

Question 23. SUPPLEMENTAL INFORMATION UPLOAD

- Narrative Annual Report – Provides detail to answers on annual report questions.
- 2020 Tailing Storage Facility Evaluation Letter from AECOM
- 1 Dam Horizontal Drains – no new drains drilled in 2020
- Weed Control Data Tables

Annual Report – 2020
Climax Molybdenum Company - Climax Mine
Highway 91 – Fremont Pass
Climax, Colorado 80429
Permit No. M-1977-493

According to C.R.S. 34-32-116, each year, on the anniversary date of the permit, an operator shall submit the annual fee, an annual report and map showing the extent of current disturbances to affected land, required monitoring information, reclamation accomplished to date and during the preceding year, any new disturbance that is anticipated to occur during the upcoming year, the dates for the beginning of active operations, and the date active operations ceased for the year.

The 2020 Annual Report for Climax Mine (Climax) follows the format of the questionnaire that is posted on the Division of Reclamation, Mining and Safety's (DRMS) Minerals Reclamation Permit Annual Report webpage. Climax's responses to the questionnaire are provided below. Other supporting documentation including reclamation maps, environmental monitoring data, weed control, and tailing storage facility stability information are included in the upload sections of questions 21, 22, and 23.

Climax Responses to DRMS Annual Report Questionnaire

1. Yes. There is an identification sign posted on the east facing wall of the Climax main gate house that is visible from the entrance road.
2. Yes. Although boundaries are not marked in remote areas that are generally inaccessible due to the rugged terrain of the site, property boundaries at potential public access points are marked with Do Not Enter and No Trespassing signs. The Climax affected land boundaries also are clearly delineated on publicly available maps distributed with the AM-06 application; Climax believes that signage at public access points together with the AM-06 maps meet the intent of Rule 3.1.12(2) and (3).
3. No. Climax is not in final reclamation.
4. Excavation, hauling, processing, and tailing deposition activities are currently ongoing at Climax. The Annual report form requires a date in the field, so the anniversary date is displayed here (3/4/21).
5. Yes. Climax operates more than 180 days per year.
6. No. Climax has neither requested, nor been granted, approval for Temporary Cessation or Intermittent Operation during the reporting year.
7. No. Climax has neither requested, nor been granted, approval for Temporary Cessation or Intermittent Operation during the reporting year.

8. There are 4,169.7 acres of currently affected land, including mining and incomplete and/or unreleased reclamation. Climax is permitted for 7,908 acres within the AM-06 affected land boundary.
9. Climax has 1.6 acres of newly affected land for the current (2020) report year.
10. Climax did not reclaim any of its affected land during the current (2020) report year.
11. Climax estimates that up to 60 acres may become affected in the next (2021) report year.
12. Climax does not anticipate any new reclamation occurring in the next (2021) report year. Areas where there is reclamation in progress will remain as indicated in question 13 below. These areas include Lake Irwin, Robinson TSF, 1 Dam, 2 Dam, areas surrounding Robinson Lake, and areas north of 3 Dam.
13. The total acres in various stages of reclamation (not counting the 550.7 acres of bond released reclamation) since permitted mining activities began are as follows:
 - a. Total acres backfilled: NA – all reclamation earth-work consists of regrading.
 - b. Total acres graded: 800.2 acres
 - c. Total acres seeded with approved mix: 550.9 acres
 - In 2020, 0.17 acres of Arkansas Pipeline, 0.03 acres at Eagle Park Transformer and 1.604 acres of Xcel's Robinson Rack were seeded.
 - d. Seed Application Method: Hydroseeding for slopes > 50% (Broadcast for all other areas.)
 - e. Total acres fertilized with approved fertilizer: 435.8 acres
 - In 2020, 0.17 acres of Arkansas Pipeline, 0.03 acres at Eagle Park Transformer and 1.604 acres of Xcel's Robinson Rack were fertilized.
 - f. Fertilizer application method: Incorporation of Composted Biosolids or Hydroseeder. The annual report form only allows for one entry, so "tractor spreader" is used to describe Incorporation of Composted Biosolids.
 - g. Total acres with topsoil replaced: 112.2
 - In 2020, 1.604 acres were disturbed for Xcel's Robinson Rack upgrade work, and those 1.604 acres were replaced with topsoil.
 - h. Topsoil replacement depth: 6 – **12 inches**
 - i. Total acres mulched with approved mulch: 89.2
 - In 2020, 1.604 acres were mulched for Xcel's Robinson Rack upgrade work.

- j. .Mulch application rate: 1 ton per acre
 - k. Mulch application method: Crimping, with tractor
14. Yes. Weed control was conducted in accordance with the Weed Control Plan submitted in Amendment AM-06 and the weed species and control types are found on the maps uploaded in question 22. A weed control information narrative is provided in the supplemental information upload section.
 15. Yes. As described in Amendment AM-06, adequate topsoil for reclamation has been identified/reserved within the affected land boundary. However, not all available cover material has been stripped and stockpiled. Climax has been segregating and stockpiling topsoil since 1979 based on areas of disturbance associated with mining activities. Although current soil stockpiles do not currently meet final reclamation needs, soil from future disturbed areas will continue to be stockpiled and Climax will utilize its biosolids composting operation to generate additional nutrient-rich topsoil amendment.
 16. Yes. Stockpiled topsoil has been vegetated and stabilized.
 17. N/A. Mining activities have not exposed groundwater.
 18. Yes. All hazardous materials at Climax are stored within approved spill containment structures.
 19. Yes. AM-06 approved financial warranty is sufficient to cover complete reclamation cost.
 20. Yes. Climax's basis for legal right to enter (as described in AM-06) is still valid.
 21. Yes. Annual monitoring information is uploaded in question 21. A narrative statement is included as a cover page with results of groundwater and surface water monitoring in 2020.
 22. Climax has prepared several maps depicting the permit boundary, current affected area boundary and locations of the acreages specified in items 7 – 12. The maps included in Appendix 2 attached to this report are as follows:
 - a. Map 1 – Depicts the permit boundary, current affected area boundary, the acreage currently affected, the acreage that was newly affected in the reporting year.
 - b. Map 2 – Depicts the total acreage that has been reclaimed, and the acreage where reclamation is in progress.
 - c. Map 3 – Depicts the acreage where reclamation is in progress that has been graded and/or covered with topsoil.
 - d. Map 4 – Depicts the acreage where reclamation is in progress that has been seeded, mulched, or fertilized.

23. Information included in this section: This narrative, 2020 annual TSF evaluation letter from AECOM, and Weed Control information and tables.

24. Climax has not drilled any exploration/prospecting holes that have produced artesian flow.



AECOM
7595 Technology Way
Suite 200
Denver, CO 80237
www.aecom.com

303-694 2770 tel
303 694 3946 fax

February 1, 2021

Ms. Diana Kelts
Environmental Manager
Climax Molybdenum Company- Climax Mine
Highway 91 – Fremont Pass
Climax, CO 80429

Subject: DRMS Annual (Year 2020) Tailings Storage Facility Evaluation, Tenmile and Mayflower Tailings Storage Facilities, Climax Mine, Permit No. M-1977-493

Dear Ms. Kelts:

AECOM, through its legacy company URS Corporation, serves as the Engineer of Record (EOR) for the Tenmile and Mayflower Tailings Storage Facilities (TSF) at the Climax Mine, located near Fremont Pass Colorado. AECOM has prepared this summary of our Annual (2020) TSF Evaluation as required by Section 6 of the Mayflower TSF Operations and Maintenance Manual (OMM) and as stated in the response letter dated June 23, 2014 from Climax Molybdenum Company to the Division of Reclamation, Mining, and Safety (DRMS):

DRMS initially requested that the annual TSF inspection/evaluation/certification report be submitted to DRMS within 30 working days of the inspection. Climax has requested that the report be included with the standard annual report for the site. DRMS will allow the submittal of the TSF certification report with the other annual report if Climax will commit to notifying DRMS within 30 days of the inspection (or sooner if possible) of any issues identified in the inspection report that require corrective actions or modification to the existing approved TSF plans.

It is our understanding you will include this annual letter to DRMS in compliance with your other annual reporting. Presented below is a summary of key observations made during 2020.

A majority of the tailings deposition occurred at the Mayflower TSF in 2020. Deposition through the leadoffs or cutouts at Mayflower TSF occurred in January through May and November through December. Spigot deposition at Mayflower TSF occurred generally from May 18 through November 4, 2020. Minor deposition occurred for a brief time in 2020 at the Tenmile TSF with four days of spigot deposition in August to fill in low spots. Otherwise, there was no spigot deposition or leadoff or cutout deposition campaigns at Tenmile TSF in 2020.

AECOM completed monthly site inspections of the active TSF(s) from May to October 2020. A report was not completed in November 2020 due to winter limiting ability to complete the inspection. The reviews included meeting with operations personnel and reviewing production and operational logistics, operational plans, tailings management challenges, and future plans for operating the dams. Our monthly inspections included reviewing tailings dam instrumentation, specifically reviewing piezometric elevations, inclinometer, InSAR, and GPS survey data, as available. We also completed monthly walking tours of the dams observing active and inactive tailings beaches, dam crests, abutments, downstream slopes, and toe areas. We also conducted a review of the horizontal and foundation drain outfalls, as accessible and applicable.



Ms. Diana Kelts
Climax Molybdenum Company
February 1, 2021
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As part of the Mayflower TSF operation, routine raises to the tailings delivery crest line system (crest line) are required to continue to support tailings deposition. A crest line raise was completed in 2020 that consisted of an 18 ft raise to the 5 Dam crest line and crest road from Elevation 10,632 ft to 10,650 ft. The DRMS observed the completed raise during their October 21, 2020 inspection. This work was completed from June to August 2020 and was the first raise to the system since resuming deposition at Mayflower TSF in 2014. This new crest line and crest road will support tailings deposition to an approximate tailings elevation of 10,671 ft.

Associated with the continued raise of the Mayflower TSF, the North Cutout channel was relocated along with the Mayflower Seepwater return line discharge. This work was completed from July 2020 through October 2020. As part of this work, Climax removed approximately 1,000 ft of the Mayflower Seepwater pipeline through the future dam footprint and filled approximately 100 ft of the remaining pipeline with a non-shrink grout plug. The seepwater return line discharges into the relocated North Cutout channel where the channel discharge location was set to maintain a distance of approximately 800 ft upstream from an approximate future tailings crest elevation of 10,693 ft.

No significant issues were identified in 2020 during the EOR site visits that required notification to the DRMS by Climax. Any maintenance issues during the EOR site visits were discussed with the Climax tailings operations staff and corrective action plans were developed and implemented.

The Tenmile and Mayflower TSFs appear to be functioning within the established design criteria. This judgment is based on observations made during site visits, as well as information provided and reported by Climax tailings operations staff such as deposition quantity, water surface elevations, and other parameters.

The remote monitoring system provides continuous monitoring of piezometric elevations. The system incorporates alarms based on piezometric elevation changes identified as either rate-of-change or threshold exceedances. Rate-of-change alarms are triggered when predetermined elevation changes occur over a prescribed period of time. Action levels and threshold elevations are specific to individual piezometers. Threshold levels are established based on the results of slope stability analyses and provide redundant warnings should piezometric elevations rise above prescribed predetermined elevations. The monitoring system triggers alarms requiring immediate review.

AECOM reviews the piezometric data monthly on both the Tenmile and Mayflower TSFs. Piezometers levels are tracking in accordance with the design criteria. AECOM reviewed the annual movement monument, InSAR, and inclinometer data and found movement within the tolerance expected.

Continued diligence in monitoring embankment construction, decant pond levels, and instrumentation is essential to long term safety and performance of the structure. Correct operation of the tailings storage facility is essential, and it is incumbent upon Climax to maintain proper training and personnel. AECOM will continue to work with the Climax team to monitor the performance of the TSFs.



Ms. Diana Kelts
Climax Molybdenum Company
February 1, 2021
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AECOM represents that our services are performed within the limits prescribed by the Client in a manner consistent with the level and skill ordinarily exercised by other consultants under similar circumstances. No representation to the Client, expressed or implied, and no other warranty or guarantee is included or intended.

Please do not hesitate to call us with any questions or comments.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Lisa Yenne'.

Lisa R. Yenne, PE
Project Manager

A handwritten signature in blue ink, appearing to read 'Richard Davidson'.

Richard R. Davidson, PE
Senior Principal Engineer

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Climax Mine **County:** Summit County

5 Dam, Mayflower, Main North Entrance, & PDWTP

Date: 7/27/2020 9:53 AM to 2:57 PM

Customer: Climax Mine and Mill Hwy 91 Leadville, CO 80461

Qualified Supervisor: Matt Clark #29724

Applicators: Matt Clark, Drew Gramer, Tanner Von Riesemann

Weather: Sunny 68 degrees F. **Wind:** 1 mph out of W

Site/Crop: Reclamation/Revegetation Area, Non-Crop Industrial

Target Plants: Oxeye daisy - Leucanthemum vulgare - List B, Thistle, Canada - Cirsium arvense - List B, Toadflax, Yellow-Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 50 GPA - Spray Rig #4 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	12 fl oz per acre	6 fl oz	0.24 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	8 fl oz	0.32 fl oz per gallon
Telar XP - 352654 - Chlorsulfuron 75%	1.5 Oz (weight) per acre	0.75 Oz (weight)	0.03 Oz (weight) per gallon
Transline - 62719-259 - Clopyralid 40.9%	11 fl oz per acre	5.5 fl oz	0.22 fl oz per gallon

Total Application: 0.5 acre

Total Acres Applied with Backpacks if Applicable:

Total Acres Surveyed if Applicable:

Application Notes:

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Climax Mine **County:** Summit County

Lower Mayflower, East Interceptor, 3 Dam Pump House, Upper Mayflower

Date: 7/28/2020 6:24 AM to 1:30 PM

Customer: Climax Mine and Mill Hwy 91 Leadville, CO 80461

Qualified Supervisor: Matt Clark #29724

Applicators: Matt Clark, Drew Gramer, Tanner Von Riesemann

Weather: Cloudy 58 degrees F. **Wind:** 1 mph out of N

Site/Crop: Disturbed Area, Reclamation/Revegetation Area

Target Plants: Oxeye daisy - Leucanthemum vulgare - List B, Thistle, Canada - Cirsium arvense - List B, Toadflax, Yellow-Linaria vulgaris - List B, Mayweed chamomile - Anthemis cotula - List B

Application Equipment: Orange_Kubota **Equipment Rate:** 50 GPA - Spray Rig #4 Spot Spray **Application Method:** Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Telar XP - 352654 - Chlorsulfuron 75%	1.5 Oz (weight) per acre	0.375 Oz (weight)	0.03 Oz (weight) per gallon
Transline - 62719-259 - Clopyralid 40.9%	11 fl oz per acre	2.75 fl oz	0.22 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	4 fl oz	0.32 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	3 fl oz	0.24 fl oz per gallon

Total Application: 0.25 acre

Total Acres Applied with Backpacks if Applicable:

Total Acres Surveyed if Applicable:

Application Notes: Treated lower topsoil stockpile below 5 Dam, treated Topsoil stockpile above Mayflower tailings pond.

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Climax Mine **County:** Eagle

Robinson Dam & Chalk Mountain Reservoir

Date: 7/29/2020 2:00 PM to 4:30 PM

Customer: Climax Mine and Mill Hwy 91 Leadville, CO 80461

Qualified Supervisor: Matt Clark #29724

Applicators: Matt Clark, Drew Gramer, Tanner Von Riesemann

Weather: Partly Cloudy 65 degrees F. **Wind:** 8 mph out of W

Site/Crop: Disturbed Area

Target Plants: Woody Species Treatment

Application Equipment: SG 20 Backpack Sprayer **Equipment Rate:** 30 GPA - Stihl SG 20 Backpack Spot
Spray Application Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Spray Indicator - Blue Dye	0.5 fl oz per gallon	7 fl oz	0.02 fl oz per gallon
Induce - Adjuvant	1 fl oz per gallon	14 fl oz	0.03 fl oz per gallon
Garlon 3A - 6271937 - Triclopyr 44.4%	8 fl oz per gallon	112 fl oz	0.27 fl oz per gallon

Total Application: 14 gallon

Total Acres Applied with Backpacks if Applicable: 0.5

Total Acres Surveyed if Applicable:

Application Notes: Treated woody vegetation on the Robinson Dam and Chalk Mountain Reservoir inner and outer dam faces. Treated woody vegetation within dam groin areas and at a minimum of 15 feet from the toe of dam faces. Treated willows around black pipe cut off below Robinson Dam. Treated willows around the Chalk Mountain outflow.

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: Yes

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Climax Mine **County:** Summit County

10 Mile, Robinson Tailings Pond, 1 Dam

Date: 7/29/2020 6:32 AM to 2:30 PM

Customer: Climax Mine and Mill Hwy 91 Leadville, CO 80461

Qualified Supervisor: Matt Clark #29724

Applicators: Matt Clark, Drew Gramer, Tanner Von Riesemann

Weather: Clear 45 degrees F. **Wind:** 1 mph out of N

Site/Crop: Disturbed Area, Reclamation/Revegetation Area

Target Plants: Oxeye daisy - Leucanthemum vulgare - List B, Thistle, Canada - Cirsium arvense - List B, Toadflax, Yellow-Linaria vulgaris - List B

Application Equipment: Orange_Kubota_#4 **Equipment Rate:** 50 GPA - Spray Rig #4 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	12 fl oz per acre	3 fl oz	0.24 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	4 fl oz	0.32 fl oz per gallon
Telar XP - 352654 - Chlorsulfuron 75%	1.5 fl oz per acre	0.375 fl oz	0.03 fl oz per gallon
Transline - 62719-259 - Clopyralid 40.9%	11 fl oz per acre	2.75 fl oz	0.22 fl oz per gallon

Total Application: 0.25 acre

Total Acres Applied with Backpacks if Applicable:

Total Acres Surveyed if Applicable:

Application Notes:

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Climax Mine **County:** Eagle_

Robinson Dam & Eagle Reservoir

Date: 7/30/2020 6:44 AM to 11:22 AM

Customer: Climax Mine and Mill Hwy 91 Leadville, CO 80461

Qualified Supervisor: Matt Clark #29724

Applicators: Matt Clark, Drew Gramer, Tanner Von Riesenmann

Weather: Clear 37 degrees F. **Wind:** 1 mph out of N

Site/Crop: Disturbed Area, Reclamation/Revegetation Area

Target Plants: Oxeye daisy - Leucanthemum vulgare - List B, Thistle, Canada - Cirsium arvense - List B, Toadflax, Yellow-Linaria vulgaris - List B, Mayweed chamomile - Anthemis cotula - List B

Application Equipment: Kubota_#4 **Equipment Rate:** 50 GPA - Spray Rig #4 Spot Spray **Application Method:** Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	12 fl oz per acre	3 fl oz	0.24 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	4 fl oz	0.32 fl oz per gallon
Telar XP - 352654 - Chlorsulfuron 75%	1.5 Oz (weight) per acre	0.375 Oz (weight)	0.03 Oz (weight) per gallon
Transline - 62719-259 - Clopyralid 40.9%	11 fl oz per acre	2.75 fl oz	0.22 fl oz per gallon

Total Application: 0.25 acre

Total Acres Applied with Backpacks if Applicable:

Total Acres Surveyed if Applicable:

Application Notes: Treated areas below Robinson Dam and Eagle Reservoir. Ground frost but warmed up fast.

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Climax Mine **County:** Lake_&_Summit

Arkansans River, Main Security Gate, Billy Blvd, & 1 Dam

Date: 8/24/2020 9:10 PM to 4:05 PM

Customer: Climax Mine and Mill Hwy 91 Leadville, CO 80461

Qualified Supervisor: Matt Clark #29724

Applicators: Matt Clark, Ian Donnelly, Tanner Von Riesemann

Weather: Partly Cloudy 62 degrees F. **Wind:** 1 mph out of SW

Site/Crop: Reclamation/Revegetation Area

Target Plants: Oxeye daisy - Leucanthemum vulgare - List B, Thistle, Canada - Cirsium arvense - List B, Toadflax, Yellow-Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** **Application Method:** Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	12 fl oz per acre	6 fl oz	fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	8 fl oz	fl oz per gallon
Escort XP - 352439 - Metsulfuron Methyl	1.5 Oz (weight) per acre	0.75 Oz (weight)	Oz (weight) per gallon
Transline - 62719-259 - Clopyralid 40.9%	10 fl oz per acre	5 fl oz	fl oz per gallon

Total Application: 0.5 acre

Total Acres Applied with Backpacks if Applicable:

Total Acres Surveyed if Applicable:

Application Notes: Treated along the upper banks of Arkansans river. Treated around the main security gate and road corridors along Billy Blvd. Treated south corner of 1 Dam and located several new toadflax infestations that have not previously been treated.

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Climax Mine **County:** Lake_County,_eagle_county,_summit_county_

1 dam, Columbine ditch, Chalk Mountain, Robinson dam, Lake Irwin wetland

Date: 8/25/2020 6:31 AM to 2:34 PM

Customer: Climax Mine and Mill Hwy 91 Leadville, CO 80461

Qualified Supervisor: Matt Clark #29724

Applicators: Matt Clark, Ian Donnelly, Tanner Von Riesemann

Weather: Partly Cloudy 42 degrees F. **Wind:** 1 mph out of NW

Site/Crop: Reclamation/Revegetation Area

Target Plants: Oxeye daisy - Leucanthemum vulgare - List B, Thistle, Canada - Cirsium arvense - List B, Toadflax, Yellow-Linaria vulgaris - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 60 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	12 fl oz per acre	6 fl oz	0.20 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	8 fl oz	0.27 fl oz per gallon
Escort XP - 352439 - Metsulfuron Methyl	1.5 Oz (weight) per acre	0.75 Oz (weight)	0.03 Oz (weight) per gallon
Transline - 62719-259 - Clopyralid 40.9%	10 fl oz per acre	5 fl oz	0.17 fl oz per gallon

Total Application: 0.5 acre

Total Acres Applied with Backpacks if Applicable:

Total Acres Surveyed if Applicable:

Application Notes: Treated listed areas

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No

Habitat Management, Inc.
Commercial Herbicide Applicator (CO #11318)
Herbicide Application Record



Location: Climax Mine **County:** Summit_County lake_county Eagle_County_

Date: 8/26/2020 5:00 AM to 1:55 PM

Customer: Climax Mine and Mill Hwy 91 Leadville, CO 80461

Qualified Supervisor: Matt Clark #29724

Applicators: Matt Clark, Ian Donnelly, Tanner Von Riesemann

Weather: Partly Cloudy 43 degrees F. **Wind:** 2 mph out of N

Site/Crop: Reclamation/Revegetation Area

Target Plants: Oxeye daisy - Leucanthemum vulgare - List B, Thistle, Canada - Cirsium arvense - List B, Toadflax, Yellow-Linaria vulgaris - List B, Mayweed chamomile - Anthemis cotula - List B

Application Equipment: Orange Kubota #3 **Equipment Rate:** 60 GPA - Spray Rig #3 Spot Spray **Application**

Method: Spot-Spraying **Carrier:** Water

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Spray Indicator - Blue Dye	12 fl oz per acre	1.5 fl oz	0.20 fl oz per gallon
MSO - Adjuvant	16 fl oz per acre	2 fl oz	0.27 fl oz per gallon
Escort XP - 352439 - Metsulfuron Methyl	1.5 Oz (weight) per acre	0.1875 Oz (weight)	0.03 Oz (weight) per gallon
Transline - 62719-259 - Clopyralid 40.9%	10 fl oz per acre	1.25 fl oz	0.17 fl oz per gallon

Total Application: 0.125 acre

Total Acres Applied with Backpacks if Applicable:

Total Acres Surveyed if Applicable:

Application Notes: West interceptor, PDWPT, Mayflower stocksoil pile

NPDES COMPLIANCE (Only Applicable to Aquatic Sites)

Aquatic site: No

Use Pattern: Weeds and Algae

Is equipment properly calibrated? Yes

Did you conduct visual monitoring for adverse incidents? Yes

Were any adverse incidents identified? No