

STATE OF ALASKA

2024

Application for Permits to Mine in Alaska (APMA)

Cover letter

Single Year Multi-year Start: 2024 Finish: 2025 APMA Number (A/F/J, Year, ****) 9398

What type activity are you planning to perform? <small>*REQUIRED</small> (1)	Surface estate of mineral properties: <small>*REQUIRED</small> (2)
<input type="checkbox"/> Suction Dredging/Reclamation <input checked="" type="checkbox"/> Placer Mining/ Reclamation <input type="checkbox"/> Hardrock Exploration/ Reclamation	<input checked="" type="checkbox"/> State (General) <input type="checkbox"/> Federal <input type="checkbox"/> State (Mental Health) <input type="checkbox"/> Private <input type="checkbox"/> City or Borough
<input type="checkbox"/> Reclamation Only <input type="checkbox"/> Access	

Check All That Apply: Mineral Property Owner Lessee Operator *Required (3)

Name: Mammoth Valley Mining LLC Primary Phone Number: 512 - 983 - 5570

Address: 11701 FM 7244 Ste 185 Secondary Phone Number: _____
AUSTIN TX 78738 Email: JOTTESON@noblemining.com

Click here for the Department of Commerce Link

Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____

Check All That Apply: Mineral Property Owner Lessee Operator *Required (4)

Name: NMO, LLC Primary Phone Number: 737 - 318 - 2496

Address: P.O. Box 92251 Secondary Phone Number: _____
AUSTIN TX 78709 Email: mammothvalleyminingoperations@gmail.com

Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____

Check All That Apply: Mineral Property Owner Lessee Operator *Required (5)

Name: 366 Mining LLC Primary Phone Number: _____

Address: P.O. Box 1410 Secondary Phone Number: _____
OMB Sandy, OR 97055 Email: _____

Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____

Check All That Apply: Mineral Property Owner Lessee Operator *Required (6)

Name: NMH Nome LLC Primary Phone Number: 512 - 983 - 5570

Address: 10604 Marbury Ct. Secondary Phone Number: _____
Austin, tx 78726 Email: _____

Attach a separate sheet for additional contacts

Alaska Business/Corporation Entity# 10199003 Registered Agent (Corp./LLC/LP) Jeff Keener

Project Name If Applicable: (7) Mammoth Valley Mining, LLC Average Number of Workers: *REQUIRED (8) 10 - 12 Start-Up/Shut Down: (Month/Day) (9) 5/1/24 to 11/11

Mining District: *REQUIRED (10) Kougavok Applicable USGS Map(s): *REQUIRED (11) Bendeleben B-6 SE On What Stream Is This Activity? (12) Quartz Creek

Legal Description of mineral properties to be worked (MTRS) *REQUIRED (13)

Example Fairbanks Meridian Township 001N Range 003E Sections 15, 16, and 21 or F 001N 003E Sec. 15, 16, and 21

Kateel Meridian, USGS Quad map Bendeleben B-6 SE,
Latitude 65.36220° N Long 164.706951° W
Mile Post 80 Kougavok Rd. Nome, Alaska

Internal Use Only:

Internal Use Only

Date Application Received Complete _____ Adjudicator _____ LAS Entry _____

Sec 3 CID _____ Sec 4 CID _____ Sec 5 CID _____ Sec 6 CID _____

APMA 9398 Active Area

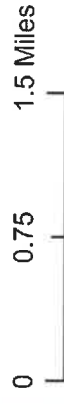


This map was created on 7/2/2024 by the Alaska Department of Natural Resources as a courtesy to supplement the application received. This map displays a graphical illustration only. Source documents remain the official record.

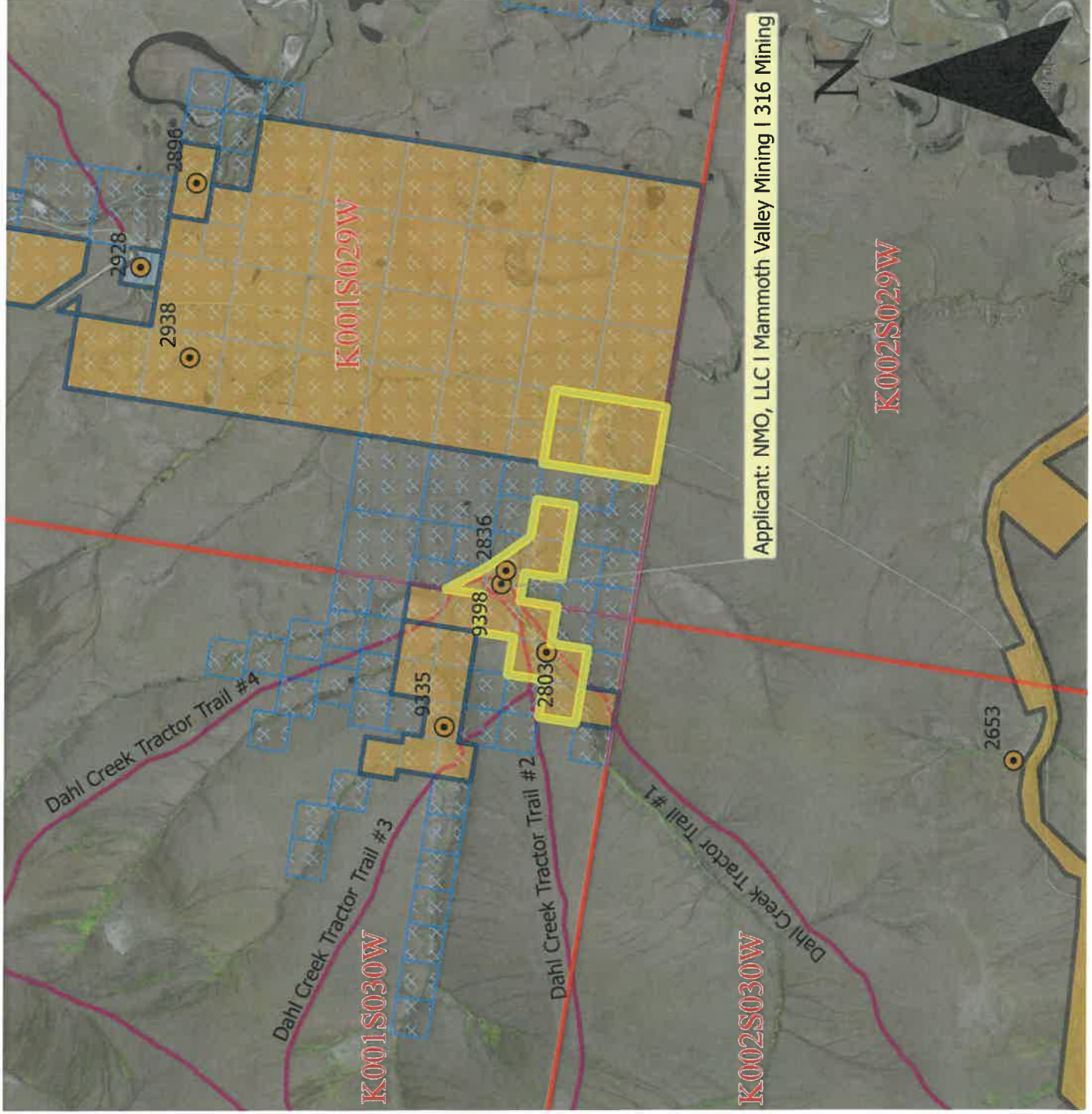
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APMA Type Scale: 1:63,360

- Mechanical Placer Mining
- Suction Dredge / Dredging
- State Mining Claim



Center: 164°42'19"W 65°21'34"N



CASE_ID	CSTMNM	SPCLCDDSCR	CSSTSDSCR	CLAIM_NAME	NTPSTDT	RRFRSHDT
ADL 570363	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	MUSK OX 1	24-Jun-95	7/2/2024 3:01
ADL 570364	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	MUSK OX 2	24-Jun-95	7/2/2024 3:01
ADL 570365	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	MUSK OX 3	25-Jun-95	7/2/2024 3:01
ADL 570366	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	MUSK OX 4	25-Jun-95	7/2/2024 3:01
ADL 571745	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	QUARTZ DISCOVERY	18-Apr-96	7/2/2024 3:01
ADL 571746	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	QUARTZ 1 ABOVE	18-Apr-96	7/2/2024 3:01
ADL 571754	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	DAHL BENCH 1	19-Apr-96	7/2/2024 3:01
ADL 571756	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	QUARTZ 1 BELOW	19-Apr-96	7/2/2024 3:01
ADL 571757	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	QUARTZ 2 BELOW	19-Apr-96	7/2/2024 3:01
ADL 571759	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	QUARTZ BENCH LEFT-LIMIT	19-Apr-96	7/2/2024 3:01
ADL 612219	Mammoth Valley Mining, Lcc	Mining Claim (MC)	Active (35)	QUARTZ #4 BELOW	28-Apr-08	7/2/2024 3:01
ADL 800521	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C14	30-May-22	7/2/2024 3:01
ADL 800522	Nmh Nome, Llc.	Mining Claim (MC)	Active (35)	C15	30-May-22	7/2/2024 3:01

NMO, LLC

APMA F-249398

Amendment No. 3, West Pit

Bendeleben (B-6)....N65.3576, W164.6778; KRM, T1S, R29W, S-32

13 June 2024

Introduction...

NMO, LLC (NMO) wishes to amend the currently approved APMA 9398 to include mining exposed gravel in the gravel pit to the west of the Kougarak Highway at Brakes Bottom. The intent of this proposal is to recover precious metals from the gravel and to provide washed tailings to be used to complete reclamation of mined areas in the Quartz and Dahl Creek drainage, located on state mining claims owned by Mammoth Valley Mining LLC (MVM) and specified in NOVs issued in 2023. NMO will process gravel with the washplant currently located on ADL 571516. This claim is owned by MVM and the washplant and associated settling/recycle ponds have been at this location since 2022.

Special Considerations...

The highlighted perimeter of uplands shown on Figures 1, 2, & 3 have been discussed and tentatively approved with USACE to maintain a buffer on the east edge of the perimeter where a seasonal drainage ditch drains rain/melt water to Quartz Creek in overly wet periods. To stay ahead of possible overflow of water from above the mining location, a proposed ditch within the perimeter will be created and maintained to direct any waters into a small settling pond constructed within the West Pit perimeter. If additional clarified water flow is necessary out of the settling pond, silt fencing and/or erosion control devices will channel clarified water along the natural hydrology of the land. The current natural hydrology of the land has limited water from the tundra seeping from the northern edge of the pit perimeter, flowing at high rainfall periods into the pit area at one point (lat 63.35808 / long -164.67755); whereas we will be placing a clean drum into the ground with sloping edges to catch this water before it enters the mining cut perimeter and run a 6 inch rubber, flexible pipe from that drum wholly across the gravel perimeter to the southern edge (lat 65.35714 / long -164.6772) where the water naturally flows. This option keeps the water from flowing through the gravel and limits its exposure to silting. At the exit of the pipe, it will flow into another barrel which will allow it to slow down, flow over the top of the barrel, and into a new rock fan and silt fences so that the water will slow down upon exiting the pipe before continuing its natural course.

State Mining Claims Used In Amendment No. 3...

West Mine Pit:

- ADL 612219 (Mammoth Valley Mining LLC)
- ADL 800521 (NMH Nome LLC)
- ADL 800522 (NMH Nome LLC)

Processing:

- ADL 571756 (Mammoth Valley LLC)

Equipment List...

The same equipment kit used in the East Pit, as shown in Amendment No. 2 to F-9383 will be used to excavate and haul pay gravel from the West Pit. The equipment are currently stored near the washplant on ADL 571756. The equipment includes:

- 3... Komatsu HM400 40-ton articulated trucks... Haul pay gravel to washplant
- 2... Komatsu WA650 loaders... Load pay gravel into trucks
- 2... Komatsu PC 650 excavators... Load pay gravel into trucks & general utility
- 1... CAT D10N dozer... Stockpile organic overburden, doze pay into piles, reclamation

Camp & Fuel...

The camp and fuel storage facility is the same as described in the currently approved plan.

Mining Method & Processing...

The West Pit area was prepared for a borrow pit an unknown number of years ago. Thin soil and vegetation occurs here and will be dozed into a stockpile measuring ~1,100 ft long by ~25 ft wide and ~10 ft tall (~5,000 cy & ~0.7 ac) along the northern margin of the Uplands area. Any available organic material will be reserved for eventual reclamation.

The West Pit will be developed into the hillside to excavate and process mature, quartz-pebble gravels known as the "Kougarok Gravel". This is a very large body of well rounded and sorted white quartz pebbles and sand, gold-bearing throughout, and well-drained. The Kougarok Gravel extends to the north along the west limit of the Kougarok River to the Kougarok airstrip, where it is exposed in other gravel pits.

The high wall in the West Pit will be approximately 50 ft high and will be benched according to MSHA recommendations. Gravel will be dozed into piles and then loaded into trucks, which will haul the gravel to the previously described washplant on Quartz Creek at a rate of ~5,000 cy per day. About 250,000 cy of pay gravel will be excavated, hauled, and processed in 2024 and again in 2025 for a total of ~500,000 cy over two years. Total surface disturbance in 2024 to 2025 is estimated to be 10 acres of uplands.

NMO, LLC

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Bendeleben (B-6)....N65.3576, W164.6778; KRM, T1S, R29W, S-32

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Reclamation Plan for West Pit...

If NMO terminates mining in the West Pit, the pit will be reclaimed by sloping the pit walls into the pit and grading the reserved organic overburden over the contoured surface. Subtle benches will be placed on the slope to slow slopewash and retain fines to promote revegetation. Where possible, shallow ponds will be created to promote re-vegetation and development of a higher functioning habitat than currently exists. In total, 10 acres will be reclaimed at the West Pit at the end of 2025.

The washed tailings from the West Pit will be used in the ongoing reclamation effort on the following state mining claims owned by Mammoth Valley Mining LLC:

- 570365
- 570366
- 570364
- 571747
- 571745

NMO, LLC

APMA F-249398

Amendment No. 3, West Pit

Bendeleben (B-6)....N65.3576, W164.6778; KRM, T1S, R29W, S-32

13 June 2024

Amendment No. 3, West Pit Excavation... NMO wishes to amend the mine plan to add a mine pit located within USACE delineated Uplands to the west of the Kougarok Highway. The West Pit area is ~10 acres and includes state mining claims owned by Mammoth Valley Mining LLC (ADLs 612219 & 664717) and NMH Nome LLC (ADLs 800521 & 800522). Operator Authorizations from both claim owners have been issued for NMO LLC to operate on these claims. It is anticipated that the West Pit will be mined over two summers (2024 & 2025), as shown below. If the West Pit is expanded, an amendment to this plan will be submitted describing the proposed mine plan and associated disturbance to wetlands.

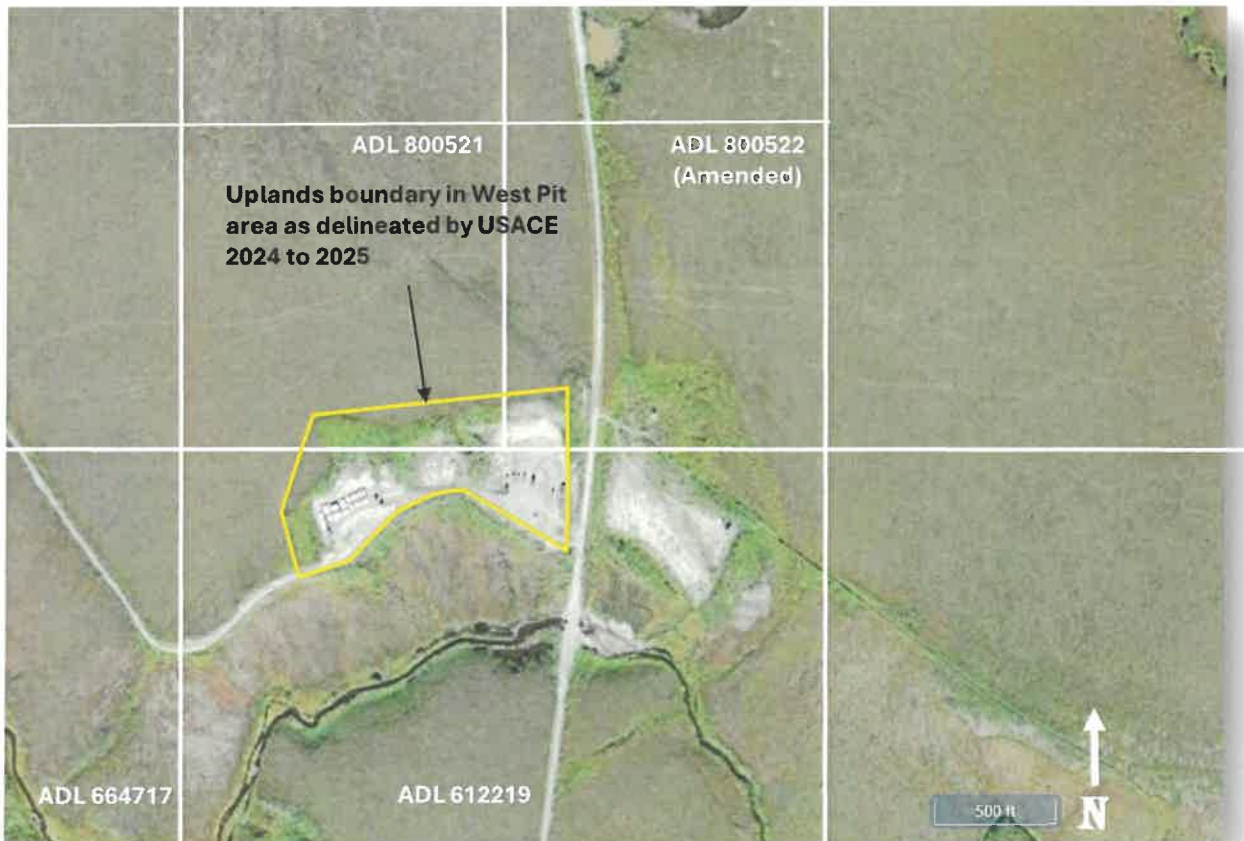


Figure 1

NMO, LLC

APMA F-249398

Amendment No. 3, West Pit

Bendeleben (B-6)....N65.3576, W164.6778; KRM, T1S, R29W, S-32

13 June 2024

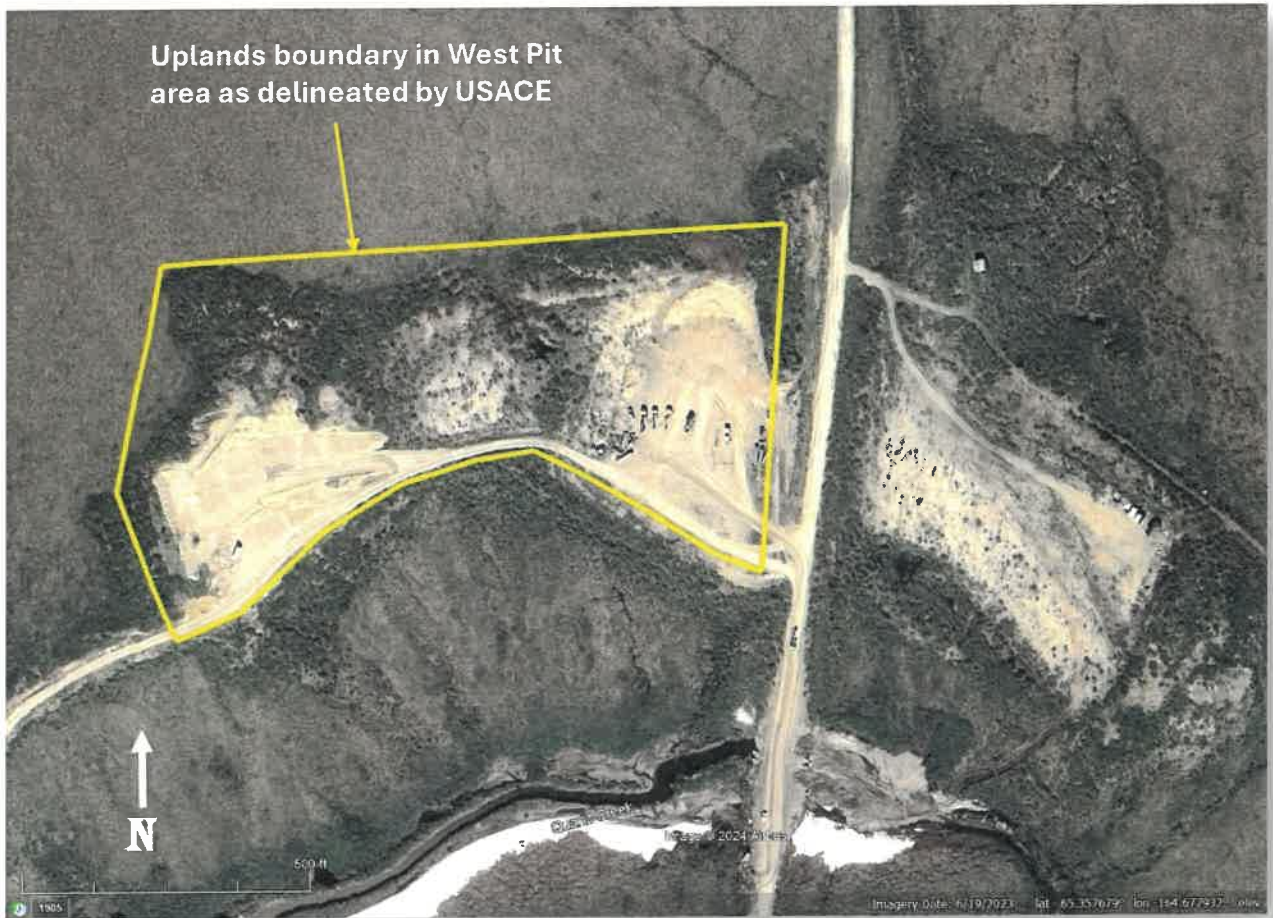


Figure 2

NMO, LLC

APMA F-249398

Amendment No. 3, West Pit

Bendeleben (B-6)...N65.3576, W164.6778; KRM, T1S, R29W, S-32

13 June 2024

West Pit Mine Plan... All mechanized activity will be restricted to within the limits of USACE delineated Uplands. The West Pit will be prepared by dozing organic overburden into a stockpile along the northern limit of the Uplands area and reserved for reclamation. The pit will be mined by loading gravel into trucks with an excavator and hauling to the washplant located on ADL 571756 for processing.

Approximate Area & Volume of Disturbance:

Overburden Stockpile... ~1,100' long by ~25' wide by ~10' tall → ~5,000 cy & ~0.7 acres

West Pit... ~1,100 ft long by ~350 ft wide averaging ~30' deep → ~ 500,000 cy & ~9.3 acres

Total Estimated Disturbance → ~505,000 cy & ~10 acres

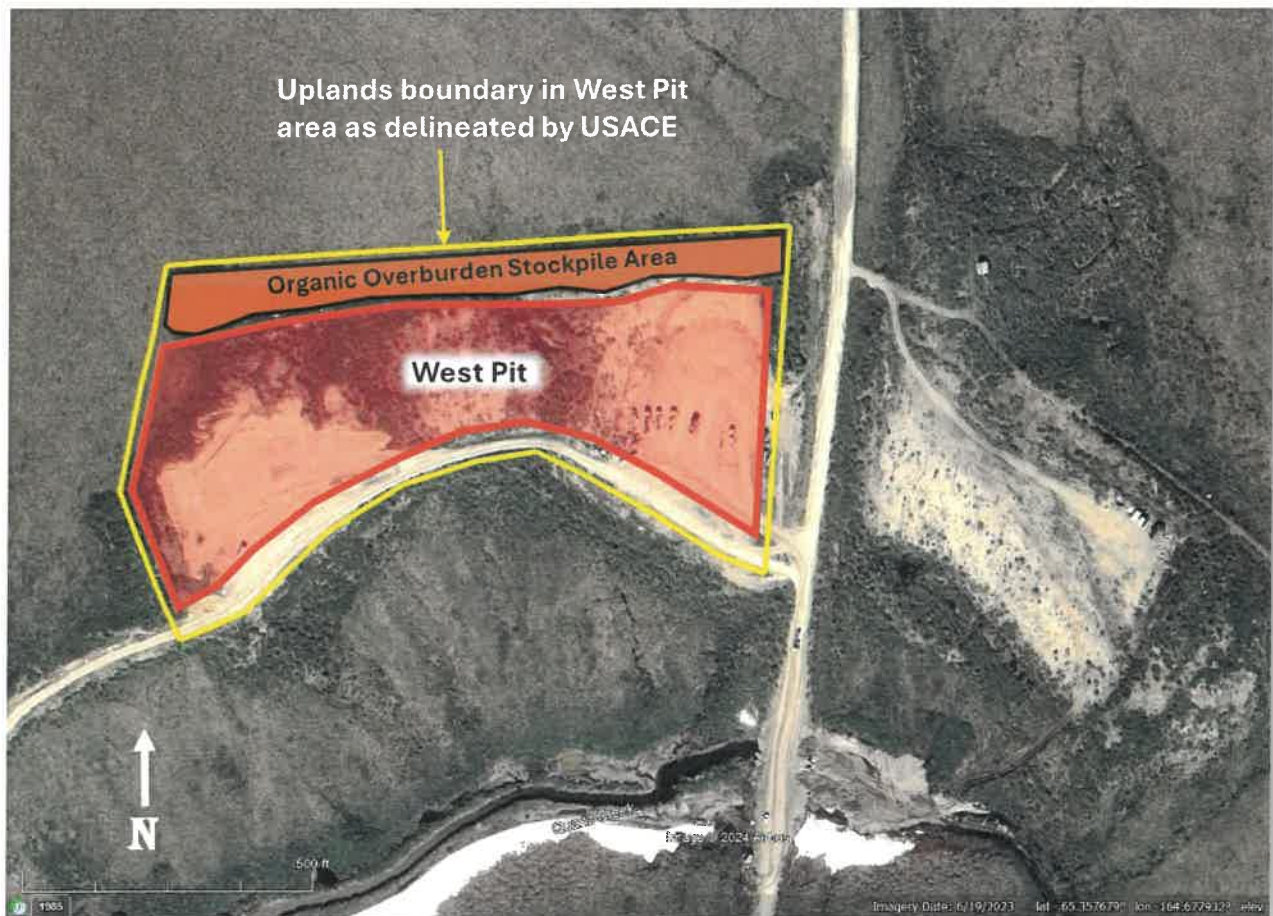


Figure 3

NMO, LLC

APMA F-249398

Amendment No. 3, West Pit

Bendeleben (B-6)....N65.3576, W164.6778; KRM, T1S, R29W, S-32

13 June 2024

Reclamation Plan...

The West Pit will be reclaimed by sloping and contouring the pit walls to blend with the surrounding topography and grading the reserved organic overburden over the surface. Shallow pond will be placed to catch slopewash and prevent erosion of the road and to develop local wetlands and provide a functional lift to the habitat.

In total, ~10 acres will be reclaimed.



Figure 4

NMO, LLC

Amendment No. 3, West Pit

Bendeleben (B-6)....N65.3576, W164.6778; KRM, T1S, R29W, S-32

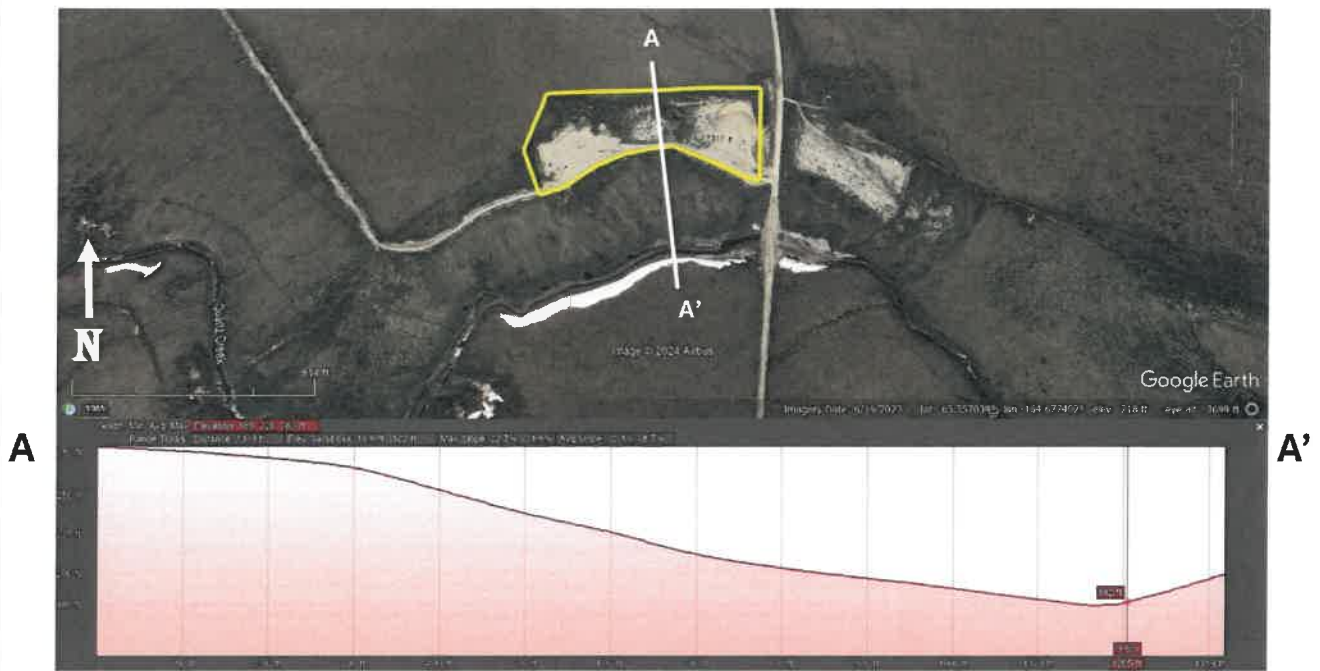
APMA F-249398

13 June 2024

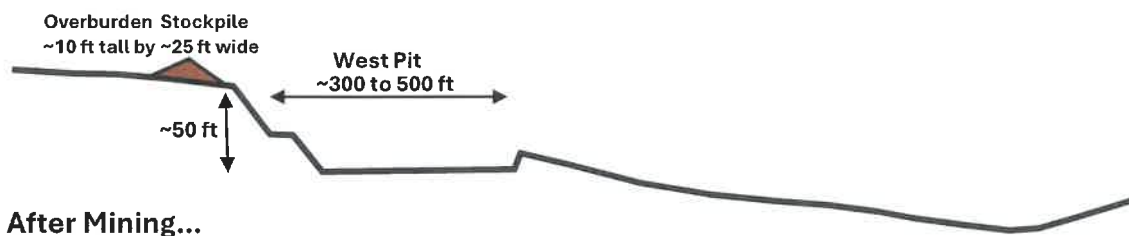
Not To Scale

Cross-Section A – A' through West Pit...

Cross-sections adapted from Google Earth, Surface Elevation Profile Tool



During Mining...



After Mining...

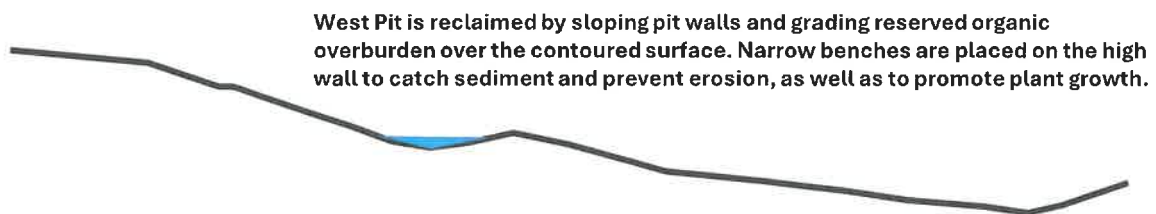


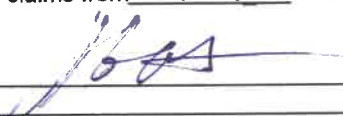
Figure 5

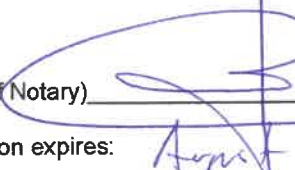
NOTICE OF OPERATOR AUTHORIZATION – MINERAL LOCATIONS


All operators or lease holders submitting APMAs for operations on mineral locations must submit a "Notice of Authorization" from the owner of record. This notice of authorization must name the operator and leaseholder (if different), the mineral properties by their designation (e.g.; ADL, AKFF, USMS, MTRS) and the time frame (beginning and ending dates) for which the authorization remains in effect. The Division of Mining, Land & Water will only issue a mining authorization for private land, per 11 AAC 97.310.(7), after notarized receipt of this Notice. **Please include it with your APMA.**

OPERATOR AUTHORIZATION

APMA# 9383

I, <u>NMH Nome, LLC/Manager Jason Otteson</u> , OWNER of mineral property(s): List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). <u>ADL 800521 ADL 800522</u> _____ _____ (Attach additional sheet if necessary) Have authorized <u>NMO, LLC Operator with Manager Jay Garrett</u> Address of Operator <u>PO Box 92251, Austin, TX 78709</u> to operate on these claims from <u>6 / 1 / 2024</u> to <u>12 / 31 / 2025</u> Owner's Signature <u></u> Date <u>6/13/2024</u>	Check Type of Mineral Property(s) <input checked="" type="checkbox"/> State ADL <input type="checkbox"/> Federal AKFF/AKAA <input type="checkbox"/> USMS <input type="checkbox"/> MTRS (Native Lands)
---	---

NOTARY
 Subscribed and sworn to before me this 13 day of June, 2024
 For (owner)
 (Signature of Notary) 
 My commission expires: August 3, 2026


IGNACIO REPARAZ
 Notary Public
 State of New Mexico
 Comm. # 1138504
 My Comm. Exp. Aug 3, 2026

OR (If the LESSEE and OPERATOR are not the same, both sections must be completed)

I, _____, LESSEE of mineral property(s): List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). _____ _____ (Attach additional sheet if necessary) have authorized _____ to operate on these claims from <u> / /</u> to <u> / /</u> . Lessee's Signature _____ Date _____ Lessee's Address _____	Check Type of Mineral Property(s) <input type="checkbox"/> State ADL <input type="checkbox"/> Federal AKFF/AKAA <input type="checkbox"/> USMS <input type="checkbox"/> MTRS (Native Lands)
--	--

NOTARY:
 Subscribed and sworn to before me this _____ day of _____, 20 ____.
 For (Lessee)
 (Signature of Notary) _____
 My commission expires: