

MAILING ADDRESS: P.O. Box 440 RAPID CITY, SD 57709-0440 PH. 605-342-7224
PHYSICAL ADDRESS: 3401 UNIVERSAL DR. RAPID CITY, SD 57702 Fx. 605-342-6979

RECEIVED
AUG 15 2023
MINERALS & MINING PROGRAM

& Sons, Inc.

August 8, 2023

SD DANR
Minerals and Mining Program
523 East Capitol, Joe Foss Building
Pierre, SD 57501-3182

RE: Pete Lien & Sons, Inc., Notice of Intent to Conduct Mineral Exploration, Nemo Claims and Nemo Mine Site

Please find the enclosed application to conduct mineral exploration within South Dakota. Check number 9539, for \$250 has been included in this packet as part of the application process.

This project involves exploration for iron-bearing minerals within Pete Lien & Sons, Inc., mining claims and our Nemo Mine (Mine License 83-100, Site 10001, Permit No. 167). Please note that a Draft Approval of the Plan of Operations for Exploration for that part of the project within the Black Hills National Forest has been written. Final approval is pending.

If there are any questions regarding this submittal or if additional information is required, please contact me at (605) 939-2719 or by email at mgolliher@petelien.com.

Respectfully,

A handwritten signature in blue ink, appearing to read "Michael Golliher".

Michael Golliher
Technical Directory of Mine Planning
Pete Lien & Sons, Inc.

Enclosures: EXNI NOI application, (2) maps, PLS Check # 9539

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

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

Pursuant to SDCL 45-6C

Operator's name: Pete Lien & Sons, Inc

Mailing Address: PO Box 440, Rapid City, SD 57709-0440

Telephone: (605) 342-7224

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

Resident agent address:

Telephone:

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

Section 33, T3N, R5E
Section 34, T3N, R5E
Section 4, T2N, R5E

County: Lawrence 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).

Up to 32 exploratory drill sites are proposed to search for magnetite, hematite and other iron-bearing minerals within mining claims. This portion of the project, (Nemo South Exploration Drilling Project, BHNF, Northern Hills Ranger District) is Pending US Forest Service Permit final approval.

These holes will be approximately three (3) inches in diameter, 200 feet in length and drilled at a 45-degree angle. Each drill site would measure approximately 30x50 feet for a combined area of disturbance of approximately 1.25 acres.

Five (5) additional drill holes are proposed within the Pete Lien & Sons, Inc., Nemo Mine, (Mine License 83-100, Site 100001, Permit No. 167)

They will also be approximately three inches in diameter and will be drilled to varying depths between 270 and 540 feet deep at a 45-degree angle.

Each drill site at this site is located within Pete Lien & Sons, Inc. property within Section 34, T3N, R5E and would measure approximately 30x50 feet for a combined area of disturbance of approximately 0.18 acres.

The drill will be a small, over the road transportable, core or top-hammer percussion rig mounted on a truck chassis, tracks or trailer, capable of drilling a three (3) inch diameter hole.

Primary access to the drill sites in the mining claims would be along NFS roads and trails, primarily FSR 152 and motorized trails 8254, 8256 and 8257. Cross-county travel between those drill sites will total approximately 0.75 miles. Access to the drill sites within the Nemo Mine will be along two (2) constructed trails approximately 0.15 miles long.

Site preparation and clearing of vegetation will be completed with compact track/skid steer loader (CTL) after site-specific pre-approval from a USFS representative.

Well Completion Records within 0.5 miles of the proposed drill sites were reviewed.

Two (2) were found:

- 000494475; Drilled by Flack, 83 ft deep, 18 Apr 1985, Domestic use. This well is within Pete Lien & Sons, Inc. property, located in the Box Elder Creek floodplain.
- 00010138; Drilled by Schleining, 21 ft deep, 13 May 1997, Monitoring well. This well was drilled by the USFS to evaluate the extent of pollution and aid in locating the point source of EDB pollution. Also located in the Box Elder Creek floodplain.

Date exploration will commence: Upon approval, weather permitting. To be completed within one (1) year .

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.

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.

Adel Cole Date: 8/8/2023
Signature

Title: TECHNICAL DIRECTOR OF MINE PLANNING

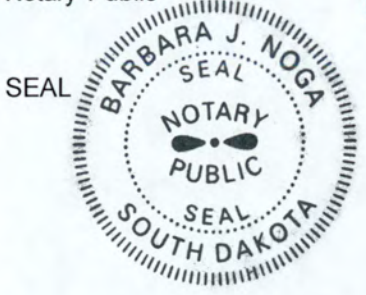
STATE OF South Dakota

COUNTY OF Pennington

On this 8th day of August, 20 23, before me personally appeared

Mike Gouliher, who acknowledged himself to be the Technical Director of
(Title) mine planning
for Pete Lica & Sons, Inc. and that he is authorized to execute the Notice of Intent for the
(Operator)
purposes contained therein.

Barbara Noaga My Commission Expires: 6/29/2029
Notary Public



FOR DEPARTMENT USE ONLY

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

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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.

Based on the Plan of Operations (pending final approval) submitted to the USFS, drill cuttings, core and other non-toxic lubricants will be removed from the site and taken to an approved solid waste facility, disposed of down the hole, or buried using the following methods, in order of preference. Final determination of the method used will be based on an on-site review and pre-approval by a USFS representative:

- *Constructed infiltration gallery/sump – Allow the water to infiltrate and then cover with mineral soil followed by the stockpiled organic soil.*
- *Natural depression or pre-existing sump – Allow the water to infiltrate and then cover with mineral soil if available and then with organic material. The topsoil or organic material if present will be removed first and stockpiled for use in reclamation. Once the drilling is completed on the site, the sump or depression will be leveled and covered with the organic material so that the drill cuttings are not visible.*
- *Disperse the cutting in voids between boulders or rocks.*

Standing water in sumps/infiltration galleries will be drained or allowed to percolate into the ground prior to backfilling. Excavations will be backfilled with excavated spoil material and topped with salvaged organic material.

Compacted surfaces created by exploration activities will be loosened. Disturbed areas will be re-contoured to their original condition to the extent possible by reapplying salvaged material over disturbance areas. This will include reapplication of mineral soil, topped with organic soil material, woody debris, and slash. Upon completion of reclamation, any excess salvaged material (rock, soils, slash, woody debris, etc.) will be scattered in the vicinity. Excess rock or soil will not be placed or scattered in streams or wetlands. If soil disturbance occurs, re-vegetation efforts will primarily rely on creation of micro-sites (roughened ground surfaces, placement of woody debris, etc.) for natural re-vegetation and redistribution of the salvaged on-site organic litter layer.

Because of the lack of anticipated soil disturbance (due to use of a self-leveling drill rig or timbers for leveling), additional seeding of disturbed areas may not be necessary. Any damage to USFS roads, ditches, trails, or associated drainage features (water bars, ditches, culverts, etc.) resulting from exploration activities and/or associated travel by PLS or contractor personnel will be repaired to a functional condition as specified by USFS personnel.

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.

Reseeding may be prescribed if, upon inspection, it is noted that adequate organic material containing seed is not available. The certified weed-free mix of seed, provided by Andrea Westlake (Rangeland Management Specialist, Belle Fourche Office) and accepted by USFS personnel (Chris Stores, National Resource Planner, BHNF, Northern Hills Ranger District) shown below will be used.

(5) Select Species	Prepared Mixes	If Select Improved Variety (recommended) or select common seed (see note below)	Percent in Mixture	Pure Live Seeds (PLS) per square foot	Pure Live Seed (PLS) lbs/ac Needed	Acres to Seed	Pure Live Seed (PLS) lbs Required
Species **			105	40.88			
Big bluestem			15.0	6.75	1.67	40.00	66.83
Sideoats grama			5.0	2.25	0.54	40.00	21.78
Western wheatgrass			55.0	20.63	8.02	40.00	320.87
Green needlegrass			3.0	1.35	0.33	40.00	13.07
Slender wheatgrass			18.0	6.75	1.90	40.00	75.88
Canada wildrye			5.0	1.50	0.57	40.00	22.73
Little bluestem			2.0	0.90	0.14	40.00	5.48
Purple prairie clover			1.0	0.38	0.06	40.00	2.25
Western yarrow			1.0	0.38	0.01	40.00	0.23
		annual rye can be added to the full seeding at 2 lbs/acre or less					

To meet SD NRCS Standards Please

1/ Improved varieties recommended above have no restrictions on their origin.
 1/ Origin of Common grass seed must be ND, SD, NE, MT, WY, MN, or IA. Exception: Smooth Bromegrass any locale.
 1/ Common Native forbs and legumes will originate or be grown in (USA): ND, SD, NE, MT, IA, WY, ID, WA, OR, MN, WI, and (CAN): AB, BC, MB, ON, SK.

- Seed test must be completed according to SD Seed laws (see link below) and no more than 9 months prior to the date planted.
- All legumes must be pre-inoculated. Producer will provide all seed tags to NRCS [Legume inoculants](#)
- Tetrazolium (TZ) tests may be used as a substitute for germination tests ONLY for Green Needlegrass
- For Alfalfa Salinity tolerance use F or G from the web site link → [Alfalfa Variety Ratings](#)

* Pubescent wheatgrass and Intermediate wheatgrass are the same species and can be substituted for one another at any time.
 ** Thickspike wheatgrass may be substituted for western wheatgrass if the later is not available but only west of the Missouri River.

To calculate the amount needed multiply the western wheatgrass seeding rate by .72

[SD Seed Laws](#) [Codified Laws Statute 38-12A](#) [Seed testing](#) [SD state seed-lab](#)

LOCATION MAP

Tract _____

Planning Assistance By: Andrea Westlake 7/13/2023
 Name Date)

Plan Meets SD Standards (if no explain) Yes No

Prescribed re-vegetation will be accomplished as soon as possible; however, revegetation will be performed in the proper season in accordance with accepted agricultural and reforestation practices identified in consultation with USFS personnel on a site-specific basis.

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

- The objectives of reclamation measures under this Plan of Operations are to:
- Reclaim the surface disturbed by operations by taking such measures as will prevent or control off-site damage to the environment and forest service resources (36 CFD 228.8 (g)).
 - Return areas disturbed by the operation to a stable configuration that approximates the original condition to the extent possible. All surface areas disturbed by the operation shall be contoured in such a way as to closely approximate either surface contours existing in the disturbed area before the start of operations or surface contours of immediately and adjacent undisturbed terrain. In all cases, resulting contours shall be made to blend and merge with surrounding natural ground surfaces in an unobtrusive way imitating natural surface features commonly found in the immediate area.

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.

Drill holes will be sealed within 24-48 hours of drilling completion and before moving the drill rig.

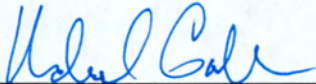
A nondegradable, nonslip plug shall be placed at a point not less than eight feet below the ground surface and a five-foot column of cement grout shall be placed above the plug.
 Topsoil or material representative of the undisturbed surface material shall be tamped into the upper three feet of the drill hole.

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

Task			Cost per	Cost
Plugging/Sealing each test hole	37	Sites	\$ 250	\$ 9,250
Site Grading/Contouring (1,500 ft/site)	37	Sites	\$ 500	\$ 18,500
Seed / Planting (Drill Sites)	1.27	acres	\$ 500	\$ 637
Mulch (Drill Sites)	1.27	acres	\$ 400	\$ 510
Seed / Planting (Travel ways)	1.31	acres	\$ 500	\$ 655
Mulch (Travel ways)	1.31	acres	\$ 400	\$ 524
Loosen soil in travel ways (if necessary)	1.31	acres	\$ 2,000	\$ 2,618
Revegetation (50% of seeding costs)				\$ 646
Mobilization	1		\$ 1,000	\$ 1,000
Demobilization	1		\$ 1,000	\$ 1,000
				\$ 35,339

It is understood that the USFS may require additional bonding above any State of South Dakota specified amount. Pete Lien & Sons, Inc., is prepared to provide whatever that may be.

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

Date: 8/8/2023

Title: Technical Director of Mine Planning, Pete Lien & Sons, Inc.