1561	7	69.6
MSO		64/100	960
Blue		6	60

Method of Application:      ATV                      UTV                      Truck                      Tractor                      Backpack                      Horse

Gallons per Acre: 150 Dilution Used if other than H<sub>2</sub>O ———— Number of Applicators 2

Product per <u>300</u> #	
gallons of Water <u>111</u>	
m	36
e	14
ms	192
b	12

Notes:

108

-42

576

Billable Hours: <sup>noting</sup> 630-415  
the 36

Product per <u>100</u>	
gallons of Water <u>441</u>	
m	12.72
e	4.6271
msO	64384
B	424

Qualified Supervisor: [Signature] 7186 33163 34510 40202 Date 9.19.23

Applicators: X Han

Date \_\_\_\_\_

## PROFESSIONAL VEGETATION MANAGEMENT

307-760-7060

Address:

Spray Time 130-350

Target Species Musk Bull Canada Thistle

Type of Site Treated: ☒ Rangeland ☒ Industrial ☐ ROW ☐ Turf ☐ Ag Crop ☐ Aquatic

[illegible]

Method of Application: ☐ ATV ☒ UTV ☐ Truck ☐ Tractor ☐ Backpack ☐ Horse

Gallons per Acre: 40 Dilution Used if other than H2O \_\_\_\_\_ Number of Applicators 2

[illegible]

Notes:

Billable Hours:

130 - 400

[illegible]

Qualified Supervisor: [Signature] 7186 33163 34510 40202 Date 9.21.23

Applicators: Hand 2

Date \_\_\_\_\_

PROFESSIONAL VEGETATION MANAGEMENT

CRAIG, CO

307-760-7060

Date: 9.21.23 Page      of     

Job Name 30 mile

Address: \_\_\_\_\_

Spray Time 706 - 1130

Equipment is in Satisfactory Condition Y/ N Job Contact:

Temperature 50-70 Wind Speed <10 Wind Direction (N) Conditions cloudy

Target Species Barnegrand

Type of Site Treated: **Rangeland** **Industrial** **ROW** **Turf** **Ag Crop** **Aquatic**

Full Chemical Name	EPA Registration #	Amount Applied per Acre	Total Product Applied
Method	432 15645	14	12
esplanade	432 1561	7	4.6
mso		64/100	64
Blue		6	4

Method of Application:	ATV	UTV	Truck	Tractor	Backpack	Horse
------------------------	-----	-----	-------	---------	----------	-------

Gallons per Acre: 150 Dilution Used if other than H2O            Number of Applicators 7

Product per <u>300</u> gallons of Water	
m	36
e	14
msc	192
Blue	12

Notes:

Product per	180
gallons of Water	<del>18</del>
m	12
e	4.6
ms	64
Blue	4

Billable Hours:

630-1130

25

Qualified Supervisor: [Signature] 40203 7186 33163 34510 40202 Date 9.21.23

Applicators: J. Hardy Date 9.21.25