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MINERALS & MINING PROGRAM

REQUEST FOR DETERMINATION
SPECIAL, EXCEPTIONAL, CRITICAL,
OR UNIQUE LANDS AND NOTICE OF
INTENT TO OPERATE

Name of Operator Blake Harold Chanley

Office Address 514 Americas Way, Suite # 7045
Box Elder, SD 57719-76

Telephone 321-205-6706

Local Address as above

Telephone as above

Legal Description Rochford Quadrangle → T2N, R4E,
S33, SW¹/₄ NE¹/₄ SE¹/₄ and portions of NW¹/₄
SE¹/₄ SE¹/₄ and SE¹/₄ NW¹/₄ SE¹/₄ and NW¹/₄ NE¹/₄ SE¹/₄

County Pennington County

Name and Address of Surface Owner USFS
US Forest Service Mystic Ranger District
8221 South Highway 16 Rapid City, SD 57702

Name and Address of Mineral Owner Blake Harold Chanley
514 Americas Way, Suite # 7045
Box Elder, SD 57719-76

Name and Address of Surface Owners Within 500 Feet of the Proposed Mining Operation
none

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 Blake Harold Chanley

Title Operator Date 05-31-2018

FOR DEPARTMENT USE ONLY

The land described in this Request for Determination of Special, Exceptional, Critical, or Unique Lands and Notice of Intent to Operate () is () is not eligible for inclusion on the list of special, exceptional, critical, or unique lands.

Secretary, Department of Environment and Natural Resources

Date _____

Operator Appeal Date _____

Intervenor Contest Date _____

The land described in this Request for Determination of Special, Exceptional, Critical, or Unique Lands and Notice of Intent to Operate () is () is not eligible for inclusion on the list of special, exceptional, critical, or unique lands.

Chairman, SD Board of Minerals and Environment

Date _____

The Cutty Sark mine is operated by Blake Harold Chanley. It contains land that was previously mined from approximately 1894 to 1902, and, to the operator's knowledge, has never been reclaimed, leaving old tailing piles and exposed rock with sparse vegetation. The operator is still in the exploratory phase of development at the site. (Please see IV. C. Project Description on page 3 of the attached "Plan Of Operations For Mining Activities On National Forest Lands".) The previous workings are below ground. A nearly vertical shaft of over 100 feet accesses these workings. Therefore, very little disturbance of the surface is foreseen. Most of the unwanted material will remain underground. There are sufficient open spaces underground to achieve this. The operator will not be using any amalgamation processes because all research indicates that free gold was found in this mine. As a result, chemicals will not be used. The operator asks that the entire 20 acre claim boundary be reviewed for the Scenic and Unique request. But an area no more than 10 acres will be utilized as a staging area for equipment. (This area is indicated on the attached map.) (IV. A. Access on page 2 of the aforementioned "Plan Of Operations" also gives greater detail concerning access routes to the work site.) This area also includes space for a sluice so that gravity separation might be employed. And the former tailings are within this area as well. Whatever material that is brought to the surface and becomes waste will be added to the previous tailings.

Please notify me, not only by mail, but also by email of important dates such as the inspection date of the site. My email address is: knighttemplaroftherealm@hotmail.com

1. The land in the proposed area of operations does not appear to be ecologically fragile. There are no perennial or ephemeral streams or bodies of standing water. The claim encompasses a ridge line which has pine trees on it and sparse vegetation. There is very little evidence of wildlife beyond the occasional chipmunk or bird. The previous workings do not appear to have adversely affected the area. The operator is a casual, small scale miner. The amount of material worked will not compare to what was previously accomplished between the years of 1894 and 1902 and will be largely underground as previously stated. (Please see V. A., B., C. and G. on pages 3-5 of the aforementioned "Plans Of Operations".) The operator will not come anywhere near exceeding 25,000 tons per year. Therefore, the ecological role of this area should be almost entirely undisturbed.

2. For the reasons stated above, the operator does not believe that this area has such a strong influence on the total ecosystem that adverse effects upon it could precipitate a system-wide ecological reaction. Furthermore, even if it did, the proposed operations will not rise to the level of causing such adverse effects.

3.

Scenic: The proposed area is not unique to the Black Hills. (Please see V. D. Scenic Values on page 4 of the aforementioned "Plan Of Operations".)

Historic: Other than the old mining shaft, which is simply a large hole in the ground, the operator is aware of nothing of historical value on the site.

Archaeological: No known archaeological evidence has been identified on the site.

Topographic: The site is naturally forested in a way that is very consistent with the rest of the Black Hills. The area encompasses the top of a ridge that is part of the surrounding timber covered hills. There is nothing unique about the site topographically.

Geologic: The geologic make up of this site is similar to that in the rest of the Black Hills.

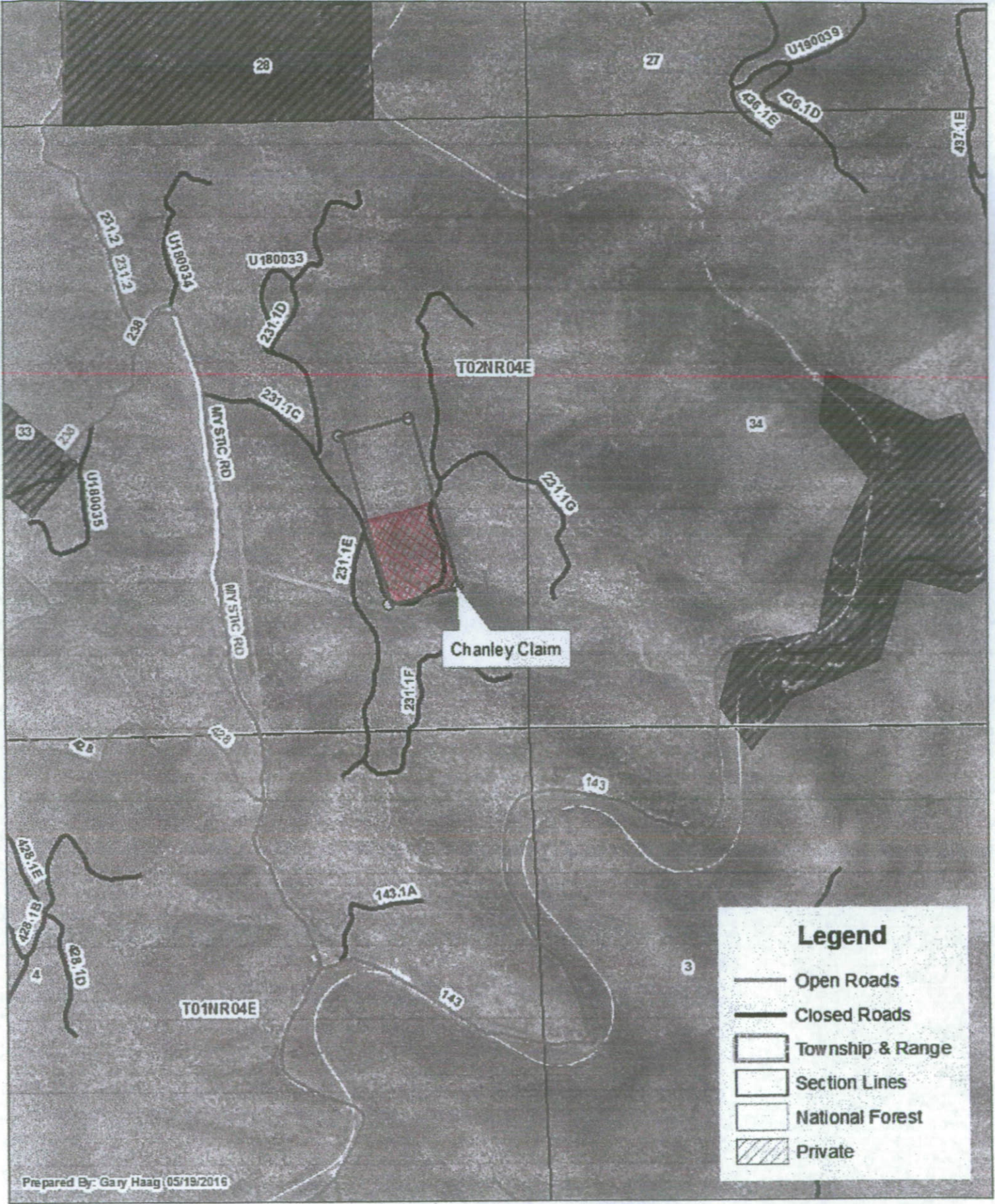
Ethnologic: There are no known ethnologic concerns.

Scientific: There are no unique scientific characteristics indicated in the soil, vegetation or wildlife at this site. Observations, thus far, have indicated no endangered, threatened or rare plants or animals.

Cultural: There are no cultural concerns on the site.

Recreational: The site is near trails/logging roads that are open to hikers and those on horseback. The operator, for reasons already stated, does not foresee any impact upon the area insofar as it being enjoyed by anyone hiking or riding horses. (Please see V. E. Fish and Wildlife on page 5 of the aforementioned "Plan Of operations".)

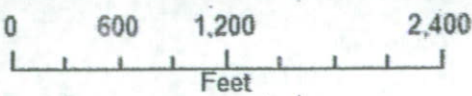
In conclusion, most of the work will be done underground in a pre-existing hard rock mine. The operator's goal is to enjoy the activity and perhaps find a modest amount of gold. Little or no reclamation should be necessary. However, the operator intends to clean up the area of pre-existing wood with nails in it, pipe, cable, etc., (vestiges of the work that was done before) so as to make the area safer and improve the scenic value of the land as current work proceeds.



Prepared By: Gary Haag 05/19/2016

Legend

- Open Roads
- Closed Roads
- Township & Range
- Section Lines
- National Forest
- Private



Chanley Claim
 T2N, R4E, SE 1/4, Section 33
 Pennington County, South Dakota

★ Red cross hatching is area up to 10 acres for equipment, processing and tailings.

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:	Blake Harold Chanley	Operator	02-26-2018
	Signature	Title	Date <small>(mm/dd/yy)</small>
	Signature	Title	Date <small>(mm/dd/yy)</small>

Plan Received by:			
	Signature	Title	Date <small>(mm/dd/yy)</small>

I. GENERAL INFORMATION

- A. Name of Mine/Project: Cutty Sark
- B. Type of Operation: Lode gold/silver operation
(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: 06-01-2018
- E. Expected total duration of this operation: 5 years
- F. If seasonal, expected date (mm/dd/yy) of annual reclamation/stabilization close out: Not seasonal
- G. Expected date (mm/dd/yy) for completion of all required reclamation: 06-01-2023

II. PRINCIPALS

- A. Name, address and phone number of operator:
Blake H. Chanley; 514 Americas Way, Suite #7045, Box Elder, SD, 57719-7600; cell phone (321) 205-6706
- B. Name, address, and phone number of authorized field representative (if other than the operator).
Attach authorization to act on behalf of operator.
none
- C. Name, address and phone number of owners of the claims (if different than the operator):
none

(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:

none

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
MMC232663	Cutty Sark	033	002 N	004 E
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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.

Access to the claim is off of C318/231 (Mystic Road) to the east on 231.1C through the gate. From that gate, one continues on the logging road, 231.1C, to the base of the ridge and up a cleared path just before the southwestern corner post of the claim, to the site. Other than the possibility of removing fallen timber, there is no planned maintenance or reconstruction proposed. No new roads or culverts are planned. The gate at 1C has been damaged by fallen timber. The operator proposes that, if the Forestry Service will provide the material, this gate be restored to working condition so that the site can be more conveniently accessed. The operator is happy to do the work at no charge to the government. Of course, a key is requested to the lock on the gate in question.

Also, for the sake of consistency and the security of the claim, it would be preferred that there is another gate constructed further to the east where there is an access point to the area off of 143 (George Frink Road). The vehicles used are a school bus and an ATV. No heavy equipment will be used. A map with the claim boundaries and roads are shown in (Attachment A).

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.

There are no known perennial or ephemeral streams, creeks or springs on the claim. There is no standing water. No settling ponds, stream channels or run-off diversions are planned. No drill pads will be used. No timber disposal or clearance is proposed. Future mining will be done below ground at the bottom of the pre-existing shaft located on the site. Therefore, there will be no need for surface trenches or pits. No waste dumps will be necessary at this time.

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

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- 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.

The operator is attempting to complete the exploratory phase at this site. Therefore, no actual mining or milling is planned at this time. All operations will be limited to nonmechanical methods pending approval of a small scale mining permit. However, when that approval is obtained the operator would like to use a winch to lower personnel into the shaft and raise them from it. The winch will be powered by the ATV. And, for the purpose of obtaining samples, an air compressor with a pneumatic chipping hammer will be utilized. It will be powered by a gas generator. There will be no more than four people working the claim, and, most of the time, it will be less. Hours of operation will be during the daylight.

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- 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.

No heavy equipment will be utilized. A school bus will be parked just inside the gate at 1C. And an ATV will be used for transportation to and from the claim.

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- 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.

No fixed structures, portable structures or facilities are proposed. The school bus will serve as living quarters and provides cargo space. Therefore, no engineering drawings are included. Any temporary camping will be in accordance with the Black Hills Forest Service Plan.

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.

No burning of slash disposal or dust abatement on roads is proposed. Therefore, there will be no impact on air quality. No open campfires are planned. The operator will comply with applicable Federal and State air quality standards, including the requirements of the Clean Air Act. Dust and exhaust production will be minimal. The quantity of slash produced will be too small to warrant burning.

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

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.*
1. There should be minimal impact to the environment as there are no streams or standing water in the area. Furthermore, water will not be continuously removed from any water body, nor will waste water be continuously generated.
 2. There will be no surface water runoff and so no threat of erosion.
 3. This will be unnecessary.
 4. This will be unnecessary.
 5. No land application is proposed for waste water disposal. The operator will comply with applicable Federal and State water quality standards, including regulations issued pursuant to the Federal Water Pollution Control Act and Federal Clean Water Act.

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.*

Any solid waste produced at the claim will be hauled to a permitted off-site facility for disposal. There will be no industrial waste products created at this location. Future waste rock and tailings generated are relatively inert and do not pose a threat to water quality or the environment.

D. Scenic Values. *Describe protection of scenic values such as screening, slash disposal, or timely reclamation.*

The working area is not near any road open to vehicular traffic. Because the entrance to the site is at the crest of a ridge and future work will be done underground, anyone using the logging roads will be unable to view the operation. There is no slash disposal proposed. The claim is not visible from any road or viewing area. No disturbances to the surface are proposed.

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

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.*

There are no streams, springs or standing water so no fisheries will be endangered. No endangered or sensitive species have been observed in the working area. If an endangered or sensitive species is observed, all work will cease and the proper authorities will be contacted. There will be no disturbances to the surface so reclamation is unnecessary.

F. Cultural Resources. *Describe measures for protecting known historic and archeological values, or new sites in the project area.*

No known historic or archaeological sites have been identified in the claim area. If a historical or an archaeological discovery is made, all work will stop and the proper authorities will be contacted.

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.*

No hazardous substances including cyanide, solvents, petroleum products or reagents of any kind will be used. No petroleum products will be stored on the site.

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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.*

No hazardous substances will be used or transported.

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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.*

No hazardous substances will be used. Automotive fluids will be the only substances considered hazardous and measures will be taken to contain and remove any leaked fluids. Should a petroleum product spill or leak occur on the site, the contaminated soil will be removed and disposed of in an approved disposal site in accordance with instructions from the Forestry Service and appropriate State agencies in a timely manner. A spill safety kit will be on site.

(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.

No structures are proposed. There is no standing water. There are no plans to alter the surface in any way. Reclamation efforts should be unnecessary. However, should any unforeseen changes occur, the area will be reclaimed to topographically resemble its surroundings.

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.*
-

(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

- / 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.
- / 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.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

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.

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