

December 28, 2015

Mr. Michael Cunningham

Colorado Division of Reclamation, Mining and Safety

1313 Sherman St, Room 215

Denver, Co 80203

RECEIVED

DEC 30 2015

DIVISION OF RECLAMATION
MINING AND SAFETY

RE: Revision of Notice of Intent to Conduct Prospecting Application; DRMS File No. P-2015-021

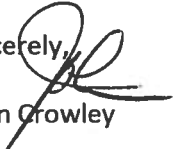
Dear Mr. Cunningham,

Enclosed please find the revised application based on your letter of December 22, 2015 stating the deficiencies of the NOI. I apologize for some obvious errors. I have made the corrections to form 2 to reflect the revisions. In summary referring to your letter:

1. Mr. Crowley will be the operator. Revised on page 1
2. Quarter quarter – corrected to sw1/4 of s/e ¼ on page 2
3. Changed to 284 cubic yards page 3. No additional disturbance.
4. Changed to .03 acres page 5. No additional disturbance.
5. Stockpiled material. Page 6 #8
6. No trees removed. Page 4 #11
7. Open test pits. Page 4 #11
8. Fencing signage. Page 4 #11
9. Topsoil page 6 #8
10. Added shrub seed. Page 7
11. Revised seed density from 10 to 1 PLS/acre.
12. Revised seed mixture to Suggested grass species.

If you need any additional information please let know. Thank you for your time.

Sincerely,


John Crowley

382 Mcarthur Dr

Lone Tree, Co 80124 303-601-3534

STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY
Department of Natural Resources

1313 Sherman St., Room 215
Denver, Colorado 80203
Phone: (303) 866-3567
FAX: (303) 832-8106



FORM 2 (Public File) NOTICE OF INTENT TO CONDUCT PROSPECTING OPERATIONS FOR HARD ROCK/METAL MINES

CHECK ONE:

- ☐ There is an NOI Number Already Assigned to this Operation
NOI# ☒ P- _____ (Please reference the file number assigned to this operation)
☐ New NOI
☐ Modification to an Existing NOI
NOI# P- _____ (Provide for Modifications to an existing NOI)

GENERAL OPERATION INFORMATION

Type or print clearly, in the space provided, ALL information described below.

I. GENERAL INFORMATION

1. **DATE NOI RECEIVED BY THE DIVISION:** _____ (office use only)
2. **PROJECT NAME:** LGPD2-2

8. **PROSPECTOR:**

Name: JOHN CROWLEY
Title: GEOLOGIST
Company Name: JC MINERALS LLC
Street: 382 MCARTHUR DR
P.O. Box: _____
City: LONE TREE
State: CO
Zip Code: 80124
Telephone Number: (303) 601-3534
Fax Number: _____

PERSON MLRB SHOULD CONTACT:

Name: JOHN CROWLEY
Title: GEOLOGIST
Company Name: JC MINERALS LLC
Street: 382 MCARTHUR DR
P.O. Box: _____
City: LONE TREE
State: CO
Zip Code: 80124
Telephone Number: (303) 601-3534
Fax Number: _____

9. **APPLICATION FEE: \$86.** (NOIs and modifications require an \$86 fee which must accompany this notice or it cannot be processed by the Division).

10. **LOCATION INFORMATION:**

County: PARK

PRINCIPAL MERIDAN (check one) ☐ 6th (Colorado) ☒ 10th (New Mexico) ☐ (Ute)

SECTION (write number): S 17

TOWNSHIP (write number and check direction) T 12 North ☐ South ☒

RANGE (write number and check direction)

R71

East

West



QUARTER SECTION (check one):



NE



NW



SE



SW

QUARTER/QUARTER SECTION (check one):



NE



NW



SE



SW

GENERAL DESCRIPTION: (the number of miles and direction to the nearest town and the approximate elevation):

NOTE: Supply longitude and latitude or UTM coordinates if lands have not been surveyed or as supplemental information to this NOI. GPS measurements will be acceptable for this purpose: _____

11. **LAND OWNERSHIP**

Private



Public Domain (BLM)



National Forest (USFS)



State



State Sovereign Lands



Other (please describe): _____

If prospecting is located on BLM or USFS land the remaining section must be completed, otherwise go to section II Maps & Drawings

12. **PROSPECTING ON BUREAU OF LAND MANAGEMENT (BLM) LAND AND U.S. FOREST SERVICE (USFS) LAND**

The Division and the BLM/USFS have entered into cooperative agreements that eliminate the need for a prospector to post a financial warranty with each agency and allow them to coordinate the review of the NOI in order to minimize administrative processing time and effort.

G. **CLAIMANT:**Name: MICHAEL ROYERAddress: PO BOX 23VILLA GROVE, CO 81155Telephone: 9704700973

Fax Number: _____

H. **SITE/CLAIM INFORMATION:**

List names, serial numbers and provide legal description to nearest quarter-quarter section of all sites or claims (attach additional page, if necessary).

NAMESERIAL NUMBERLEGAL DESCRIPTIONL.G.P.D. #2MC#269321SW1/4 OF SE1/4 OF SEC 17, T12S, R71WN.M. PM, PARK COUNTY

I. **LOCATION MAP:** Attach a USGS 7.5 minute quad, or similar map of adequate scale, which locates the prospecting site(s).

J. Are prospect sites (e.g., drill holes, trench locations, etc...) staked on the ground? Yes ☒ No ☐

K. Specify the Land Management Agency, Address and Telephone Number:

USFS PO BOX 219 FAIRPLAY CO 80440

L. The prospector is required to document that the NOI has been sent to the BLM or the USFS. Processing of the NOI will not begin until the prospector has submitted evidence acceptable to the Division that the NOI was sent to the BLM or USFS. Check one:

- ☐ Evidence of notification is attached to this NOI for BLM Land
☒ Evidence of notification is attached to this NOI for USFS Land.
☐ Other proof of notice is attached to this NOI

II. MAPS & DRAWINGS

Accurate topographic base map showing the location of the proposed project must be submitted with this notice. The prospector may submit a U.S.G.S. 7.5 minute quadrangle, or similar map of adequate scale that:

- identifies the proposed prospecting site(s) or activity areas involving surface disturbance. Activity areas include all drill holes, mud pits, excavations, trenches, adits, shafts, tunnels, rock dumps, stockpiles, impoundments and prospecting roads, and
- includes sufficient detail to identify and locate known prospecting features and facilities that may be affected and those that are not anticipated to be affected. This includes the location of all drill holes, mud pits, excavations, trenches, adits, shafts, tunnels, rock dumps, stockpiles, impoundments and prospecting roads. Color photographs, adequately labeled (including date, orientation and location), of the prospecting site may be used to fulfill this requirement if included with the NOI submittal.

III. PROJECT DESCRIPTION

7. Mineral(s) and/or Resource(s) being Investigated: MINERAL SPECIMENS, QUARTZ, FLUORITE, AMAZONITE

8. Estimated dates of commencement and completion:

Commencement: 07/01/2016,

Completion: 10/01/2016

9. Amount of material to be extracted, moved or proposed to be moved: 284.00

10. Identify the type or method of prospecting proposed and quantity (place an "X")

- | | | | |
|---------------------------------------|--|--|-----------------------------------|
| ☐ Cuts | ☒ Pits | ☐ Trenches | ☐ Declines |
| ☐ Shafts | ☐ Tunnels | ☐ Adits | |
| ☐ Air Drilling | ☐ Fluid Drilling | ☐ Drilling & Blasting | |

11. Describe proposed surface excavation or other land disturbance, including roads, pits, trenches, waste piles, drill pads and collar areas of underground workings, ponds, etc...

~~NONE OTHER THAN TEST PITS. SAFETY FENCING WILL BE INSTALLED AROUND ANY OPEN EXCAVATION TO MINIMIZE HAZARDS TO THE PUBLIC AND WILD LIFE. SIGNAGE WILL BE POSTED AT ANY OPEN EXCAVATION. EA. PIT WILL BE BACKFILLED AND RECLAIMED BEFORE MOVING ON TO THE REMAINING TEST SITE. NO TREE REMOVAL.~~

12. **Proposed Disturbance** (approximate) Describe the proposed drilling to be conducted, including anticipated number of holes, diameter, depth, location, etc... Submit additional pages if necessary:

- A. Drill Pads: Quantity 0.00 Average Width _____ (ft) Average Length _____ (ft)
 B. Drill Holes: Quantity 0.00 Depth _____ (ft) Diameter _____ (in)
 C. Mud Pits: Quantity 0.00 Average Width _____ (ft) Average Length _____ (ft)
 Average Depth _____ (ft)

Described proposed underground work, including reopening of old workings, advancement of adits or shafts, trenches, pits, cuts, rock dumps, or other types of disturbance, describe type, quantity and general dimensions:

- F. Other Disturbances (please describe):

~~POSSIBLE DISTURBANCE FROM WALKING IN EQUIPMENT. ANY DISTURBANCE WILL BE RECLAIMED TO FOREST SERVICE SPECS WITH APPROVED SEED MIX.~~

- G. Indicate Chemicals and Fuels used or stored on site. List type, quantity and method to store.

N/A

- F. New Road(s): Length _____ (ft) Width _____ (ft)
 Significantly Upgraded Road(s) Length _____ (ft) Width _____ (ft)

Are culverts or other crossings proposed? If so, please describe: _____

NO

G. Total project area to be disturbed 0.03 (acres)

K. Describe the equipment to be used for the prospecting operations:

RUBBER TIRED BACKHOE

L. Describe and locate any structures to be constructed (i.e. stockpiles, ponds, impoundments):

NONE

M. Describe anticipated relationship to surface water and groundwater (proximity to streams, penetration of ground water aquifers):

NONE ANTICIPATED

IV. OPERATION AND RECLAMATION MEASURES:

1. The Board suggests that a photographic record of the pre-prospecting and post-prospecting conditions be kept by the prospector. These photos should be taken from the same location and by the same method to clearly show the pre-prospecting condition of the land and the reclamation efforts. Upon completion of reclamation and request for bond or surety release, the Board may consider the photos as evidence of adequate reclamation, and thus, be able to act more quickly on the request for release.
2. Provide a description of the native vegetation of the area to be disturbed, including tree, shrub, and grass communities of the area. Color photographs, sufficient to adequately represent the ecology of the site and adequately labeled (including date, orientation and location), may be used in lieu of a written description. Based on the quality of the photographs, the Division may require additional detail.

SEMI ARID, PONDEROSA, MONTANE ZONE. THE PROPOSED DISTURBED AREAS
CONSIST OF BUNCH GRASSES AND SHRUBS

8. Describe the estimated topsoil depth and how topsoil will be salvaged, stockpiled and redistributed for the re-establishment of vegetation. Specify approximate topsoil redistribution depth:

FROM PERSONAL OBSERVATION: TOPSOIL DEPTHS RANGE FROM 1-12 INCHES. HAND DUG TEST PITS DID NOT INDICATE TOPSOIL DEPTH OVER 12". ALL TOPSOIL REGARDLESS OF QUANTITY WILL BE STOCK PILED ADJACENT TO THE EXCAVATION FOR RECLAMATION PURPOSES. OVERBURDEN NOT INCLUDING TOPSOIL WILL BE STOCKPILED IN A SEPERATE LOCATION ADJACENT TO THE TEST PIT.

9. Describe how drill holes will be plugged (refer to Rule 5.4 of the Rules for required abandonment procedures):

N/A

10. Describe how portals, adits, shafts, ponds, excavations, or other disturbances will be reclaimed (refer to Rule 3 and Rule 5 for specific reclamation performance standards). You may wish to contact the Division for closure specifications.

ALL PITS TO BE BACKFILLED FROM OVERBURDEN STOCKPILE AND CONTOURED TO FIT NATURAL SURROUNDINGS. STOCKPILED TOPSOIL WILL THEN BE DISTRIBUTED AND PLACED ON THE DISTURBED AREA. APPROVED SEED MIXTURE WILL BE RAKED IN AND WATER DIVERSION STRUCTURES (LOGS AND WOODY DEBRIS) WILL BE PUT IN PLACE TO PREVENT EROSION.

11. Describe how roads will be reclaimed or returned to their pre-prospecting (or better) condition:

NO ROADS TO BE CONSTRUCTED.

12. List the seed mixture to be used in the re-establishment of vegetation. See the attached seed mixture calculation to obtain PLS/acre. For assistance with formulating seed mixtures and rates, contact the local NRCS if on private land, BLM/USFS if on public land or State Land Board if on state land.

A. Provide plant name and seeding rate

Plant Name	Seeding Rate (PLS/acre)
TRisetum spicatum	1.00
BOUTELOUA GRACILIS	1.00
ELYMOUS CLYMOIDES	1.00
<i>Rubus deliciosus</i>	1.0

B. Describe the method for seed bed preparation, and application method for grass/forb seeding:

RECOUNTOUR SLOPES TO NATURAL SETTING. STOCKPILED TOPSOIL TO BE REPLACED ON DISTURBED AREA. SEED MIXTURE CAST AND RAKED IN.

V. TERMS AND CONDITIONS FOR PROSPECTING OPERATIONS:

3. Reclamation measures shall be fulfilled in a timely manner and completed within five (5) years of completion of prospecting activities.
4. The prospecting operations described in this Notice will be conducted in such a manner as to minimize surface disturbances. In addition to the measures required in Rule 5, precautions to be taken include:
 - A. Confinement of operations to areas near existing roads or trails, where practicable. Existing roads which are to remain as permanent roads after prospecting activities are completed shall be left in a condition equal to or better than the pre-prospecting condition;
 - B. Drilling shall be conducted in such a way as to prevent cuttings and fluids from directly entering any dry or flowing stream channel. Drill cuttings must be spread to a depth no greater than one-half (1/2) inch or buried in an approved disposal pit;

- C. Proper and timely abandonment of drill holes upon completion of drilling;
 - D. Reclamation of affected lands upon completion of operations or phases of an operation;;
 - E. Backfilling and revegetating any pits to blend in with the surrounding land surface;
 - F. Safeguarding mine entries, trenches and excavations from unauthorized entry at all times;
 - G. Disposal of any trash, scrap metal, wood, machinery, and buildings;
 - H. Control of noxious weeds within the area affected by the prospector
- 3. The prospecting operations shall be conducted in such a manner as to comply with all applicable local, state and federal laws and regulations including applicable state and federal air and water quality laws and regulations.
 - 4. The prospecting operations shall be conducted so as to minimize adverse effects upon wildlife to include covering of open drill holes until properly plugged.
 - 5. During the prospecting operations, the operator will perform the necessary stabilization and reclamation work to ensure those areas affected by prospecting activities are erosionally and geotechnically stable.
 - 6. All prospecting operations shall be in compliance with the Colorado Mined Land Reclamation Act, as amended (34-32-101 et seq. C.R.S.), and all rules and regulations currently in effect or promulgated pursuant thereto. See 2 CCR 407-1, Mined Land Reclamation Board Hardrock /Metal Mining Rules.

VI. ADDITIONAL TERMS AND CONDITIONS FOR PROSPECTING ON BLM/USFS LANDS

- 4. The prospector will supply a copy of this NOI to the appropriate BLM and/or USFS office.
- 5. The prospector authorizes the MLRB to discuss the information in this Notice of Intent with the BLM and/or USFS.
- 6. If on BLM land, the prospector will complete reclamation to the standards described in 43 CFR 3809.1-3 (d) and implement reasonable measures to prevent unnecessary or undue degradation of lands during operations.

VII. FINANCIAL WARRANTY

A financial warranty must be provided for the cost of reclamation of the disturbance described in this Notice. The prospector can either file a "One Site Prospecting Financial Warranty" or a "Statewide Financial Warranty." **The financial warranty must be submitted and approved by the Division prior to entry upon lands for the purpose of prospecting.**

An One-Site Prospecting Financial Warranty is usually filed by individuals or companies where prospecting activities are limited to a single area. It must be filed in the amount of \$2,000 per acre for land to be disturbed, or such other amount as determined by the Division, based on the projected costs of reclamation. A Statewide Financial Warranty is usually filed by companies with multiple prospecting sites. It must be filed in an amount equal to the estimated cost of reclamation per acre of affected land for all anticipated sites statewide. (You may increase the Statewide bond at any time in order to cover additional or expanded prospecting activities.)

VIII. SIGNATURE REQUIREMENT

Please place your initials on the line provided:



I hereby verify that the foregoing information is true and accurate and commit to the reclamation of the aforementioned prospecting site as required by the Colorado Mined Reclamation Act and the rules as specified in the Hard Rock/Metal Mining Rules and Regulations and this NOI form.



I have enclosed the required permit fee.



I authorize the Division to contact and copy the BLM and/or USFS on any correspondence related to the prospecting operation, if the prospecting operation is located on federal public land.



I have also enclosed the appropriate reclamation surety amount or will post an amount as determined by the office, based on the projected costs of reclamation.



I understand that I am not authorized to create any surface disturbance until the surety amount is posted and approved in writing from the Division of Reclamation, Mining and Safety.



I accept and agree to comply with the foregoing terms and conditions and with all of the provisions of Rules 3 and 5, and C.R.S. 34-32-101.



I hereby certify that concurrent with submittal of this NOI to the Division, I have sent notice to the Boards of County Commissioners in the Counties where the proposed activities will occur. This notice also indicated that non-confidential information regarding the proposed activities will be available for review at the Division's website.

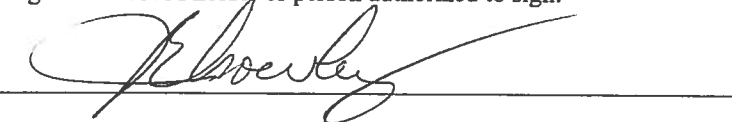
This form has been approved by the Mined Land Reclamation Board pursuant to section 34-32-113, C.R.S., of the Mined Land Reclamation Act. Any alteration or modification of this form shall result in voiding any NOI issued on the altered or modified form and subject the operator to cease and desist orders and civil penalties for operating without a NOI pursuant to section 34-32-123, C.R.S.

I, the undersigned, being the NOI holder or the person authorized to sign on behalf of the NOI holder, declare that the information given in this NOI form is true and correct.

SIGNATURES MUST BE IN BLUE INK

Signed and dated this 28th day of December 2016,

Signature of NOI holder or person authorized to sign:



Name (typed or print) JOHN CROWLEY

Title/Position: Geologist