

PLAN OF OPERATIONS FOR MINING ACTIVITIES ON NATIONAL FOREST SYSTEM LANDS

USE OF THIS FORM IS OPTIONAL. 1st TIME USERS SHOULD DIRECT QUESTIONS REGARDING THIS FORM OR REGULATIONS (36 CFR 228A) TO THE FOREST SERVICE DISTRICT OFFICE NEAREST YOUR AREA OF INTEREST.

Submitted by:

Signature

Title

Date

(mm/dd/yy)

Signature

Title

Date

(mm/dd/yy)

Plan Received by:

Signature

Title

Date

(mm/dd/yy)

I. GENERAL INFORMATION

A. Name of Mine/Project: Rochford ProjectB. Type of Operation: Exploration

(lode, placer, mill, exploration, development, production, other)

C. Is this a (☐new/☒continuing) operation? (check one).If continuing a previous operation, this plan (☒replaces/☒modifies/☐supplements) a previous plan of operations. (check one)D. Proposed start-up date (mm/dd/yy) of operation: 2021-22E. Expected total duration of this operation: Annual

Reclamation of drill sites will be carried out after the completion of each phase of drilling. Mineral Mountain will co-ordinate with the United States Forest Service (USFS)

F. If seasonal, expected date (mm/dd/yy) of annual reclamation/stabilization close out: for oversite and compliance.

Reclamation will be completed at each drill site no later than May/June, the onset of the spring growing season.

G. Expected date (mm/dd/yy) for completion of all required reclamation:

II. PRINCIPALS

A. Name, address and phone number of operator:

Mineral Mountain Resources (SD) Inc., c/o Acting Agent Bennett, Main & Gubbrud: Wallace John W., 618 State St., Belle Fourche South Dakota 57717 (605) 892-2011.

The Company will ensure that all project personnel including management, geologists, technicians, diamond drillers, drill helpers and support crew are familiar with and dedicated to implementing the design and mitigation features described in the Plan of Operations (ie PoO) and are cognizant of future amendments to the PoO as agreed upon with the United States Forest Service.

B. Name, address, and phone number of authorized field representative (if other than the operator).

(If more space is needed to fill out a block of information, use additional sheets and attach form)

Attach authorization to act on behalf of operator.

Kevin Leonard, Operations Officer, 2049 Yukon Harbor Rd SE., Port Orchard, Wa 98366., (253) 327-4263
leonardkwl@gmail.com.

Curt E Hogge, Exploration Manager, 570 Tumbleweed Dr., Billings Mt 59105., (520) 403-9664 curthogge@gmail.com

- C. **Name, address and phone number of owners of the claims (if different than the operator):**
BHB Partners, 570 Tumbleweed Drive Billings Mt., Phone # (406) 534-4091
-

(If more space is needed to fill out a block of information, use additional sheets and attach form)

- D. Name, address and phone number of any other lessees, assigns, agents, etc., and briefly describe their involvement with the operation, if applicable:

N/A

III. PROPERTY OR AREA

(Name of claim, if applicable, and the legal land description where the operation will be located.)

MC#	Name	Section	Township	Range
	Refer to Figure 1 and Table 1 attached.			

IV. DESCRIPTION OF THE OPERATION

- A. **Access.** Show on a map (USGS quadrangle map or a National Forest map, for example) the claim boundaries, if applicable, and all access needs such as roads and trails, on and off the claim. Specify which Forest Service roads will be used, where maintenance or reconstruction is proposed, and where new construction is necessary. For new construction, include construction specifications such as widths, grades, etc., location and size of culverts, describe maintenance plans, and the type and size of vehicles and equipment that will use the access routes.

The attached map presents the locations of the access routes along the proposed drilling sites.

Main access to the Rochford District exploration area is via Federal Highway 17 (South/North Rochford Roads) connecting Rochford tp neighboring communities like Hill City to the south and Lead, to the north. Forest Service access trails. FS # 204, FS #238 and FS # 184 afford access to the drill sites from Rochford Road.

About 3400 linear feet of overland routes off the aforementioned access roads and trails will be utilized as shown on the map figures attached. These overland travel routes will occur along the routes identifies as 'Proposed Overland Route' on the maps. Overland travel by vehicles and equipment will be restricted to flagged routes pre-approved by the United States Forest Service.

No culverts will be required for this program of regional exploratory drilling.

- B. **Map, Sketch or Drawing.** Show location and layout of the area of operation. Identify any streams, creeks or springs if known. Show the size and kind of all surface disturbances such as trenches, pits, settling ponds, stream channels and run-off diversions, waste dumps, drill pads, timber disposal or clearance, etc. Include sizes, capacities, acreage, amounts, locations, materials involved, etc.

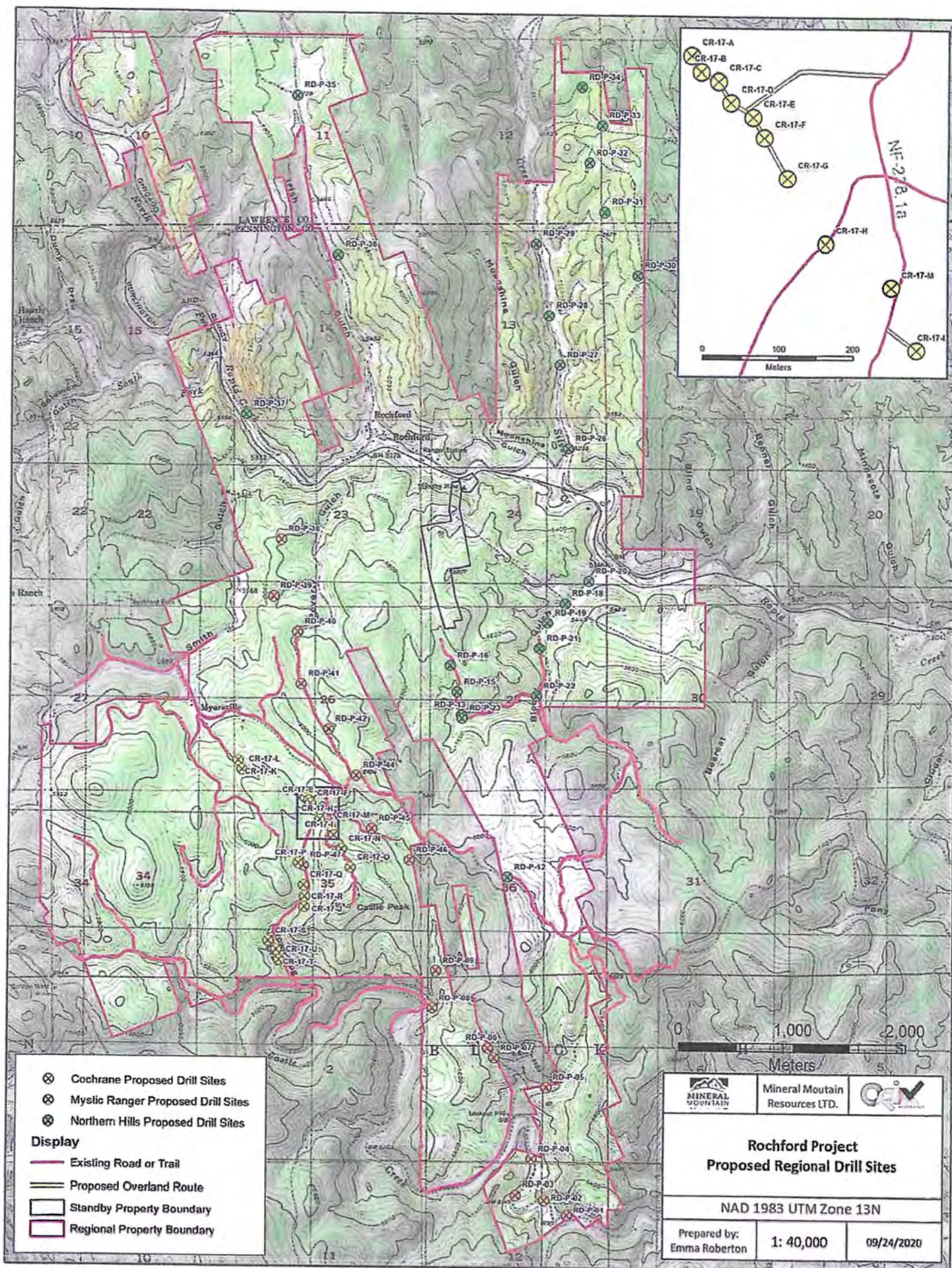
(If more space is needed to fill out a block of information, use additional sheets and attach form)

2020 Proposed Drill Sites - Rochford Project

Number	Drill Hole	Claim #	Section	Township	Range	Comments
1	RD-P-01	VCB 88	12	T.1 N.	R.3 E.	Regional - MMV Claims
2	RD-P-02	VCB 85	12	T.1 N.	R.3 E.	Regional - MMV Claims
3	RD-P-03	VCB 83	12	T.1 N.	R.3 E.	Regional - MMV Claims
4	RD-P-04	VCB 105	1	T.1 N.	R.3 E.	Regional - MMV Claims
5	RD-P-07	VCA 32	1	T.1 N.	R.3 E.	Regional - MMV Claims
6	RD-P-08	VCB 70	1	T.1 N.	R.3 E.	Regional - MMV Claims
7	RD-P-09	VCA 26	36	T.2 N.	R.3 E.	Regional - MMV Claims
8	RD-P-38	VC386	23	T.1 N.	R.3 E.	Regional - MMV Claims
9	RD-P-39	VC 305	23	T.2 N.	R.3 E.	Regional - MMV Claims
10	RD-P-40	VC 146	26	T.2 N.	R.3 E.	Regional - MMV Claims
11	RD-P-41	VC 146	26	T.2 N.	R.3 E.	Regional - MMV Claims
12	RD-P-42	VC 137	26	T.2 N.	R.3 E.	Regional - MMV Claims
13	RD-P-43	VC 238	26	T.2 N.	R.3 E.	Regional - MMV Claims
14	RD-P-44	VC 238	26	T.2 N.	R.3 E.	Regional - MMV Claims
15	RD-P-45	VC 239	35	T.2 N.	R.3 E.	Regional - MMV Claims
16	RD-P-46	VC 290	35	T.2 N.	R.3 E.	Regional - MMV Claims
17	RD-P-47	VC 289	35	T.2 N.	R.3 E.	Regional - MMV Claims
18	RD-P-12	VCA 14	36	T.2 N.	R.3 E.	Regional - MMV Claims
19	RD-P-13	R 86	25	T.2 N.	R.3 E.	Regional - MMV Claims
20	RD-P-15	R 86	25	T.2 N.	R.3 E.	Regional - MMV Claims
21	RD-P-16	R 77	25	T.2 N.	R.3 E.	Regional - MMV Claims
22	RD-P-18	VCB 38	24	T.2 N.	R.3 E.	Regional - MMV Claims
23	RD-P-19	VC 161	25	T.2 N.	R.3 E.	Regional - MMV Claims
24	RD-P-20	VCB 101	24	T.2 N.	R.3 E.	Regional - MMV Claims
25	RD-P-21	VCB 36	25	T.2 N.	R.3 E.	Regional - MMV Claims
26	RD-P-22	VCB 40	25	T.2 N.	R.3 E.	Regional - MMV Claims
27	RD-P-23	R 97	25	T.2 N.	R.3 E.	Regional - MMV Claims
28	RD-P-26	VC 445	13	T.2 N.	R.3 E.	Regional - MMV Claims
29	RD-P-27	VC 435	13	T.2 N.	R.3 E.	Regional - MMV Claims
30	RD-P-28	VC 436	13	T.2 N.	R.3 E.	Regional - MMV Claims
31	RD-P-29	VC 419	13	T.2 N.	R.3 E.	Regional - MMV Claims
32	RD-P-30	VC 427	18	T.2 N.	R.4 E.	Regional - MMV Claims
33	RD-P-31	VC 424	7	T.2 N.	R.4 E.	Regional - MMV Claims
34	RD-P-32	VC 409	12	T.2 N.	R.3 E.	Regional - MMV Claims
35	RD-P-33	VC 409	12	T.2 N.	R.4 E.	Regional - MMV Claims
36	RD-P-34	VC 406	12	T.2 N.	R.3 E.	Regional - MMV Claims
37	RD-P-35	VC 306	11	T.2 N.	R.3 E.	Regional - MMV Claims
38	RD-P-36	VC 353	14	T.2 N.	R.3 E.	Regional - MMV Claims
39	RD-P-37	VC 361	14	T.2 N.	R.3 E.	Regional - MMV Claims
40	CR-17-A	VC-193	26	T.2 N.	R.3 E.	Regional - MMV Claims
41	CR-17-B	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
42	CR-17-C	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
43	CR-17-D	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
44	CR-17-E	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
45	CR-17-F	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
46	CR-17-G	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
47	CR-17-H	VC-193	35	T.2 N.	R.3 E.	Regional - MMV Claims
48	CR-17-I	VC-233	35	T.2 N.	R.3 E.	Regional - MMV Claims
49	CR-17-J	VC-284	35	T.2 N.	R.3 E.	Regional - MMV Claims
50	CR-17-K	VC-129	26	T.2 N.	R.3 E.	Regional - MMV Claims
51	CR-17-L	VCB-91	26	T.2 N.	R.3 E.	Regional - MMV Claims
52	CR-17-M	VC-233	35	T.2 N.	R.3 E.	Regional - MMV Claims
53	CR-17-N	VC-287	35	T.2 N.	R.3 E.	Regional - MMV Claims
54	CR-17-O	VC-287	35	T.2 N.	R.3 E.	Regional - MMV Claims
55	CR-17-P	VC285	35	T.2 N.	R.3 E.	Regional - MMV Claims
56	CR-17-Q	VC-285	35	T.2 N.	R.3 E.	Regional - MMV Claims
57	CR-17-R	VC-284	35	T.2 N.	R.3 E.	Regional - MMV Claims
58	CR-17-S	VC-281	35	T.2 N.	R.3 E.	Regional - MMV Claims
59	CR-17-T	VC-281	35	T.2 N.	R.3 E.	Regional - MMV Claims
60	CR-17-U	VC-281	35	T.2 N.	R.3 E.	Regional - MMV Claims

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No new road or trail construction is proposed. Refer to the attached Figure showing access routes to the locations of the proposed sites. The drill sites are located in the general vicinity of the historic Standby and Cochrane gold deposits within the Mystic and Northern Hills Ranger Districts.

General access to the Rochford Project area is via the Town of Rochford which is situated about 25 miles west of Rapid City, South Dakota. The unpatented mineral claims are located in surveyed townships 1N and 2N, Range 3E in Pennington and Lawrence Counties and the claims are administered by the resource administrative district of the South Dakota Field Office, Montana Bureau of Land Management.

Access to drill sites RD-P-01 - 04 and RD-P-07 - 09 is afforded from County Highway #306 (Rochford Rd South) then turning east along FS #181 (Castle Peak Road). Drill site RD-P-12 is located on FS #238 east of and adjacent to the Papke and PAR private patents. Drill sites RD-P-13, RD-P-15 & 16 and RD-P-18 to 23 inclusive are accessed from Rochford Road then southwest along the Bloody Gulch Road (FS #184.1 & 184.1A).

Drill sites RD-P-26 to 34 (Lawrence County) are accessed east from Rochford along Rochford Road North and then heading north along FS #204.1 and then southeast onto FS #1F.

Drill sites RD-P-35 & 36 are found north of Rochford via Rochford Road then west onto FS #563.1 and FS #1A. Drill site RD-P-37 is located west of Rochford on State Route #231 (South Rapid Rd).

Access to drill sites RD-P-38 to RD-P-47 and CR-17-A to U is afforded also via County Highway #306 then turning east along FS #238 that passes through the historic town of Myersville and connects with access routes FS #238.1A, FS #238.1B, #238.1C, FS #238.1E, FS #238.1F and FS #181.1A.

Existing roads will allow access to the drill sites. A staging or "lay-down" area for drill equipment will be located on the Standby patented claims owned by the Operator, Mineral Mountain Resources. The type and size of vehicles that will use the trails will consist of a mobile rubber-tired or track-mounted drill, ATV / snowmobiles, 4 x 4 pick-up trucks, a 3,000 gallon water truck, a front-end loader with a blade or a skid-steer to carry out reclamation and re-mediation work on the drill pads and sumps.

- C. Project Description.** *Describe all aspects of the operation including mining, milling, and exploration methods, materials, equipment, workforce, construction and operation schedule, power requirements, how clearing will be accomplished, topsoil stockpile, waste rock placement, tailings disposal, proposed number of drillholes and depth, depth of proposed suction dredging, and how gravels will be replaced, etc. Calculate production rates of ore. Include justification and calculations for settling pond capacities, and the size of runoff diversion channels.*

No mining or milling will be carried out. No construction of permanent structures, no suction dredging and no cleaning or removal of topsoil applies to sites selected for exploration drilling. The elimination of sumps can be accomplished.

Diamond drilling will be the only sustained, mechanized activity conducted.

All drill sites are accessible via ground-based travel, a mobile rubber-tired or remote controlled track-mounted drill will be used and adaptable to overland travel.

Site preparation for drilling may include a Komatsu mini-excavator or front-end loader equipped with a blade and/or a skid steer - Bobcat for use in drill site reclamation. All work will strive to minimize disturbance in the preparation and reclamation of the site upon completion of the hole.

This program intends to implement state-of-the art solids control technology by delivering additional health, safety and environmental benefits to the job site. The award-winning AMC Solids Removal Unit (ie. SRU) works by circulating drilling fluid directly from the drill collar to be processed by the shaker and centrifuge, where drill solids (ie. cuttings) are separated from the mud slurry and discharged via a waste chute. The unit's high-speed decanting centrifuge is specifically adapted for diamond drilling, operating up to 3,000 rpm, to remove solids to less than 5 microns and keep drilling fluid in excellent rheological condition. After being processed, cleaned drilling fluids flow into a tank for return to the drill rig for re-use. The drilling fluid is contained throughout the whole process. The AMC SRU unit creates drier cuttings waste with a water ratio of 1:1, no runoff from cuttings occurs and the water left is likely to evaporate in the right conditions. The volume of cuttings for disposal is also significantly less and has proven to reduce waste volumes up to 96%. The unit can also significantly reduce water and mud consumption and their associated costs. The closed-loop system recycles drilling fluid, shrinking mud consumption by up to 75%, by returning clean fluid, with optimal drilling fluid properties to the hole. The SRU unit creates a drier, safer work environment, containing and reducing the volume of water and mud on site, reducing slip and trip hazards caused by mud on roads and run ways as well as reducing drive time for support vehicles including water trucks and associated driving risks.

About 60 drill sites are included in the Plan of Operation. Holes will be drilled at -45 to -90 degree angles and designed to extend a maximum of 2000 m. Dependant upon results of drilling, each site may have multiple holes drilled with differing angles and azimuths. Some sites may have only one hole drilled, while others may not be drilled at all. A total of 2- 12 hour shifts (includes night shift), seven days a week is contemplated. The program will be carried out in phases over should extend for more than one year. Follow-up work will be contingent upon positive drill results.

- D. Equipment and Vehicles.** *Describe that which is proposed for use in your operation (Examples: drill, dozer, wash plant, mill, etc.). Include: sizes, capacity, frequency of use, etc.*

- 1 LF 90 or LF 230 track-mounted diamond drill,
- 3 4X4 pick-up trucks,
- 2 All-terrain vehicles and snowmobiles (winter),
- 1 Komatsu mini-excavator or
- 1 front-end Loader with attachable blade,
- 1 skid steer,
- 1 Solids Removal Unit,
- 1 3000 gallon water truck,
- 1 supply pump,
- 1 rod sloop,
- 1-3,000 ft of waterline,
- 1 unitized mud pump, light plant, and mud-mixing tanks and pump for grouting drill holes.

Pick-up vehicles will be used by the drill contractor (2-for crew and Foreman) and the Company (1-geologist) to access the drill sites and check core and stop the drill hole. ATV's or snowmobiles (2) and pick-up vehicles will be used to transport crew and materials including drill core to & from each drill site. The rubber tired or remote controlled track-mounted drill will be able to easily mobilize between drill sites. Likewise, the skid-steer (on tracks) and mini-excavator or front-end loader can be moved to/from selected drill sites. The skid steer and mini excavator / front-end loader will be mobilized to the project by an independent contractor on as 'as-needed' basis for the reclamation of drill sites. The equipment will be stored either at the staging or "lay-down" area on the Standby property or at the Core Facility in Hill City. The purpose of the staging or "lay-down" area allows the contractor a secure area for equipment and material that may be required at some sites, but not at all sites such as spare parts, vehicles, core boxes and fuel etc.

Mineral Mountain and its contractors and crew will maintain all equipment operating in the project area in good repair and free of abnormal leakage of lubricants, fuel, coolants and hydraulic oil. The Company nor any of its contractors will service its drill or other mechanized equipment on the unpatented mining claims where servicing is likely to result in pollution to soil or water. A zero discharge policy will be implemented and adhered to by the Company and its contractors. Mineral Mountain and its contractors will furnish containers and/or oil absorbing mats, approved by the Forest Service for use under all stationary equipment or equipment being serviced and/or repaired to prevent spillage or leakage of petroleum based products from contaminating the soil and water resources. The Company and its contractors will remove all contaminated soil, debris, vehicle oil filters (drained of residual oil), batteries, oily rags and waste oil resulting from use, servicing, repair, or abandonment of equipment.

Equipment will not be in operation when ground and road conditions are such that excessive damage (i.e deep tire ruts) occurs, for example saturated trail or soil conditions. Spring melt from early March through June are periods where road conditions are particularly susceptible to serious deterioration.

In the effort to protect existing vegetation and to not contribute to unwarranted man-made erosion within the project area, Mineral Mountain will confine all wheeled vehicles to existing routes in coordination with USFS directives and as specified in the Plan of Operations requirements. If crews need to access outcroppings or any mineral exposures that are not immediately adjacent to trails, access to these features will be by foot.

In order to prevent against wild fires, while operating, Mineral Mountain will adhere to current and imposed fire restrictions and will comply with the State of South Dakota codes regarding fire rules and regulations.

- E. Structures.** *Include information about fixed or portable structures or facilities planned for the operation. Show locations on the map. Include such things as living quarters, storage sheds, mill buildings, thickener tanks, fuel storage, powder magazines, pipelines, water diversions, trailers, sanitation facilities including sewage disposal, etc. Include engineering design and geotechnical information for project facilities, justification and calculations for sizing of tanks, pipelines and water diversions, etc.*

(If more space is needed to fill out a block of information, use additional sheets and attach form)

Not Applicable

V. ENVIRONMENTAL PROTECTION MEASURES (SEE 36 CFR 228.8)

- A. Air Quality.** *Describe measures proposed to minimize impacts on air quality such as obtaining a burning permit for slash disposal or dust abatement on roads.*

All refuse will be transported off-site and placed in bulk containers(s) offered by Keiffer Sanitation services at Mineral Mountain's core facility located off Slate Prairie Road in Hill City. No burn permit for slash disposal will be required.

All equipment will be equipped with approved spark arrestors, mufflers and other equipment required to operate legally. Work crews will operate vehicles in a safe manner, abide the speed laws and limit dust dispersion. It is unlikely prolonged accumulations and concentrations of atmospheric dust will occur at the drill site except for road dust kicked up by a passing vehicle during summer operations. However, work site drillers are provided with and must use goggles, dust masks and other PPE equipment available to suppress the effects of dust. It is a wet drilling operation that does not include blasting, loading and hauling of broken rock. No open pit floor drilling will be done.

- B. Water Quality.** *State how applicable state and federal water quality standards will be met. Describe measures or management practices to be used to minimize water quality impacts and meet applicable standards.*

1. *State whether water is to be used in the operation, and describe the quantity, source, methods and design of diversions, storage, use, disposal, and treatment facilities. Include assumptions for sizing water conveyance or storage facilities.*
2. *Describe methods to control erosion and surface water runoff from all disturbed areas, including waste and tailings dumps.*
3. *Describe proposed surface water and groundwater quality monitoring, if required, to demonstrate compliance with federal or state water quality standards.*
4. *Describe the measures to be used to minimize potential water quality impacts during seasonal closures, or for a temporary cessation of operations.*
5. *If land application is proposed for waste water disposal, the location and operation of the land application system must be described. Also describe how vegetation, soil, and surface and groundwater quality will be protected if land application is used.*

(If more space is needed to fill out a block of information, use additional sheets and attach form)

1. Water is required for drilling operations. Water will be supplied through either an arrangement with the City of Lead utilities department or by the granting of a commercial/industrial water license from the Water Rights Program of the Department of Environment and Natural Resources of South Dakota.

Drill sites are relatively small (50ft x 50ft) in size and the surface will be left with minor disturbance which will allow natural infiltration of continue. The water used to flush cuttings will be contained in a closed-loop solids removal unit (SRU - refer to Item C. Project Description, paragraph # 3).

Holes that encounter no water or only low-permeability formations such as clay, shales and till will be backfilled to restore natural conditions as nearly as possible. Except as described in ASRD regulations 74:11:08:05 to 74:11:08:07.02 inclusive, the minimum acceptable test hole plugging method is the return of excess drill cuttings to the drill hole to a point not less than eight feet below the ground surface. Backfill material must be free of contamination and have permeability equal to or less than the permeability of the rock formations encountered in the drill hole. a nongradational, non-slip plug will be placed at a point not less than 8 ft below ground surface, and a 5 ft 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 3 ft. of the drill hole.

Bentonite chips will be used as an alternative to cement grout in the top 8 ft of the drill hole. if bentonite grout or bentonite chips are used to plug the drill hole.

2. Operations will be conducted to prevent deleterious substances and / or pollutants from entering streams and wetlands. In the event that Mineral Mountain or any of its Contractors cause debris to enter streams and wetlands in amounts that may adversely affect the natural flow of the stream or river bed, water quality or fishery habitat, Federal and State Officials will be immediately alerted and all such debris will be removed as soon as practicable, but to not exceed within 48 hours, and in an agreed manner that will cause the least disturbance to streams and wetlands. All drill sites will be located beyond buffers establishing the Forest service aquatic management zones, that being 100 ft of either side of a stream or 100 ft from the edge of a spring or wetland. Final drill site locations will be dependent on the results of the environmental analysis, decision and review by the United States Forest Service.

Mineral Mountain and its Contractors will refrain from crossing all stream channels (ephemeral, intermittent, perennial) with motorized vehicles.

3. If an artesian well or aquifer is intersected during drilling operations, Mineral mountain and its Contractors will follow State of South Dakota regulations to immediately notify State and Federal permitting authorities. Notification shall include the location to include UTM coordinates and Section, township and Range information) and 3D image of the hole penetrating the aquifer. Visual inspection will ensure that the water used to flush cuttings is captured and directed to the neighboring sump. The use of the SRU centrifuge and closed-loop containment system will dramatically reduce the environmental impact of intersecting an aquifer. Benefits of using SRU technology vs sumps is as follows:

- a. Digging, construction, erecting barriers / screens, reclamation and removal of sumps may prolong operations and add unnecessary costs,
- b. The slurry may be affected by weather, such as freezing cold or warm, evaporative temperatures, making the drilling fluid less suitable to reuse,
- c. Fluid leaking into the surrounding environment or waterways remains a risk,
- d. Screening may be required to ensure local wildlife and staff do not ingest fluid, fall into sumps and prevent injury,
- e. If the slurry has a high water content, this may put stress on sumps with limited size capacity making it more expensive and potentially more complex for disposal,
- f. Drill site footprint is expanded,
- g. Excessive water usage. SRU minimizes water use.

4. and 5. refer to additional page included.

All drill holes will be plugged immediately upon completion of the hole.

(If more space is needed to fill out a block of information, use additional sheets and attach form)



B. Water Quality continued....

4. Describe the measures to be used to minimize potential water quality impacts during seasonal closures, or for a temporary cessation of operations.

The United States Forest Service will be notified of the Company's intent to temporarily halt drilling activity due to events like a forest fire or unusually warm spring temperature conditions. THE USFS will guide the Company as to how they will recommend the drill and the hole to be prepared. Written documentation of measures taken to safe guard the site and surrounding environment would be submitted to the USFS authority. The Company would initially stabilize the drill site, hoses and waterline would be drained and stored. The mast would be dropped to horizontal position and the rig secured.

5. If land application is proposed for waste water disposal, the location and operation of the land application system must be described. Also describe how vegetation, soil, and surface and groundwater quality will be protected if land application is used.

Not applicable.

- C. **Solid Wastes.** *Describe the quantity and the physical and chemical characteristics of solid waste produced by the operation. Describe how the wastes will be disposed of including location and design of facilities, or treated so as to minimize adverse impacts.* Refuse associated with the exploration project including diamond drilling operations will be removed and disposed of in regulated disposal sites. Garbage and litter will be removed from the project area on a regular basis. Human waste will be contained in porta potties that will be serviced regularly. Porta potties will be removed from the site following the end of each phase of work.

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- D. **Scenic Values.** *Describe protection of scenic values such as screening, slash disposal, or timely reclamation.* Individual drill sites (50 ft x 50ft = 2500 sq ft = 0.057 acres) are comparatively small and all reclamation activity will be carried out in a prudent and timely manner. The area of disturbance if holes are drilled on each of the 60 sites would be $60 \times 0.057 \text{ acres} = 3.42 \text{ acres}$.

All sites will be reclaimed immediately following each program. Reclamation will include leveling, grading and contouring if needed, each site will be seeded with an indigenous, non-toxic seed mixture that is native to the Northern Black Hills. The United States Forest Service and the Pennington County Conservationist will review and approve all seed mixes for reclamation activities.

- E. Fish and Wildlife.** *Describe measures to maintain and protect fisheries and wildlife, and their habitat (includes threatened, endangered, and sensitive species) affected by the operations.*
Drilling will not be carried out near caves of the northern long-eared bat. A minimum distance of 0.25 miles from a cave site is acknowledged. Mineral Mountain shall notify the US Fish and Wildlife Service and South Dakota Department of Games, Fish and Parks if exploration activity encroaches on underground workings and caves or if drilling is situated within 300 ft of an adit that may disturb or harm bat habitat.
Drill sites RD-P-13, RD-P-15, RD-P-22 and RD-P-23 are located near raptor's nests. Drill sites will be visited by Forest Services representatives and Mineral Mountain staff to discuss possible alternative locations for these sites. It is feasible that perhaps the sites may be subject to seasonal restrictions (i.e. no operations between March 15 - April 31 or April 1 - August 1). Mineral Mountain will effectively carry out drilling activity in the fall and winter seasons.
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- F. Cultural Resources.** *Describe measures for protecting known historic and archeological values, or new sites in the project area.*
There are no known protective sites or culturally sensitive areas near these drill sites. A cultural study may be warranted to conduct a cultural resources evaluation and field study for the project area. A cultural study funded by Mineral Mountain was completed in the vicinity of the Cochrane deposit covering drill sites CR-17A - U inclusive in 2018. If undiscovered cultural artifacts or historical markings are found, then Mineral Mountain will immediately cease operations at that location and notify the United States Forest Service and the South Dakota Archeologist.
Mineral Mountain will report any bones, artifacts, foundation remains or other evidence of previously unrecorded past human use during exploration activities.
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- G. Hazardous Substances.**
1. *Identify the type and volume of all hazardous materials and toxic substances which will be used or generated in the operations including cyanide, solvents, petroleum products, mill, process and laboratory reagents.*
Gasoline, diesel fuel, oils and greases necessary to operate a diamond drill, water supply pumps, trucks and compressors will be used. Fuel for the drill will be transported in DOT-approved tanks/bladders and containers. Oil and grease will be transported on an 'as needed' basis. All storage of lubricants, fuel and petroleum products will be stockpiled off site and will comply with the State of South Dakota safe storage of hazardous materials regulations. Materials will be tied-down and transported safely in 4WD pick-up vehicles.
 2. *For each material or substance, describe the methods, volume, and frequency of transport (include type of containers and vehicles), procedures for use of materials or substances, methods, volume, and containers for disposal of materials and substances, security (fencing), identification (signing/labeling), or other special operations requirements necessary to conduct the proposed operations.*
Fuel will be stored in DOT-approved tanks. Appropriate containment measures will be adopted such as the use of stock tanks for containers and adsorbent material for diesel, gasoline, hydraulic fluid, motor oil, down-the hole additives/lubricants and other hazardous materials. Refer to MSDS sheets attached that describes the Hazards ID, handling and storage, exposure control, toxicological and ecological information for each of the common drilling fluids and additives. Adsorbent materials and spill kits will be stored and made available at every drill site. Petroleum products will be purchased from commercial outlets in neighboring communities. Fuel barrels will be stored in containments having capacity for 1.5 times the volume of liquid being stored.
 3. *Describe the measures to be taken for release of a reportable quantity of a hazardous material or the release of a toxic substance. This includes plans for spill prevention, containment, notification, and cleanup.*

(If more space is needed to fill out a block of information, use additional sheets and attach form)

Containment equipment and materials will be employed such as spill trays, ground tarps and adsorbent mats for all diesel fuel, gasoline, hydraulic fluid, motor oil, and other hazardous material. Adsorbent mats will be kept near the drill rig at each drill site where petroleum products are being used, transported and stored. Mineral Mountain and its contractors will report all spills of hazardous substances to the proper authorities; the United States Forest Service and the DENR Games, Fish and Wildlife agencies. Diamond drillers on this project are all OSHA and MSHA certified employees trained in personal, public and workplace safety.

Prior to the start of each drill hole, representatives of Mineral Mountain and the drill contractor (Supervising Foreman) inspect and review the drill and immediate premises and sign-off on a 26 item checklist of health and safety and environmental items. These items include general housekeeping, adequate entrance into the drill (clear of debris, suitable steps, tools cleaned and cleared, accident / emergency procedures posted, first aid kit, communication system on-site and readily available, PPE in use signage posted (i.e. hard hat, safety glasses, steel toe boots, hearing protection and work gloves), firefighting suppression equipment present, wireline and hoisting cables in good working order, electrical cables in good working order, drill floor is free from ice and grease and clear of obstacles, propane stored upright, drill appears well anchored, guard rails in place, access trails to drill site are clear, hazardous materials handling procedures and emergency plans are present and available, environmental supplies are present (spill kits, adsorbent sheets, mats and booms, caution signage, orange safety cones and billboards placed strategically at the entrance to the workplace.

The Supervising Drill foreman, crew and Mineral Mountain staff are provided with copies of approved permits. On site will be aware of permit conditions. Injury, spill reporting and fuel or oil spill containment measures are reviewed. The field crew and equipment will undergo regular periodic inspections and internal safety audits from trained management supervisors.

Weekly safety crew meetings are held to discuss safety and environmental issues and to offer solutions to any concerns that may arise. Federal and State regulations and guidelines shall be posted in the core shack and permits / licenses carried in the glove boxes of each vehicle.

(If more space is needed to fill out a block of information, use additional sheets and attach form)

- H. **Reclamation.** *Describe the annual and final reclamation standards based on the anticipated schedule for construction, operations, and project closure. Include such items as the removal of structures and facilities including bridges and culverts, a revegetation plan, permanent containment of mine tailings, waste, or sludges which pose a threat of a release into the environment, closing ponds and eliminating standing water, a final surface shaping plan, and post operations monitoring and maintenance plans.* Best management practice will be used to keep disturbance to a minimum, a requirement for the safe and successful completion of the field project. Reclamation of the drill sites will be initiated on a site-by-site basis as soon as the drilling and/or the use of the site is completed. Re-vegetation and reclamation of drill sites disturbed by the drilling process will be completed to provide for the rehabilitation of native plant cover and soil stability. The ground which exploratory drilling will occur is undeveloped and primarily wooded grasslands. The affected land will be re-seeded with a native grass mixture appropriate for the Northern Hills District of the Black Hills National Forest under recommendation and approval by the Pennington County District Conservationist. The Conservationist will recommend a particular mix of Canada wild rye, slender wheatgrass, western wheatgrass, annual rye and prairie june grass.

The implementation of the Solids Removal Unit will allow Mineral Mountain to carry out diamond drilling without the necessity for the construction of PVC-lined sumps.

The drill sites will be reclaimed after completion of each phase of drilling. The drill rig and all equipment will be demobilized. The site will be leveled, graded, contoured and seeded with reclamation seed mix provided by the Pennington County Conservationist. Every hole will be capped, sealed and plugged (grouted and / or cemented) as per ARSD 74:11:08 (plugging Standards) immediately following the completion of each drill hole, before mobilizing to the next drill set-up.

VI. FOREST SERVICE EVALUATION OF PLAN OF OPERATIONS

- A. **Required changes/modifications/special mitigation for plan of operations:**

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- B. **Bond.** Reclamation of all disturbances connected with this plan of operations is covered by Reclamation Performance Bond No. _____, dated (mm/dd/yy) _____, signed by _____ (Principal) and _____ (Surety), for the penal sum of _____. This Reclamation Performance Bond is a guarantee of faithful performance with the terms and conditions listed below, and with the reclamation requirements agreed upon in the plan of operations. This Reclamation Performance Bond also extends to and includes any unauthorized activities conducted in connection with this operation.

The bond amount for this Reclamation Performance Bond was based on a bond calculation worksheet. The bond amount may be adjusted during the term of this proposed plan of operations in response to changes in the operations or to changes in the economy. Both the Reclamation Performance Bond and the bond calculation worksheet are attached to and made part of this plan of operations. Acceptable bond securities (subject to change) include:

1. *Negotiable Treasury bills and notes which are unconditionally guaranteed as to both principle and interest in an amount equal at their par value to the penal sum of the bond; or*
 2. *Certified or cashier's check, bank draft, Post Office money order, cash, assigned certificate of deposit, assigned savings account, blanket bond, or an irrevocable letter of credit equal to the penal sum of the bond.*
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(If more space is needed to fill out a block of information, use additional sheets and attach form)

VII. TERMS AND CONDITIONS

- A. If a bond is required, it must be furnished before approval of the plan of operations.
- B. Information provided with this plan marked confidential will be treated in accordance with the agency's laws, rules, and regulations.
- C. Approval of this plan does not constitute certification of ownership to any person named herein and/or recognition of the validity of any mining claim named herein.
- D. Approval of this plan does not relieve me of my responsibility to comply with other applicable state or federal laws, rules, or regulations.
- E. If previously undiscovered cultural resources (historic or prehistoric objects, artifacts, or sites) are exposed as a result of operations, those operations will not proceed until notification is received from the Authorized Officer that provisions for mitigating unforeseen impacts as required by 36 CFR 228.4(e) and 36 CFR 800 have been complied with.
- F. This plan of operations has been approved for a period of _____ or until (mm/dd/yy) _____. A new or revised plan must be submitted in accordance with 36 CFR part 228, subpart A, if operations are to be continued after that time period.

VIII. OPERATING PLAN ACCEPTANCE

☐ I/We have reviewed and agreed to comply with all conditions in this plan of operations including the required changes, modifications, special mitigation, and reclamation requirements.

☐ I/We understand that the bond will not be released until the Authorized Officer in charge gives written approval.

Signature of ☐ Operator (or ☐ Authorized Representative)

(Date)
(mm/dd/yy)

IX. OPERATING PLAN APPROVAL

(Name)

(Title)

Signature of (Authorized Officer)

(Date)
(mm/dd/yy)

Burden and Non-Discrimination Statement

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0022. The time required to complete this information collection is estimated to average 12 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.

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