



RECEIVED  
MAR 21 2025  
MINERALS & MINING PROGRAM

17 March 2025

Roberta Hudson  
Engineering Manager 1  
South Dakota Department of Agriculture and Natural Resources  
Minerals and Mining Program  
Joe Foss Building  
523 East Capitol Avenue  
Pierre, South Dakota, 57501

**RE: Lion Rock Resources Inc. Volney Exploration Notice of Intent**

Dear Ms. Hudson,

Lion Rock Resources (SD) Inc. herein submits on behalf of Lion Rock Resources Inc. this Exploration Notice of Intent (EXNI) for its Volney Exploratory Drill Program. The program comprises exploration test hole drilling from exploration drill pads constructed exclusively on private land within Lawrence County.

Included in this EXNI are the following:

- Notice of Intent to Conduct Mineral Exploration Operation Application Form,
- A plan of reclamation pursuant to Section 8,
- A topographic map pursuant to Section 9,
- A fee of \$250 pursuant to Section 17 in the form of a check,
- A Certificate of Good Standing from the SD Secretary of State Office, and
- Landowner Ownership documentation (Confidential).

Lion Rock Resources (SD) Inc. / Lion Rock Resources Inc. is committed to working with DANR and meeting or exceeding all statutes and regulations. Should you have any questions or comments, please contact Jeffrey Hrcir at (605) 786-5679, or [jeff@rsdcapital.com](mailto:jeff@rsdcapital.com)

Best regards,

A handwritten signature in dark ink, appearing to read "Jeffrey Hrcir", with a long horizontal flourish extending to the right.

Jeffrey Hrcir  
Chief Geologist

Attachment: Complete EXNI Application Package  
Enclosures: Check No. 132 for \$250

+1 605 786 5679

[jeff@rsdcapital.com](mailto:jeff@rsdcapital.com)  
[www.lionrockresources.com](http://www.lionrockresources.com)

Sturgis Office  
912 Main Street  
Sturgis, South Dakota  
57785, USA

Vancouver Office  
1680-200 Burrard Street  
Vancouver, BC  
V6C 3L6, Canada

Department of Agriculture and Natural Resources  
Minerals, Mining, & Superfund Program  
523 East Capitol Avenue  
Pierre, South Dakota 57501-3182  
605 773-4201; Fax: 605 773-5286

RECEIVED NOTICE OF INTENT TO CONDUCT  
MINERAL EXPLORATION OPERATION  
(Excluding Uranium)

MAR 21 2025

MINERALS & MINING PROGRAM

Pursuant to SDCL 45-6C

PAID

MAR 20 2025

Ck# \_\_\_\_\_

Operator's name: Lion Rock Resources (SD) Inc.

Mailing Address: 912 Main Street  
Sturgis, SD 57785

Telephone: 605.786.5679 Rec't# 8850

Resident agent (if out-of-state corporation):

Resident agent address:

Telephone:

Legal description of area to be explored by Section, Township, and Range:

Portions of Sections 19, 30  
Township 5 North, Range 1 East  
Black Hills Meridian

County:

Give a brief description of the type of exploration to be conducted. Include a list of all minerals to be explored and a description of methods (e.g. drill rig type, number of holes to be drilled, number of drill pads to be constructed, proposed depth for each test hole, length of existing access roads and/or new access road construction).

Lion Rock Resources will explore for potential hardrock lithium and gold deposits within the proposed project area, located on private patented lands. Exploration test hole drilling will be completed using skid-mounted diamond core drilling methods/drill rigs. The likely drill will be a Drillco MDS 1500 clean-tech advanced technology drill. The project would include up to 78 exploration test hole drill pad sites (drill pads) on both previously disturbed lands that include existing roads and/or trails, areas disturbed by construction and logging activities and disturbed lands accessed by proposed new exploration drill trails in the project area. The drill pads that are constructed will measure approximately 100 feet x 100 feet, occupying approximately 0.23 acres each, for a total of 17.94 acres. There are approximately 469 linear feet of new access trail development proposed as part of this project on previously undisturbed lands totaling approximately 0.11 acres. Existing roads and trails (approximately 34,200 linear feet) within the project area would be utilized for access to the proposed exploration drill pad locations. Exploration test hole drilling from these 78 drill pads will be drilled mostly azimuth, although some vertical drilling may occur, and up to a depth of approximately 4,000 feet in vertical depth, with the possibility of multiple (up to a maximum of 8) exploration test holes from each drill pad. The amount of drilling will depend on project results. The preferred core diameter for drilling will be NQ (1.88 inches or 47.6 mm). The project will utilize a staging area, approximately 0.75 acres in size to store equipment and tools that will be located in a graded area disturbed by previous construction activities.

Date exploration will commence: Immediately following approval of this EXNI.

What legal authority does the operator have to conduct exploration on the above-described land? Include a copy if available.

Deed  Lease  US Forest Service Permit  Pending US Forest Service Permit  Other

Will the operator conduct uranium exploration?  Yes  No If yes, a permit pursuant to SDCL 45-6D must be obtained.

**INSTRUCTIONS:**

Please reference SDCL 45-6C. This Notice of Intent must be accompanied by:

1. A plan of reclamation pursuant to Section 8.
2. A topographic map pursuant to Section 9.
3. A fee of \$250 payable to the Department of Agriculture and Natural Resources pursuant to Section 17.
4. A surety in an amount to be determined by the department pursuant to Section 19.
5. Any written landowner consultations giving alternative preferences for the reclamation of the affected land pursuant to Section 16.
6. A Certificate of Notification and Negotiation with Surface Owner/Surface Lessee form if surface and mineral interests are severed.

Applicant affirms that the surface owner has been notified of the proposed mineral development and that said surface owner is aware of his rights to compensation for damages to property pursuant to SDCL 45-5A. Applicant hereby affirms that the mineral exploration will be conducted pursuant and subject to the provisions of SDCL 45-6C, and all regulations promulgated thereunder, that he will grant access to the SD Board of Minerals and Environment or its agents to the area under notice from the date of the notice and thereafter to assure compliance with the provisions of SDCL 45-6C.

*I declare and affirm under the penalties of perjury that this claim (petition, application, information) has been examined by me, and to the best of my knowledge and belief, is in all things true and correct.*

Signature Jeffrey Hrcncir  
 Title: Exploration Manager

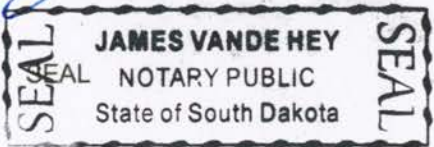
Date: March 17, 2025

STATE OF South Dakota  
 COUNTY OF Lawrence

On this 17 day of March, 2025, before me personally appeared Jeffrey Hrcncir, who acknowledged himself to be the Exploration Manager (Title) for Lion Rock Resources (SD) Inc. and that he is authorized to execute the Notice of Intent for the purposes contained therein. (Operator)

[Signature]  
 Notary Public

My Commission Expires: March 14, 2030



**FOR DEPARTMENT USE ONLY**

DATE APPROVED: \_\_\_\_\_ BOND AMOUNT: \_\_\_\_\_ EXNI NUMBER: \_\_\_\_\_  
 \_\_\_\_\_  
 Chairman, SD Board of Minerals & Environment

RECEIVED

MAR 21 2025

STATE OF SOUTH DAKOTA

BEFORE THE SECRETARY OF

THE DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES

IN THE MATTER OF THE )  
APPLICATION OF )

Lion Rock Resources (SD) Inc. )

STATE OF South Dakota )

COUNTY OF Lawrence )

CERTIFICATION OF  
APPLICANT

I, Jeffrey Hrnrcir, the applicant in the above matter after being duly sworn upon oath hereby certify the following information in regard to this application:

I have read and understand South Dakota Codified Law Section 1-41-20 which provides:

*"The secretary may reject an application for any permit filed pursuant to Titles 34A or 45, including any application by any concentrated swine feeding operation for authorization to operate under a general permit, upon making a specific finding that:*

*(1) The applicant is unsuited or unqualified to perform the obligations of a permit holder based upon a finding that the applicant, any officer, director, partner, or resident general manager of the facility for which application has been made:*

- (a) Has intentionally misrepresented a material fact in applying for a permit;*
- (b) Has been convicted of a felony or other crime involving moral turpitude;*
- (c) Has habitually and intentionally violated environmental laws of any state or the United States which have caused significant and material environmental damage;*
- (d) Has had any permit revoked under the environmental laws of any state or the United States; or*
- (e) Has otherwise demonstrated through clear and convincing evidence of previous actions that the applicant lacks the necessary good character and competency to reliably carry out the obligations imposed by law upon the permit holder; or*

*(2) The application substantially duplicates an application by the same applicant denied within the past five years which denial has not been reversed by a court of competent jurisdiction. Nothing in this subdivision may be construed to prohibit an applicant from submitting a new application for a permit previously denied, if the new application represents a good faith attempt by the applicant to correct the deficiencies that served as the basis for the denial in the original application.*

*All applications filed pursuant to Titles 34A and 45 shall include a certification, sworn to under oath and signed by the applicant, that he is not disqualified by reason of this section from obtaining a permit. In the absence of evidence to the contrary, that certification shall constitute a prima facie showing of the suitability and qualification of the applicant. If at any point in the application review, recommendation or hearing process, the secretary finds the applicant has intentionally made any material misrepresentation of fact in regard to this certification,*

consideration of the application may be suspended and the application may be rejected as provided for under this section.

Applications rejected pursuant to this section constitute final agency action upon that application and may be appealed to circuit court as provided for under chapter 1-26."

I certify pursuant to 1-41-20, that as an applicant, officer, director, partner, or resident general manager of the activity or facility for which the application has been made that I; a) have not intentionally misrepresented a material fact in applying for a permit; b) have not been convicted of a felony or other crime of moral turpitude; c) have not habitually and intentionally violated environmental laws of any state or the United States which have caused significant and material environmental damage; (d) have not had any permit revoked under the environmental laws of any state or the United States; or e) have not otherwise demonstrated through clear and convincing evidence of previous actions that I lack the necessary good character and competency to reliably carry out the obligations imposed by law upon me. I also certify that this application does not substantially duplicate an application by the same applicant denied within the past five years which denial has not been reversed by a court of competent jurisdiction. Further;

"I declare and affirm under the penalties of perjury that this claim (petition, application, information) has been examined by me, and to the best of my knowledge and belief, is in all things true and correct."

Dated this 17 day of March, 2025.

Applicant (print) Jeffrey Hrncir

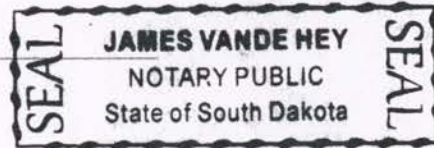
Applicant (signature) *Jeffrey Hrncir*

Subscribed and sworn before me this 17 day of March, 2025.

Notary Public (signature) *[Signature]*

My commission expires: My Commission Expires March 14, 2030

(SEAL)



PLEASE ATTACH ANY ADDITIONAL INFORMATION NECESSARY TO DISCLOSE ALL FACTS AND DOCUMENTS PERTAINING TO SDCL 1-41-20 (1) (a) THROUGH (e). ALL VIOLATIONS MUST BE DISCLOSED, BUT WILL NOT AUTOMATICALLY RESULT IN THE REJECTION OF AN APPLICATION



## South Dakota Secretary of State

Monae L. Johnson  
Secretary of State

Thomas J. Deadrick  
Deputy Secretary of State

**JEFFREY HRNCIR**  
1803 MOON MEADOWS DR  
APT #635  
RAPID CITY, SD 57702

February 26, 2025

**Request Type: Certificate of Good Standing/Authorization**  
Request #: 0178261

Issuance Date: 02/26/2025  
Copies Requested: 1

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### Document Receipt

Receipt #: 002602907

Filing Fee: \$20.00

Payment-Credit Card - JEFFREY HRNCIR, RAPID CITY, SD #: 0207849332

\$20.00

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**Regarding: Lion Rock Resources (SD) Inc.**

Filing Type: Domestic Business Corporation

Business ID: DB292924

Formation/Qualification Date: 02/10/2025

Date Formed:

Status: Good Standing

Formation Locale: South Dakota

Duration Term: Perpetual

Inactive Date:

Business County:

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# State of South Dakota

Office of the Secretary of State

## Certificate of Good Standing

Domestic Business Corporation

I, **Monae L. Johnson**, Secretary of State of the State of South Dakota, hereby certify that

**Lion Rock Resources (SD) Inc.**

Business ID: DB292924

was authorized to transact business in this state on: February 10, 2025.

I, further certify that **Lion Rock Resources (SD) Inc.** has complied with the laws of this State relative to the formation of Certificate of Good Standing/Authorizations of its kind and is now regularly and properly organized and existing under the laws of this State and is in Good Standing, as shown by the records of this office. This certificate is not to be construed as an endorsement, recommendation or notice of approval of its financial condition or business activities and practices. Such information is not available from this office.



IN TESTIMONY WHEREOF, I have hereunto set my hand and caused to be affixed the Great Seal of the State of South Dakota, in Pierre, the Capital City, this day, February 26, 2025.

*Monae L. Johnson*

**Monae L. Johnson**  
Secretary of State

02/26/2025 9:34 PM

Verification #: 018448433



Department of Agriculture and Natural Resources  
Minerals, Mining, & Superfund Program  
523 East Capitol Avenue  
Pierre, South Dakota 57501-3182  
605 773-4201; Fax: 605 773-5286

RECEIVED  
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EXPLORATION RECLAMATION PLAN

Pursuant to SDCL 45-6C-8 and 45-6D-9

In preparing this reclamation plan, please address each item in detail, referencing SDCL 45-6C-8 and 45-6D-9. Please refer to the reclamation standards outlined in SDCL 45-6C-27 through 45-6C-34, SDCL 45-6D-33 through 45-6D-39, and the state's hole plugging regulations as detailed in ARSD 74:11.

1. Describe the type of reclamation the operator proposes to achieve in the reclamation of the affected land.

Lion Rock Resources and all associated contractors in the exploration drilling program will strive to minimize any surficial impacts caused by the program. The majority of proposed exploration drill platform locations are located in areas previously disturbed by construction, logging, ranching and other activities. At proposed drilling platform locations in undisturbed areas, operations would include the removal of existing topsoil (where necessary), stockpiling and reshaping, and interim reseeding of the topsoil. Such stockpiles would be utilized for future reclamation of the platform site. Topsoil stockpiles would be created in areas without potential runoff and clearly marked. In certain circumstances where erosion of the topsoil stockpile may occur in areas of high slopes, the collected topsoil may be covered. Best management practices (BMP's) would be implemented in newly disturbed areas for potential erosion control and sedimentation pursuant to SDCL 45-6C-32, including the installation of wattles, straw bales, berms, etc. Exploration drill pad sumps would be located on the uphill side of the exploration drill pad where feasible and construction will include installation of a sump liner system to retain liquids at the drill pad location. Safety fencing will be installed around the sumps for safety purposes of working personnel and prevention of wildlife from entering the sumps. As a precautionary measure, means will be implemented in the sump to allow any wildlife to exit the sump if needed. Areas where exploration drill pads (up to 78 totaling approximately 17.94 acres) and new exploration drill trails (up to 469 feet totaling approximately 0.11 acre) are constructed would be reclaimed following completion of exploration drilling activities. For exploration drilling activities on existing roads and motorized trails totaling up to 34,200 feet covering approximately 7.85 acres, no reclamation activities would occur. Areas of new disturbance would be regraded and recontoured to original conditions as necessary. Sump liners would be folded in place and punctured and the entire sump area backfilled with native materials, ensuring burial of drill solids. Following these activities, stockpiled topsoil will be placed over the entire drill pad site and seeded with the recommended reclamation seed mixture. Once the exploration drill pads are reclaimed, the area of the exploration access trails would then be reclaimed. Overly compacted areas at the exploration drill platforms, turnarounds, and temporary exploration access trails not located on a pre-existing roadbed will be roughed up mechanically to minimize future erosion of restored topsoil and enhance seeding viability. Reclamation of one site would be conducted concurrent with drilling activities at a different site. Reclamation activities such as regrading and seeding may be dependent on weather conditions, particularly during wetter and/or winter months to eliminate the potential for excessive rutting on access roads. Any sustained seasonal closure of a work site will be preceded by stabilization designed to prevent unintended erosion when the site is not in use.

2. Provide a proposed timetable for seeding and replanting indicating when and how the reclamation plan will be implemented. Such timetable shall be developed in consultation with the County District Conservationist as to the nature of the soils and native vegetation in the area of the proposed operation. These recommendations shall be followed, if any are provided, and copies of all correspondence shall be provided to the Department.

All reclamation processes, seed mixtures, seasonal constraints and suggestions, timing and guidance will be based on the best practices outlined in South Dakota NRCS Conservation Practice Standards, Critical Area Planting Code 342 and local NRCS requirements and recommendations, per 45-6C-16, as well as consultation with the surface owners of the property being explored. Reclamation reseeding will take place after recontouring and regrading of disturbed areas is completed and any stockpiled topsoil has been returned to the site. Seedings would be performed using effective seeding methods (such as a grass seed broadcaster) on a clean, smooth weed-free seedbed during the fall and/or early spring, but not to exceed six months after termination of reclamation activities. Lion Rock would control noxious weed growth on newly disturbed areas

impacted by exploration activities throughout operations of the project and for a period of one year post-reclamation. Weeds would be clipped and/or sprayed by a licensed applicator to ensure they do not outcompete the desired seeding. Work vehicles that access drill sites will be periodically cleaned to prevent noxious weed spread. If mulches are used, they will be certified as noxious weed-free. All straw wattles used to reduce soil erosion during exploration activities would be composed of certified weed-free straw. Additional reseeding would be performed in the reclaimed sites if the initial reclamation is not successful. The seed mixture to be utilized consists of local native species and was developed in consultation with the local Natural Resources Conservation Service (NRCS) office. Consultation with NRCS was completed between 2/10 and 2/21/2025 for this project. A copy of the recommended reclamation seed mixture by the local NRCS office is attached to this EXNI.

3. Describe how the reclamation plan will rehabilitate the affected land.

The goal of the reclamation plan is to rehabilitate and restore the affected lands to natural woodland grazing habitat. Planting native grass will protect the restored topsoil and prevent erosion. Grass, forb, shrub and subshrub species will develop into communities as reclamation matures and will enhance woodland grazing for wildlife. Additionally, the noxious weed control measures performed across the property during exploration activities will benefit the affected lands.

4. Describe the anticipated temporary and permanent plugging and capping procedures to be used. Please refer to SDCL 45-6C-28 through 45-6C-30, SDCL 45-6D-33 through 45-6D-35, and the state's hole plugging regulations as detailed in ARSD 74:11.

At a minimum, Lion Rock commits to abiding by all current South Dakota state laws and statutes concerning drill hole plugging and abandonment. All exploration drill holes will be plugged in accordance with Administrative Rules of South Dakota (ARSD) 74:11:08 and South Dakota Codified Law (SDCL) 45-6C-28 through 45-6C-30. The drill holes will penetrate the Precambrian rock units, which are water-bearing units and known aquifers in the Black Hills. If an aquifer is penetrated, the exploration drill holes will be plugged from bottom to top using bentonite grout as required by ARSD 74:11:08:05 and ARSD 74:11:08:05:01. In the event that a confined aquifer is penetrated, the weight of the bentonite grout column would be sufficient to overcome formation pressure, and if not, will be plugged using cement grout. The planned drill collar locations are higher than the static water level to be encountered in the drill holes, therefore it is not anticipated that natural artesian discharge will be encountered. Records regarding aquifers encountered during drilling and the subsequent plugging measures adopted would be retained for each exploration hole and would be provided to DANR upon request. All exploration drill holes will be plugged immediately upon completion while the drill rig is still on the exploration drill pad. Verbal notification will be given to DANR personnel upon completion of each drill hole so that inspection of plugging procedures may occur, if necessary. If a drill hole needs to remain temporarily open, a temporary surface plug will be emplaced. In the event that a drill hole needs to remain open for more than 30 days for additional geological or geotechnical work, Lion Rock will apply for an alternate plugging schedule to temporarily keep the hole open.

5. Provide the estimated cost of implementing and completing the proposed reclamation, and, the estimated cost of plugging and sealing each test hole.

Lion Rock will reclaim, recontour and reseed disturbance to any drill sites or access trails as described above as well as budget for longer term monitoring and noxious weed control measures. Costs of plugging and sealing each test hole are estimated to be approximately \$9/ft with an additional \$1,000 per exploration drill pad for reclamation and monitoring. Reclamation of exploration access roads and trails is expected to cost approximately \$7,000 per linear mile. Lion Rock will post a statewide surety bond of \$100,000 with the State of South Dakota in lieu of drill program specific surety bonds in accordance with SDCL 45-6C-19.

***I declare and affirm under the penalties of perjury that this claim (petition, application, information) has been examined by me, and to the best of my knowledge and belief, is in all things true and correct.***

Date: March 17, 2025

Signature \_\_\_\_\_

Title: Exploration Manager



# Consultation for Reclamation Plan on EXNI Application for Lion Rock Resources label x



**Jeff Hrcir** <jeffhrcir@gmail.com>  
to andrea.westlake

Mon, Feb 10, 9:32 AM (11 days ago) ☆ 😊 ↶ ⋮

Good morning Andrea,

My name is Jeff Hrcir and I am the chief geologist for a mineral exploration company called Lion Rock Resources. Lion Rock is preparing an Exploration Notice of Intent (EXNI) application with the South Dakota Department of Agriculture and Natural Resources (DANR). This application will be submitted in the very near future for the company's Volney Project located at Tinton, South Dakota in the northern Black Hills.

Lion Rock is requesting consultation on a recommended seed mixture to be utilized under the reclamation plan that will be submitted as part of the EXNI application, per SDCL 45-6C-8(2).

Please let me know what items you require to review and assist in the consultation process and please include anyone else in the email chain that needs to be involved. I wasn't sure where to start! Thank you in advance.

Best regards,  
Jeff Hrcir



**Westlake, Andrea - FPAC-NRCS, SD**  
to me

Thu, Feb 20, 9:31 AM (3 days ago) ☆ 😊 ↶ ⋮

Hi Jeff,

Attached is the seeding recommendation for the reclamation area. I have also included recommended guidance on reclamation seedings.

If you have any questions, feel free to contact me.

\*\*\*

## 2 Attachments • Scanned by Gmail

