

STATE OF
COLORADO

Cazier - DNR, Tim <tim.cazier@state.co.us>

NOI - Taylor-Boyer - Usuran Resources

1 message

Alan Roberts <alan.roberts@okapiresources.com>
To: Tim Cazier <tim.cazier@state.co.us>
Cc: Ben Vallerine <ben.vallerine@okapiresources.com>

Tue, Nov 23, 2021 at 12:06 PM

Good afternoon,

Please see the attached "electronic filing" for the NOI mailed to you last week – there have been a couple of minor revisions to the document since I mailed it to you. Our environmental consultant for this project pointed out some deficiencies. Please let me know if I need to mail you a revised copy.

Sincerely, Alan.

Alan A. Roberts

North American Manager



A new leader in North American carbon-free nuclear energy

E: alan.roberts@okapiresources.com | T: +1 307 256 8930 | W: www.okapiresources.com

2 attachments

Notice of Intent to Conduct Prospecting 20211122.pdf
1891K



NOI Cover letter Nov21 20211117.pdf
1392K

State of Colorado
Division of Reclamation, Mining and Safety
1313 Sherman St., Room 215
Denver, Colorado, 80203

17th November 2021

Attention: Tim Cazier

Re: Notice of Intent to Conduct Prospecting Operations for Hard Rock/Metal Mines

Tim,

On behalf of Usuran Resource Limited (the Company) we would like to apply for a Notice of Intent to Conduct Prospecting Operations (NOI). We have included this cover letter in support of the application in order to cover more detailed responses to parts of the application. If the Company can acquire all of the required permits, we aim to commence drilling in early to mid-2022. The company will also be required to go through the permitting process with Fremont County and is therefore requesting the approval for sufficient drill holes to cover an extended program should initial results prove successful.

The Company has Mineral Leases with two private landholders in the district; the land where all exploration is proposed is entirely within private surface and mineral estates, the Company has no unpatented mining claims within this NOI application area (see attached map: Proposed Drilling Area). Therefore, the Company believes there is no requirement to contact BLM, USFS or other Federal agencies.

The majority of the proposed drilling area is on land with private mineral rights however, there is some split estate land; the BLM owns these mineral rights and the lessee's with whom Usuran has the lease agreements own the surface, the Company does not own any mining claims in the area so will not be drilling in these areas.

The company intends to review the entire area as part of this prospecting operation and these activities will be restricted to surface mapping and sampling. Drilling will be largely restricted to areas where previous drilling occurred, that is the central part of the property (see attached map: Proposed Drilling Area). The Company is currently planning to drill approximately 60 holes in the area over the next 4 years mainly proximal to where the historical drilling was carried out in the 1970's and 2000's, the area has an excellent network of existing tracks and open grassy paddock and will require very little new tracks.

As per our phone discussion today (17th November, 2021) the final locations of the drill holes to be undertaken has not been determined. The attached map shows the concentration of historic drilling and the general area in which we will drill; operations are likely to be conducted in areas that correspond to those that have the highest density

of historic drilling. As we discussed, the targets for drilling are preserved braided stream channel sediments that vary in orientation and thickness, this means that drilling is an iterative process and the result from a single drill hole may redirect further drilling to other locations. However, this will have no effect on the overall level of disturbance as noted in the attached application.

As per the requirements proof of the Mining Lease's covering the proposed area of Prospecting in the form of a Memorandum of Mining Agreement with both the Taylor's and Boyer Family Ranch LLC. These documents have recently been recorded with the County.

The company's calculations indicate the total area to be disturbed will be considerably less than 4.68 acres (see body of NOI for calculations) in total. Therefore, by using the DRMS' figures of \$2,000 per acre of disturbed land the company proposes a bond of \$9,360. The company will await comment from DRMS' before submitting this financial warranty, however, the filing fee of \$86 is included.

5. Location Information

Township 16 South, Range 73 West 6th Principal Meridian

Section 32: W2SW, SESW
Section 33: S2
Section 34: S2, S2NE
Section 35: N2N2SW, S2S2SW, W2NE, N2SE

Township 17 South, Range 73 West 6th Principal Meridian

Section 2: N2N2
Section 3: All
Section 4: All
Section 5: All
Section 6: All
Section 7: All
Section 8: All
Section 9: N2, SW, W2SE
Section 10: NWNE, N2NW, SWNW
Section 17: N2, NESE
Section 18: N2, N2S2, SWSE

Township 50 North, Range 12 East New Mexico Principal Meridian

Section 11: Lots 1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13
Section 14: Government Tract 40 (40-A, 40-B, 40-C, 40-D, 40-E, 40-F, 40-G)
Lots 1, 2, 3, 4, 5, 6, 7, 8
Section 23/24: Government Resurvey Tracts 86A, 86B & 86C

IV Operation and Reclamation Measures

1. The Applicant will endeavor to take adequate photos pre-prospecting and post reclamation to show the reclamation efforts.
2. The lands where the Prospecting activities are proposed is within 2 large ranches covering approximately 7,500 acres of private land. The lands consist of rolling grassy hills, to lightly wooded lands dominated by deciduous trees through to more heavily wooded and steep mountainous areas. The three photos below were taken in June 2007 all from the same location, an elevated platform fairly central to the combined properties, these photos show the main landforms in the area, fairly typical of Front Range location are from the authors collection from his time working on the property.



Photo 1. Looking west-northwest towards Waugh Mountain, the Noah deposit is in the clearing central to the photo.



Photo 2. Looking North with the Norwest Taylor Deposit central to the photo.



Photo 3. Looking south-southeast towards the Boyer deposit

IV. Operation and Reclamation Measures

1. The Company will endeavor to keep a complete photo record of pre-prospecting and post-prospecting condition for each drill pad
2. The NOI covers a very large area and the native vegetation is quite variable across the Project, with significant elevation and geomorphology changes also. I have attached a series of photographs used in support of NOI's for drilling in 2006. The area has not changed at all.
3. The photo below shows the owner of the property conducting the re-seeding on behalf of a previous prospector. The topsoil has been re-spread over the pad and the seeding is done use a mechanized seed drill.



Drill Pad immediately after completion of drilling



Drill Pad during final stages of reclamation, seed drill pictures



Drill Pad fully reclaimed after multiple seasons



Drill Pad after full reclamation and multiple growing seasons (pad was partially on road)

Yours Sincerely

Alan Roberts
North American Manager
Usuran Resources



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

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** (Please reference the file number assigned to this operation) **NOI # P-** -
- ☒ **New NOI**
- ☐ **Modification** to an Existing NOI (Provide for Modifications to an existing NOI) **NOI# P-** -

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: Tallahassee Project

3. PROSPECTOR:

Ben Vallerine

Name

Consultant

Title

Usuran Resources Inc

Company Name

PERSON MLRB SHOULD CONTACT:

Alan Roberts

Name

North American Manager

Title

Usuran Resources Inc

Company Name



242 Linden Street

Street

P.O. Box

Fort Collins, CO, 80524

City, State, Zip

(720) 258-6329

Telephone

()

Fax

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

5.

LOCATION INFORMATION:

County:

Principal Meridian (check one):

☐

6th (Colorado)

☐

10th

(New Mexico)

☐

Ute

Section (write number)

TOWNSHIP

N

S

RANGE

E

W

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:

Lat: _____ X: _____

Long: _____ Y: _____

6. 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

7. 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.

A. CLAIMANT:

Name N/A

Address _____

City, State, Zip _____

Telephone ()

Fax ()

B. 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).

NAME	SERIAL NUMBER	LEGAL DESCRIPTION

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

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

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

Agency	N/A
Address	
City, State, Zip	
Telephone	()

F. 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

An 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:

1. 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
2. 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

1. Mineral(s) and/or Resource(s) being Investigated:

Uranium

2. Estimated dates of commencement and completion:

Commencement:	3	/	1	/	2022
Completion	12	/	31	/	2027
3. Amount of material (specify units) to be extracted, moved or proposed to be moved:

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

- | | | |
|------------------------------------------------|--------------------------------------------------|----------------------------------------------------|
| <input type="checkbox"/> Cuts | <input checked="" type="checkbox"/> Pits | <input type="checkbox"/> Trenches |
| <input type="checkbox"/> Shafts | <input type="checkbox"/> Tunnels | <input type="checkbox"/> Adits |
| <input type="checkbox"/> Declines | <input checked="" type="checkbox"/> Air Drilling | <input checked="" type="checkbox"/> Fluid Drilling |
| <input type="checkbox"/> Drilling and Blasting | | |

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

Minimal roads will be constructed, most likely limited two-tracks over grassy fields, minor track construction. Well maintained gravel roads provide access to a large portion of the proposed Prospecting Area. A maximum of 60 drill pads will be constructed, mostly limited to slight levelling with a back hoe or bulldozer. Along side every drill pad a mud pit will be constructed to containing drilling fluids.

6. 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	<u>60</u>	Average Width (ft)	<u>40</u>	Average Length (ft)	<u>70</u>
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B. Drill Holes:

Quantity	<u>60</u>	Depth (ft)	<u>1000 (avg)</u>	Diameter (in)	<u>5</u>
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C. Mud Pits

Quantity	<u>60</u>	Average Width (ft)	<u>6</u>	Average Length (ft)	<u>6</u>	Average Depth (ft)	<u>4</u>
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- D. 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:

None

E. Other Disturbances (please describe)

None

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

Drilling muds, hole abandonment material (bentonite and cement) and loss circulation materials. No diesel will be stored on-site, it will be transported from Canon City in a CDOT certified vehicle and will remain in that vehicle and pumped into the drill rig as required. There will be small quantities of drilling and engine oil, grease and other fluids used to maintain onsite equipment as needed; they will be stored appropriately onsite.

G. New Roads:

Length (ft): 3000 Width (ft): 12

Significantly

Upgraded Roads

Length (ft): _____ Width (ft): _____

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

No. unlikely to be necessary. Some already in place on private and public access roads

H. Total project area to be disturbed (acres) 4.68 acres (if all holes drilled)

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

Surface air/mud rotary drill rig and/or diamond core drill rig as well as ancillary air compressor(s), water truck, pipe truck, backhoe, grader, bulldozer, trackhoe, seed drill, pick-up truck(s), light plant(s), small generator(s), haul truck for delivering / removing off-road equipment

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

No structures to be constructed.

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

North Tallahassee and Squaw Creeks runs through the exploration area but the Company commits not to drill within 200 feet of these creeks. Aquifers will be encountered in each hole with the abandonment procedures described below.

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.

See Attached

3. 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:

Topsoil in the NOI area is estimated to be 40-60 cm thick.

If leveling of pads is necessary topsoil will be stockpiled for

replacement during reclamation to ensure re-establishment of vegetation.

One of the ranch owners will most likely be responsible for the reclamation.

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

Each drill hole will be abandoned in accordance with rule 5.4.2. As all drillholes are expected to encounter an aquifer, the holes will be sealed in a manner far exceeding the minimum requirements described by the Colorado State Mineral Rules and Regulations Rule 5. We will cement the bottom 70% of each hole or to the top of the mineralized geological units which ever is of greater thickness. Above the cemented portion "Baroid Shur-gel" or equivalent bentonite material design for bore hole abandonment, will be inserted and filled the remaining volume. A surface cap of cement will be placed in the hole to a depth of 5-40 feet. Each cement cap will be accompanied by metal washer. The washer will be stamped with the drill hole number and left at the surface for later identification.

5. 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.

N/A

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

Road disturbances will most likely be confined to two track paths in grassy fields, which ~~will be reseeded upon completion of the drill program. In the event of road construction,~~ upon completion of the drill program all roads will be re-contoured to best match the original topography, ripped and reseeded.

7. 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. Plant name and seeding rate:

Plant Name	Seeding Rate (PLS/Acre)
Western Wheatgrass	2.80
Steambank Wheatgrass	0.80
Blue Grama	0.10
Sicleoats Grass	0.50
Green Needle Grass	1.80
Mountain Mahogany (where necessary)	0.10

Note: The Ranch owner completes the rehabilitation and purchases the seed locally, and may vary this mix for his specific purpose

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

Once drill pads and any sumps are backfilled they will be re-contoured and ripped to prevent erosion. Then seed will be planted using a specialist machine that is pulled behind a tractor and injects the seed into the ground.

Photo of seeder (see attached letter)

V. TERMS AND CONDITIONS FOR PROSPECTING OPERATIONS:

1. Reclamation measures shall be fulfilled in a timely manner and completed within five (5) years of completion of prospecting activities.
2. 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

1. The prospector will supply a copy of this NOI to the appropriate BLM and/or USFS office.
2. The prospector authorizes the MLRB to discuss the information in this Notice of Intent with the BLM and/or USFS.
3. 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.**

A 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:

 AAR 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.

 AAR I have enclosed the required permit fee.

 AAR 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.

 AAR 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.

 AAR 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.

 AAR 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.

 AAR 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 17 day of November, 2021
(date) (month) (year)

Signature of NOI holder or person authorized to sign: 

Name (typed or printed): Alan A. Roberts

Title/Position: North American Manager

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30 Aug 2017