

**Question 23. SUPPLEMENTAL INFORMATION UPLOAD**

- Narrative Annual Report – Provides detail to answers on annual report questions.
- 2022 Tailing Storage Facility Evaluation Letter from AECOM
- 1 Dam Horizontal Drains – no new drains drilled in 2022
- Weed Control Data Tables

**Annual Report – 2022**  
**Climax Molybdenum Company - Climax Mine**  
**Highway 91 – Fremont Pass**  
**Climax, Colorado 80429**  
**Permit No. M-1977-493**

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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 2022 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 (3/4/22).
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 4,214.5 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 25.6 acres of newly affected land for the current (2022) report year.
10. Climax did not reclaim any of its affected land during the current (2022) report year.
11. Climax estimates that up to 50.0 acres may become affected in the next (2023) report year.
12. Climax does not anticipate any new reclamation occurring in the next (2022) 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: 552.3 acres
    - In 2022, 0.0 acres were seeded.
  - d. Seed Application Method: Hydroseeding for slopes > 50% (Broadcast for all other areas.)
  - e. Total acres fertilized with approved fertilizer: 437.1 acres
    - In 2022, 0.0 acres 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
    - There were 0.0 acres topsoiled in 2022.
  - h. Topsoil replacement depth: 6 – 12 inches
  - i. Total acres mulched with approved mulch: 89.2
    - There were 0.0 acres mulched in 2021.
  - 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 2022.
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, 2022 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.  
Climax will submit exploration drill hole final abandonment report(s) within 12 months of any drill hole completion.



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303-694 2770 tel  
303 694 3946 fax

February 1, 2023

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

Subject: Rev 0, DRMS Annual (Year 2022) 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 (2022) 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 2022.

All of the tailings deposition occurred at the Mayflower TSF in 2022. Deposition through the leadoffs or cutouts at Mayflower TSF occurred generally from January 1 through May 31, 2022 and October 21 through December 31, 2022. Spigot deposition at Mayflower TSF occurred generally from June 1 through October 20, 2022. There were no spigot deposition or leadoff or cutout deposition campaigns at Tenmile TSF in 2022. However, the Tenmile TSF does have additional tailings storage capacity remaining that will continue to be used to meet tailings storage and water management needs.

AECOM completed monthly site EOR reviews of the active TSF(s) from June to September 2022. 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, 2023  
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No significant issues were identified in 2022 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 remote monitoring system provides continuous monitoring of piezometric elevations within the Climax TSFs. 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. Threshold elevations are specific to individual piezometers 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.

Based on observed conditions and technical information reasonably available to or generated by AECOM and provided to AECOM by Climax, the Tenmile and Mayflower TSFs have generally performed within expectations during 2022.

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 of personnel. AECOM will continue to work with the Climax team to monitor the performance of the TSFs.

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 black ink, appearing to read "Lisa Yenne". The signature is fluid and cursive, with the first name "Lisa" and last name "Yenne" clearly distinguishable.

Lisa R. Yenne, PE  
Project Manager

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



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

May Flower & PDWTP

**Date:** 7/11/2022 9:21 AM to 4:00 PM

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

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Mark\_Kreuzman    Devin Zalaze

**Weather:** Partly Cloudy 61 degrees F.    **Wind:** 1 mph out of SW

**Site/Crop:** Rangeland, Right-of-way, Non-Crop Industrial

**Target Plants:** Mayweed chamomile - Anthemis cotula - List B, 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	Dilution Rate
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfuron 9.45%	3 Oz (weight) per acre	0.75 Oz (weight)	0.00 Oz (weight) per gallon
Induce - Adjuvant	16 fl oz per acre	4 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	3 fl oz	0.00 fl oz per gallon

**Total Application:** 0.25 acre

**Application Notes:** Treated lower Mayflower, main utility road corridor, North Gate and started treating around the PDWTP facilities. Add GPS point locations along utility road and PDWTP.

**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:** Jones\_Pit      **County:** Lake County

Jones Pit Reclamation & Property

**Date:** 7/13/2022 6:21 AM to 1:31 PM

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

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Matt Clark #29724, Mark\_Kreuzman    Devin Zale

**Weather:** Clear 47 degrees F.    **Wind:** 1 mph out of W

**Site/Crop:** Reclamation/Revegetation Area, Rangeland

**Target Plants:** Orange hawkweed - Hieracium aurantiacum - List A, 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	Dilution Rate
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfuron 9.45%	3 Oz (weight) per acre	4.5 Oz (weight)	0.00 Oz (weight) per gallon
Induce - Adjuvant	16 fl oz per acre	24 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	18 fl oz	0.00 fl oz per gallon

**Total Application:** 1.5 acre

**Application Notes:** Treated dense infestations of yellow toadflax in non-reclaimed areas. Surveyed area and identified additional infestations. Identified orange hawkweed in one isolated patch. Treated historic locations inside of reclaimed area.

**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\_and\_Summit\_

Robinson Dam & Robinson Tailings

**Date:** 7/14/2022 6:36 AM to 1:32 PM

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

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Matt Clark #29724, Mark\_Kreuzman    Devin Zalace

**Weather:** Sunny 49 degrees F.    **Wind:** 1 mph out of W

**Site/Crop:** Disturbed Area, Right-of-way

**Target Plants:** Oxeye daisy - Leucanthemum vulgare - List B, Thistle, Canada - Cirsium arvense - List B

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

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	0.75 Oz (weight)	0.00 Oz (weight) per gallon
Induce - Adjuvant	16 fl oz per acre	4 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	3 fl oz	0.00 fl oz per gallon

**Total Application:** 0.25 acre

**Application Notes:** Treated areas below Robinson Dam. Moved to areas around Robinson Tailings to finish.

**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

PDWTP, Lower Mayflower, East Interceptor, Slug Plant

**Date:** 7/12/2022 6:32 AM to 2:02 PM

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

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Matt Clark #29724, Mark\_Kreuzman    Devin Zalace

**Weather:** Clear 47 degrees F.    **Wind:** 1 mph out of SW

**Site/Crop:** Reclamation/Revegetation Area, Right-of-way, Non-Crop Industrial

**Target Plants:** Mayweed chamomile - Anthemis cotula - List B, Thistle, Canada - Cirsium arvense - List B, Toadflax, Yellow-  
Linaria vulgaris - List B, Thistle, Plumeless - Carduus acanthoides - List B

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

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfron 9.45%	3 Oz (weight) per acre	0.75 Oz (weight)	0.00 Oz (weight) per gallon
Induce - Adjuvant	16 fl oz per acre	4 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	3 fl oz	0.00 fl oz per gallon

**Total Application:** 0.25 acre

**Application Notes:** Treated around PDWTP building and lower Mayflower before heading south along east interceptor road to Slug Plant. Begin treating North corner of Robinson 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:** Summit County

5 Dam & Mayflower

**Date:** 8/22/2022 9:27 AM to 2:23 PM

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

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Matt Clark #29724, Mark\_Kreuzman      Zion Creach

**Weather:** Partly Cloudy 56 degrees F.      **Wind:** 2 mph out of SW

**Site/Crop:** Disturbed Area

**Target Plants:** Oxeye daisy - Leucanthemum vulgare - 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
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfon 9.45%	2 Oz (weight) per acre	1 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	36 fl oz per acre	18 fl oz	0.00 fl oz per gallon
Trophy Gold - Adjuvant	16 fl oz per acre	8 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	6 fl oz	0.00 fl oz per gallon

**Total Application:** 0.5 acre

**Application Notes:** Treated 5 Dam slope. Treated haul road corridor below 5 Dam to the Mayflower Swich Substation.

**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

Robinson Tailings Pond

**Date:** 8/24/2022 9:23 AM to 12:12 PM

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

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Matt Clark #29724, Mark\_Kreuzman      Zion Creech

**Weather:** Partly Cloudy 72 degrees F.      **Wind:** 3 mph out of W

**Site/Crop:** Disturbed Area, Reclamation/Revegetation Area

**Target Plants:** 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
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfon 9.45%	2 Oz (weight) per acre	0.5 Oz (weight)	0.00 Oz (weight) per gallon
Freelexx - 62719-634 - 2,4-D 56.3%	36 fl oz per acre	9 fl oz	0.00 fl oz per gallon
Trophy Gold - Adjuvant	16 fl oz per acre	4 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	3 fl oz	0.00 fl oz per gallon

**Total Application:** 0.25 acre

**Application Notes:** Treated Robinson Pond reclaimed areas and haul road corridor surrounding Robinson 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:** Summit\_County\_and\_Eagle\_County\_

1 Dam, Eagle Reservoir, & Robinson Pump House

**Date:** 8/25/2022 5:20 AM to 1:00 PM

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

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Matt Clark #29724, Mark\_Kreuzman      Zion Creech

**Weather:** Clear 47 degrees F.      **Wind:** 1 mph out of NW

**Site/Crop:** Disturbed 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	Dilution Rate
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfuron 9.45%	2 Oz (weight) per acre	1.5 Oz (weight)	0.00 Oz (weight) per gallon
Freelexx - 62719-634 - 2,4-D 56.3%	36 fl oz per acre	27 fl oz	0.00 fl oz per gallon
Trophy Gold - Adjuvant	16 fl oz per acre	12 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	9 fl oz	0.00 fl oz per gallon

**Total Application:** 0.75 acre

**Application Notes:** Treated northwest groin of 1 Dam, lay down yard below 1 Dam and utility road corridor down Robinson Pump House and Chalk Mountain Res. Treated area around Robinson Pump House. Treated areas below Eagle Reservoir and outside of gate to property disturbance line.

**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:** Jones\_Pit\_ **County:** Lake County

Jones Pit Reclamation & Property

**Date:** 8/25/2022 6:25 AM to 9:50 AM

**Customer:** Climax\_Mine\_

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Matt Clark #29724, Mark\_Kreuzman Zion Creech

**Weather:** Clear 41 degrees F. **Wind:** 1 mph out of W

**Site/Crop:** Reclamation/Revegetation Area, Natural Area

**Target Plants:** Mayweed chamomile - Anthemis cotula - List B, Thistle, Canada - Cirsium arvense - List B, Thistle, Musk - Carduus nutans - 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	Dilution Rate
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfon 9.45%	2 Oz (weight) per acre	2 Oz (weight)	0.00 Oz (weight) per gallon
Freelexx - 62719-634 - 2,4-D 56.3%	36 fl oz per acre	36 fl oz	0.00 fl oz per gallon
Trophy Gold - Adjuvant	16 fl oz per acre	16 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	12 fl oz	0.00 fl oz per gallon

**Total Application:** 1 acre

**Application Notes:** Treated property outside of reclaimed areas. Retreatment in locations that were treated last month was no required. Targeted new growth and areas that were miss last month. Yellow toadflax is in full flower was easily identifiable amongst tall grasses. Orange Hawkweed treatment locations from last month was inspected and no further treatment was required. Treated Reclamation area and identified one musk thistle plant. Plant was in flower but had not yet produced seed. Plant was cut and rosette sprayed.

**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

Substation/Transformer Pads and Perimeters

**Date:** 8/26/2022 5:50 AM to 10:46 AM

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

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Matt Clark #29724, Mark\_Kreuzman      Zion Creech

**Weather:** Overcast 46 degrees F.      **Wind:** 2 mph out of W

**Site/Crop:** Electrical Station

**Target Plants:** Other Species: See Application Notes

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

Herbicide Applied	Application Rate	Total Amount Applied	Dillution Rate
Viewpoint - 352847 - Imazapyr 31.6% - Aminocyclopyrachlor 22.8%	18 Oz (weight) per acre	45 Oz (weight)	0.00 Oz (weight) per gallon
Ranger Pro - 524517 - Glyphosate 41%	134 fl oz per acre	335 fl oz	0.00 fl oz per gallon
Trophy Gold - Adjuvant	16 fl oz per acre	40 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	30 fl oz	0.00 fl oz per gallon

**Total Application:** 2.5 acre

**Application Notes:** Treated pads at the PDC, PDWTP 115KV, Mayflower Seep and transformer, and Barge substation and transformer. Treated substation perimeters approximately 20 feet out from chain link fence (where possible). Glyphosate was mixed V/V @ 3% dilution rate (for 35 GPA) and Adjuvant was applied V/V @ 1% dilution rate (for 35 GPA). Steady rainfall followed applications less than 1 hour after treatment of Barge substation and transformer.

**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

3 Dam, Mayflower Tailings Pond & West Interceptor

**Date:** 8/23/2022 7:02 AM to 1:05 PM

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

**Qualified Supervisor:** Matt Clark #29724

**Applicators:** Matt Clark #29724, Mark\_Kreuzman      Zion Creech

**Weather:** Clear 47 degrees F.      **Wind:** 1 mph out of NW

**Site/Crop:** Disturbed Area

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

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

Herbicide Applied	Application Rate	Total Amount Applied	Dilution Rate
Opensight - 62719-597 - Carboxylic acid 62.13% - Metsulfuron 9.45%	2 Oz (weight) per acre	1 Oz (weight)	0.00 Oz (weight) per gallon
Weedar 64 - 71368-1 - 2,4-D 46.8%	36 Oz (weight) per acre	18 Oz (weight)	0.00 Oz (weight) per gallon
Trophy Gold - Adjuvant	16 fl oz per acre	8 fl oz	0.00 fl oz per gallon
Spray Indicator - Blue Dye	12 fl oz per acre	6 fl oz	0.00 fl oz per gallon

**Total Application:** 0.5 acre

**Application Notes:** Treated road corridor from top of 3 Dam (west side) to south end of Mayflower tailings. Treated West  
interceptor road corridor from 3 Dam to PDWTP.

**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

**Date:** 10/14/2022 8:20 AM to 12:00 PM

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

**Qualified Supervisor:** Mark Ray #32504

**Applicators:** Mark Kreuzman, Chris Bodie

**Weather:** Sunny 65 degrees F.    **Wind:** 1 mph out of N

**Site/Crop:** Natural 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	2 fl oz	0.02 fl oz per gallon
Locktite MSO - Adjuvant	0.5 fl oz per gallon	2 fl oz	0.02 fl oz per gallon
Garlon 4 - 6271940 - Triclopyr 60.45%	8.5 fl oz per gallon	34 fl oz	0.28 fl oz per gallon

**Total Application:** 4 gallon

**Application Notes:** treated woodies on Robinson Lake Dam. Also sprayed stumps of removed willows around pond and south side of abandoned building

**NPDES COMPLIANCE (Only Applicable to Aquatic Sites)**

**Aquatic site:** No

Use Pattern: Weeds and Algae

Is equipment properly calibrated?

Did you conduct visual monitoring for adverse incidents?

Were any adverse incidents identified?