

Application for Permits to Mine in Alaska (APMA)

Single Year _____ Multi-year Start: _____ Finish: _____ APMA Number (A/F/J, Year, ****) _____

| | | | |
|---|--|--|--|
| What type activity are you planning to perform? *REQUIRED (1) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> Suction Dredging/Reclamation Placer Mining/ Reclamation Hardrock Exploration/ Reclamation </div> <div style="width: 45%;"> Reclamation Only Access </div> </div> | | Surface estate of mineral properties: *REQUIRED (2) <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> State (General) Private (Patented) Private (Native Corp.) </div> <div style="width: 45%;"> State (Mental Health) Federal City or Borough </div> </div> | |
| Check All That Apply: Mineral Property Owner Lessee Operator *Required (3) Name: _____ Primary Phone Number: _____ Address: _____ Secondary Phone Number: _____ _____ Email: _____ Click here for the Department of Commerce Link Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____ | | | |
| Check All That Apply: Mineral Property Owner Lessee Operator *Required (4) Name: _____ Primary Phone Number: _____ Address: _____ Secondary Phone Number: _____ _____ Email: _____ Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____ | | | |
| Check All That Apply: Mineral Property Owner Lessee Operator *Required (5) Name: _____ Primary Phone Number: _____ Address: _____ Secondary Phone Number: _____ _____ Email: _____ Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____ | | | |
| Check All That Apply: Mineral Property Owner Lessee Operator *Required (6) Name: _____ Primary Phone Number: _____ Address: _____ Secondary Phone Number: _____ _____ Email: _____ Attach a separate sheet for additional contacts Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____ | | | |
| Project Name If Applicable: (7) | Average Number of Workers: *REQUIRED (8) | Start-Up/Shut Down: (Month/Day) (9) _____ to _____. | |
| Mining District: *REQUIRED (10) | Applicable USGS Map(s): *REQUIRED (11) | On What Stream Is This Activity? (12) | |
| Legal Description of mineral properties to be worked (MTRS) *REQUIRED (13) Example: Fairbanks Meridian Township 001N Range 003E Sections 15, 16, and 21 or F 001N 003E Sec. 15, 16, and 21 | | | |
| Internal Use Only: Date Application Received Complete: _____ Adjudicator: _____ LAS Entry: _____ Sec 3 CID: _____ Sec 4 CID: _____ Sec 5 CID: _____ Sec 6 CID: _____ | | | |

MINERAL PROPERTIES LIST See Attachment A**(14)**

If requesting more than 12 claims, Are additional sheets with ADL/BLM/USMS and Legal Descriptions Attached? Yes No
 Are any of these mineral properties an Upland or Offshore Mining Lease? Yes No

| | ADL/BLM/USMS # | PROPERTY NAME | | ADL/BLM/USMS # | PROPERTY NAME |
|----|----------------|---------------|-----|----------------|---------------|
| 1. | | | 7. | | |
| 2. | | | 8. | | |
| 3. | | | 9. | | |
| 4. | | | 10. | | |
| 5. | | | 11. | | |
| 6. | | | 12. | | |

INVENTORY OF EQUIPMENT See Attachment B**(15)**

List all mechanized equipment to be used (make, model, type, size, purpose, and number of each, including pumps). Attach additional sheets as necessary. If you are transporting on a trailer to the claim block, include the trailer size.

Check One:

| | Make, Model, Type, Size, Purpose of Equipment or Pump | Quantity of this type | Located on the claim block? | Transporting to claim block? |
|----|---|-----------------------|-----------------------------|------------------------------|
| 1. | | | | |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| 6. | | | | |
| 7. | | | | |
| 8. | | | | |

ACCESS TO THE CLAIM BLOCK See Attachment C, Fig. 1-2, 5-1, 5-2, and Attachment D**(16)**

Access across surface estates not owned by the State requires approval of the managing agency. It is the responsibility of the applicant to contact the owners of private property to obtain authorization for access.

NOTE: It is strongly recommended that you contact the appropriate Regional Land Office as certain roads are subject to Generally Allowed Uses, and authorization (permit or easement) may be required for use of the route with off-road vehicles greater than 1500 lbs curb weight (like mining equipment).

A completed access map must be submitted with your application. Copies of USGS topographic maps at a scale of 1"=1 mile must clearly indicate the proposed access route from start to finish and include appropriate legal descriptions (township and range) on each map sheet. The quadrangle map name should also be indicated (Healy A-3, etc.). Paper size should be limited to 8 1/2" x 11". Do not tape maps together.

Is a complete route map attached, including winter cross country travel if applicable Yes No

Access to the claim block crosses what type of land(s)?

State Mental Health Land City/Borough Federal Private/Patented Private (Native Corp. Land)

Indicate type(s) Existing Access to the Claim Block:

All season Road (These are public easements maintained by municipal, borough, private, or state funds for year round use). List road(s) to claim block: _____

Existing Route or a RST/ RS 2477 Easement with a mineral base surface. _____

If the RST/ RS 2477 Easement(s) has a State of Alaska number, please list: _____

Navigable Water

Aircraft Supported

ACCESS HC THE CLAIM BLOCK, CONTINUED

Indicate type(s) of access to be constructed within the claim block for development of the mineral resource:

Road(s) Helicopter Pad Airstrip

Please describe your construction activities and include mitigation measures to protect water, fish and game resources. Include a time frame for final closure and a reclamation plan for access within the claim block. Attach additional pages if necessary:

If proposed access requires travel over state land(s) that does not have an easement, or by trails that will need to be widened, or via an RST/RS 2477 winter easement (no mineral base surface), or by off road motorized vehicles greater than 1500lb curb weight; then a Winter or Summer Cross Country travel permit is required for access to the claim block. Please completely fill out section 17 if applicable.

CROSS COUNTRY TRAVEL **N/A. no cross country travel**

(17)

Summer Cross Country Travel: Approvals for summer travel are issued from the DNR/DMLW Land section. Applications for LUPs may require sixty to ninety days to process and applications for easements may require six months to one year to process. A performance guarantee, insurance and fees are required before a permit will be issued and will only be released after travel is completed and no negative trail impacts have occurred.

Winter Cross Country Travel: May be approved when ground conditions will support the movement of heavy equipment. Existing easements and trails should be used whenever possible. The winter operation of ground contact vehicles for off-road travel must be limited to areas where ground frost and snow cover are adequate to prevent damage to the vegetation mat and underlying substrate. **A completion report is required within 30 days of travel completion. Travel is generally not authorized after April 15th of each year (extensions may be granted as conditions allow). Cross Country Travel is billable at \$240 for each year of travel.**

A Cross Country Travel Route Map is required to obtain authorization. Is the map attached?

Yes No

Name the individual(s) or business(es) who will be conducting the cross country travel:

List all equipment and vehicles being transported from section 15, including vehicle weights:

State the average total miles traveled in one round trip: _____. State the number of trips proposed: _____.

State the start and end date(s) or period(s) of proposed cross country travel: _____.

Select the following terrain type(s) that best describes your route of travel: Wetlands Tundra

Uplands Rivers or Other Water Bodies Wooded Areas (6" Trees or larger at breast height)

Will water be needed to construct ramps/ ice bridges? Yes No

If Yes, estimated quantity of water will be used _____ gallons/day WaterSource: _____

CROSS COUNTRY TRAVEL, CONTINUED

Are you transporting fuel? Yes No

The volume of fuel and hazardous substances to be used is the total volume (in gallons) to be carried on one vehicle and any trailers or sleds that vehicle is towing.

Maximum volume of fuel (in gallons) that is being transported by one vehicle and any trailers or sleds it is towing:

Are you transporting other hazardous substances? Yes No If "yes", indicate type and amount (e.g. gallons, lbs, psi):

How are petroleum products contained? (i.e., drums, bladders, steel tanks, etc.) Indicate size of containers:

How are petroleum products being transported? (i.e., skid-mounted tank; trailer; 55 gallon drums on skid; etc.)

Do you have an Oil Discharge Prevention and Contingency Plan approved by the Alaska Department of Environmental Conservation? Yes No

Do you have either a trained spill response team or a contract with a spill response company? Yes No

Describe any measures you plan to take to minimize drips or spills from leaking equipment or vehicles:

Does your cross country travel include the staging or storage of equipment or structures off the claim block? Yes No

If Yes, describe the location and dimensions of the long term or short term parking and/or storage areas.

PETROLEUM PRODUCTS AT PROJECT SITE

(18)

Will Petroleum Products Be Stored on the Project Site?

0-1,320 gallons of total storage (Secondary Containment recommended, but not required)

1,321-10,000 gallons of total storage (count only containers with a capacity of 55 gallons or greater). A self-certified Spill Prevention, Control, and Countermeasure (SPCC) plan is required and applies to all products, such as diesel fuel, gasoline, lube oil, hydraulic oil and waste oil. The self certified SPCC form can be downloaded at: <https://www.sfdph.org/dph/files/EHSdocs/ehsHMUPAdocs/TIERIQFSPCCPlan.pdf>.

BLM Operators are encouraged to use the optional BLM-Spill contingency plan that can be downloaded at:

https://www.blm.gov/sites/blm.gov/files/BLM-AK_spill-contingency-plan_APMA_worksheetSup.pdf

10,000+ gallons of total storage (count only containers with 55 gallons or greater storage capacity). An SPCC certified by a professional engineer is required and applies to all oil products, such as diesel fuel, gasoline, lube oil, hydraulic oil and waste oil.

Attachment C, Section 5.2.2 describes fuel handling and storage

AND Attachment E, Section 8 Dredging and Environmental Management Plan

Indicate Distance Stored From Flowing Waters:

water bodies required by DNR is 100 feet). _____ Feet. (Minimum distance from naturally occurring

Is waste oil stored on the project site? Yes No If yes, describe quantity and storage modality: _____.

Are fuel containment berms around storage containers? Yes No Is berm area lined? Yes No

TEMPORARY STRUCTURES/FACILITIES

Attachment C,
Section 5.2, Figs 5-1,
5-2, 5-3

(19)

Is a camp or placement of any temporary structure requested? Yes No
If No, Please explain: _____

Describe all temporary improvements (including buildings, tent platforms, out-buildings, etc., including thier quantity, dimensions and building type.

What type of property is the camp located on? State Federal Private (Patented) City or Borough MHTL
If camp is on private land, provide location: _____

Proposed Perimeter Dimensions of Camp: _____ length (ft) _____ Width (feet).

Request use of existing facilities, list ADL(s): _____

Year-Round Seasonal, from Approx. _____ to _____, annually.

Request to place temporary structures, list ADL(s): _____

Year-Round Seasonal, from Approx. _____ to _____, annually.

| | Temporary New Structures Quantity | Existing Structure Quantity | Use (Shop, office, etc.) | Dimensions (ft x ft) | Dimensions (ft x ft) | Dimensions (ft x ft) |
|---------------|-----------------------------------|-----------------------------|--------------------------|----------------------|----------------------|----------------------|
| Framed | | | | | | |
| Tent | | | | | | |
| Trailer | | | | | | |
| Platforms | | | | | | |
| Out-Buildings | | | | | | |
| Other: | | | | | | |

** If Required, list any other structures on a separate sheet, include dimensions, use and type.*

Grey water and Biological Waste - Describe storage and proposed method of disposal(e.g.; leach line, septic, holding tank, or pit privy):

Solid Waste - Describe the types of waste that will be generated on-site including garbage, scrap metal, industrial; and describe its disposal (e.g.; burn, haul away, buried).

What is the distance grey water, biological, and solid waste will be located from the ordinary high water mark of the nearest freshwater body (lake, stream, river, rivulet, etc.), or the mean high water mark of a saltwater body: _____. Will there be any use of animals (horses, dogs, goats/sheep, etc)? Yes No

Required: Dismantle, Removal, and Restoration Plan: Provide a plan for dismantling and removing structures, equipment, and storage tanks. Include the method and timeline for restoration of all location areas. _____The

MINING METHOD**(20)**

Mechanical Placer Mining (e.g., terrestrial open-cut operations with dozer or excavator, etc.)

**See Attachments
C and F**

Estimated cubic yards processed annually: _____

Suction dredge Mechanical dredge (e.g., excavator or clam-shell)

List all suction and mechanical dredges. If information is not applicable, write "N/A." Attach extra sheet if necessary.

| | Dredge 1 | | Dredge 2 | | Dredge 3 | |
|---|-------------------------|--------|-------------------------|--------|-------------------------|--------|
| Vessel ID (Name or Number) | | | | | | |
| Vessel Dimensions | | | | | | |
| Suction Dredge Intake Nozzle Diameter / Pump Size | Inches: | HP: | Inches: | HP: | Inches: | HP: |
| Mechanical Dredge Bucket Volume | Cubic Yards: | | Cubic Yards: | | Cubic Yards: | |
| Processing Rate | Yds. ³ /Hr.: | | Yds. ³ /Hr.: | | Yds. ³ /Hr.: | |
| Wastewater Discharge Rate | GPM: | | GPM: | | GPM: | |
| Maximum Water Depth | Feet: | | Feet: | | Feet: | |
| Average Daily Operating Hours | | | | | | |
| Operation on Sea Ice (Yes/No) | Yes / No | | Yes No | | Yes / No | |
| Vessel Registration # / State | #: | State: | #: | State: | #: | State: |

Location: Offshore / Salt Water

Pond connected to stream

Stream

Pond isolated from stream

Mine cut isolated from stream

EXPLORATION TRENCHING and DRILLING**(21)****Not Applicable**

(Indicate target and trenching locations on sketch sheet and/or topographic map)

Trenching: Yes No

Estimated number of trenches to be excavated: _____ . How long will trenches be open? _____ .

Average Size: Length: _____ Feet Width: _____ Feet Depth: _____ Feet

Drilling: Yes No

Total Number of Holes To Be Drilled: _____ Type of Drill(s) Used: _____

Estimated Maximum Depth: _____ Feet Diameter of Drill Rod/Casing Rod _____ (NQ/HQ/H, Etc.).

Will water be used? Yes No

Indicate how many pumps per water source: _____

Water source name(s): _____

Describe detailed drill plan, closure, plugging methodology, reclamation and abandonment in project narrative.

| Trench/Drilling Location and Mining Claim Information | | | |
|---|---------------------|-------------------------------|-------------------------|
| Trench/Drill ID on Map | ADL/BLM/USMS NUMBER | Decimal Degrees, NAD 83 Datum | |
| | | Latitude | Longitude (approximate) |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

If more than 8 trenches/drill sites, please provide data in tabular format ([APMA tabular data template for reporting proposed activities and reclamation](#))

EXPLOSIVES Not Applicable**(22)**

Will explosives be used? Yes No If "Yes", Indicate: Type: _____ Amount: _____.

Explosive Handler's Certification/ATF Permit Numbers: _____

Describe your blast design, blast schedule, and explosives handling plan in the project narrative.

DAMS Not Applicable**(23)**

No dam required Existing To be constructed

Proposed Structure: Temporary Permanent

Purpose: Makeup water pond Settling/recycle pond Stream diversion Other: _____

Length: _____ ft Height: _____ ft Width At Crest: _____ ft Width At Base: _____ ft

Note: Height should be measured from the lowest point at either the upstream or downstream toe of the dam to the crest of the dam.

Water impoundment capacity (if known): _____ acre-feet

IN-STREAM ACTIVITIES and STREAM CROSSINGS**(24)**

List any equipment that will be crossing streams (including low-water crossings along established trails/roads) or used in any natural waterbody (refer to Box 14 if necessary).or used in-stream (refer to Box 14 if necessary):

Attachment G, MTRS

List all stream crossings, suction dredge or pump locations, including unnamed streams.

| | Stream Name/ Water Source | NAD 83 Datum (approximate) Coordinates can be obtained using Alaska Mapper http://dnr.alaska.gov/mapper/controller | | MTRSC ¼ ¼ Ex: F001S001N01 SWSW | Check boxes to indicate type(s) of activity | | |
|----|------------------------------|--|------------------------|-----------------------------------|--|----------|-----------------|
| | | Latitude ddd.mmmm | Longitude -ddd.mmmm | | Crossing | Dredging | Water Intake |
| 1. | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| 5. | | | | | | | |

If in-stream activities and/or stream crossings are requested at more than 5 locations, please provide tabular data format.

WATER USE AUTHORIZATIONS

Water usage (including from 100% recycle systems) may require approval by either Temporary Water Use Authorization or a Water Right. Information provided below will be used to determine the quantity of water that you may be authorized to use for your mining operation. When estimating water quantities, please estimate withdrawal amounts typical of a dry summer and provide the maximum quantity that you may withdraw from a particular source (e.g. stream, pond, groundwater, etc.) in a season.

A Temporary Water Use Authorization application may be initiated from this APMA application unless a Water Right is requested. Please contact the ADNR, Water Resources Section at telephone number (907) 451-2790 if interested in a Water Right or for more information.

Is there a current Water Right within the proposed mineral property boundary? Yes No

A. START-UP WATER AND MAKE-UP WATER:

Is water withdrawn from any lake, stream, creek, river, etc. (does not include recycling/settling ponds)? Yes No

What is the name(s) of the lake, stream, creek, river, etc.? _____

What are the months of water use needed (for example May 1st through October 31st)? _____

Start-up water: Is water required at the start of the season **to fill** your recycle/settling pond system?

Yes (if **YES**, complete information below). No If yes, what is the source name? _____

Source: Seepage infiltration from groundwater gained from cut and/or stream

Diversion ditch from stream. Number of days diverting from stream for start-up water: _____

Water intake rate: _____ gpm _____ hrs/day

Pump from stream. Number of days pumping from stream for start-up water: _____

Number of water pumps for start-up water: ____ Water intake rate (list for each pump): _____ gpm
_____ hrs/day

Make-up water: Is water required **to maintain** water level in your recycle/settling pond system?

Yes (if **YES**, complete information below). No If yes, what is the source name? _____

Source: Seepage infiltration from groundwater gained from cut and/or stream

Ditch from stream. Number of days diverting from stream for make-up water: _____

Water intake rate: _____ gpm _____ hrs/day

Pump from stream. Number of days pumping from stream for make-up water: _____

Number of water pumps for make-up: ____ Water intake rate (list for each pump): _____ gpm
_____ hrs/day Pump intake size: _____ inches

B. RECYCLE/SETTLING POND SYSTEM.

Beaver ponds or other natural water features will not be permitted for use as settling ponds.

Is a pre-settling pond used?: Yes No Is recycle used?: Yes No

How many ponds are used in the recycle system? _____

Recycle pond is pond #: _____ Settling pond is pond #: _____

C. RECYCLE/SETTLING POND SYSTEM (continued).

Indicate Length (L), Width (W), and Depth (D) of each pond:

| | | | | | |
|-----------------------|-------------|-------------|-----------------------|-------------|-------------|
| Pond # 1: L: _____ ft | W: _____ ft | D: _____ ft | Pond # 2: L: _____ ft | W: _____ ft | D: _____ ft |
| Pond # 3: L: _____ ft | W: _____ ft | D: _____ ft | Pond # 4: L: _____ ft | W: _____ ft | D: _____ ft |
| Pond # 5: L: _____ ft | W: _____ ft | D: _____ ft | Pond # 6: L: _____ ft | W: _____ ft | D: _____ ft |

Estimated hours per day that pump(s) will be used, return line size (in inches), operating pump rate (in gallons per minute), and water usage days per month:

Pump #1: _____ hrs/day _____ inches _____ gpm _____ days/month
Pump #2: _____ hrs/day _____ inches _____ gpm _____ days/month
Pump #3: _____ hrs/day _____ inches _____ gpm _____ days/month

D. CAMP WATER USE.

Is camp water used? Yes No

Maximum number of persons present in camp at a time _____

Camp water source: Well Haul Stream Spring Lake

Name of water source (if any): _____.

Camp pump intake diameter: _____ Camp pump rate: _____ gpm _____ hrs/day

E. EXPLORATION ACTIVITIES.

Is water required for exploration activities? Yes No If yes, what is the source name? _____

If **YES**, What types of exploration activities are being performed? Trenching Drilling

If **YES**, How many total pumps are used in the exploration activities? _____ (Max pumps per source).

Estimated hours per day that pump(s) will be used, return line size (in inches), operating pump rate (in gallons per minute), and water usage days per month: Pump #1: _____ hrs/day _____ inches _____ gpm _____ days/month

A map of your requested drilling water sources is required with the following information:

- MTRS sections,
- stream reaches or other water sources (please label, including take points if known)
- and drill hole locations

F. SUCTION DREDGING.

If suction dredging activity is occurring please ensure that you have completed the dredge table in Section (20) MINING METHOD.

TIMBER CLEARING AND USE (Operations on State Lands Only)

Not Applicable

(26)

Pursuant to AS 38.05.255, timber from land open to mining without lease, except "timberland", may be used by a mining claimant or prospecting site locator for the mining or development of the location or adjacent claims under common ownership. Timber not used for the mining or development of the location or adjacent locations, that is removed from the operation must be acquired via timber sale or written letter of non-objection from the Alaska Division of Forestry.

For questions on the appropriate use of timber on federal mining claims, contact your local BLM field office.

On other lands ("timberlands" and in areas that are closed to mining without lease), timber cleared, used and/or removed must be acquired via a timber sale or a written letter of non-objection from the Alaska Division of Forestry.

Will timber be used for the mining or development of the location or lease? Yes No

Describe the timbered area or areas to be cleared; include a map or drawing of the areas of timber to be cleared.

Describe the amount of timber to be used for the mining or development of the location or lease and the clearing methods you will use.

Are more than 40 acres of timbered area(s) to be cleared? Yes No

11 AAC 86.145. "A classification or designation indicating that timber and other forest products of significant value are included within a mining property is prima facie evidence that the land on which the property is located is considered to be "timberlands" for purposes of AS 38.05.255"

WASTEWATER DISCHARGE PERMIT APPLICATION**(27)**

All mechanical placer mine, suction dredge, and mechanical dredge operations that discharge to a water of the U.S. require an Alaska Pollutant Discharge Elimination System (APDES) permit from DEC. See Cover Pages for a list of APDES permit fees.

Operations wishing to discharge under the APDES Small Suction Dredge General Permit (dredges with intake diameters of 6" or less, or highbankers) may skip this section but must complete annual online registrations, including \$25 fee payments, at <http://alaska.gov/go/2MPF>.

Previously issued DEC-APDES Wastewater discharge permit #: _____

Do you want this APMA to act as an application or renewal for any of the following APDES general permits (GPs)*:

| | | |
|---|-----|----|
| Mechanical Placer Miners GP (open-cut terrestrial operations): | Yes | No |
| Medium-Size Suction Dredge GP (nozzle diameter greater than 6" to 10"): | Yes | No |
| Norton Sound Large Dredge GP (nozzle diameter greater than 10" or mechanical dredge): | Yes | No |

Waterbody the discharge flows directly into, or would potentially flow: _____

Approximate coordinates of mine site:

Latitude: _____ Longitude: _____

Source (e.g., DNR - Alaska Mapper): _____

*Mechanical placer operations that do not elect coverage under the Mechanical Placer Miners GP may be required to obtain coverage under the Multi-Sector General Permit for Storm Water. Contact DEC to terminate a permit.

Optional* - Mixing Zone Request or Termination for Mechanical Placer Mine Operations

Do you wish to apply for a mixing zone and modified turbidity limit from DEC? Yes No

If a mixing zone is requested, provide the following:

Coordinates of discharge location: Latitude: _____ Longitude: _____.

Maximum Effluent Flow anticipated from your operation _____ (GPM) [must be greater than zero (0)].

Distance to nearest downstream drinking water source _____ and downstream placer mine _____.

Do you wish to terminate an active authorized mixing zone? Yes (APDES# _____) No

*A mixing zone authorizes an increase in the permit's turbidity limit based on available dilution from the surface water. Permittees without mixing zones must meet the water quality standard for turbidity at the point of discharge into the surface water.

**Certification Statement – applicable only to information required for DEC authorizations
(required for all DEC permit or mixing zone applicants)**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Responsible Party: _____  _____

Responsible Party Name (First Last, Position) - Printed: _____

Business Name (if applicable) - Printed: _____

**All Placer Mining applicants are required to contact the
U.S. Army Corps of Engineers for submittal requirements.**

An application for a Department of the Army (DA), U.S. Army Corps of Engineers (Corps) Section 404 and/or Section 10 permit includes a Site Description, a Minimization Plan and a Stream Channel Questionnaire. These requirements are contained in three Corps Supplements, which can be downloaded from the Corps' website or obtained directly from a Corps office in paper copy, by email, or mail. Please include these Supplements with this APMA. You may contact the Corps, at any time, to discuss any questions you may have and to determine any additional requirements.

The Supplements are available at: <https://www.poa.usace.army.mil/Missions/Regulatory/Placer-Mining/>

Corps Supplement, Attachment 1, Site Description: Attachment 1 must include general information of the mining activity area including landscape and wetland information. Aerial imagery and site photographs are required. Photos will be used only for the internal review process.

Corps Supplement, Attachment 2, Minimization Plan: The Corps' regional mitigation policy for placer mining operations emphasizes avoidance and minimization of impacts to waters of the United States (U.S.). **Compensatory mitigation is not required.** However, by regulation, a Mitigation Statement covering measures for avoidance, minimization, and compensatory mitigation, or, a reason why compensatory mitigation is not proposed, must be submitted to the Corps with each new APMA for projects that impact waters of the U.S.

Corps Supplement, Attachment 3, Stream Channel Questionnaire: Attachment 3 must include information about any proposed stream diversions or relocations. If your mining activity does not involve the relocation or diversion of a stream, please include this attachment with a statement that diversion or relocation is not part of the project.

- Note:**
- If your APMA requires, but does not include the three Corps Supplements mentioned above, your application will be considered incomplete. The Corps may also contact you for additional information. Please ensure your contact information on the front page is current.
 - For BLM Operators: A complete 404 Wetland Permit Package with additional photos of the upland areas to be mined will be sufficient to meet the requirement for the uplands reclamation baseline data and riparian mitigation measures as required by § 43 CFR 3809.

Provide the Latitude and Longitude of the operation location (DD, NAD83):

Latitude: _____ Longitude: - _____

Source (e.g., DNR - Alaska Mapper): _____

Please list Corps permits previously issued for this site: POA- _____ - _____ , POA- _____ - _____

Certification Statement

The Corps will accept the APMA as a pre-construction notification and/or application, pursuant to 33 CFR 320.1(c). Application is hereby made for a permit to authorize the work described in this APMA. I certify the information in the APMA, and any required Supplements, is complete and accurate. I hereby certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the operator/applicant.

Operator or Agent:

Print Name

Sig

Date

STREAM DIVERSION**(29)**

A MAP OF COMPLETE STREAM DIVERSION IS REQUIRED: Plan Map of Operation included in the APMA should show the entire length of the diversion (i.e. where the water is diverted from the natural stream channel to where it returns to the natural stream channel) with start and end locations clearly marked. Operations on BLM lands that are proposing a stream diversion are encouraged to contact their local field office as early as possible in the permitting process due to additional requirements.

Please note: If you have a stream diversion structure; this structure may also qualify as a dam and be subject to the Alaska Department of Natural Resources Dam Safety Program per definitions provided in AS 46.17.900(3). Complete Section 23 (regarding a Dam) of this APMA. If you require further regulatory guidance regarding dams, please contact our Dam Safety and construction Unit, Dam Safety Engineer at telephone number (907) 269-8636 or for more information go to the Alaska Dam Safety Program website at: <http://dnr.alaska.gov/mlw/water/dams/>

Is stream diversion required? **Yes** (if **Yes**, complete information below). **No**

Stream Name: _____

Existing (Date Constructed _____) To Be Constructed (Date _____)

If a diversion is required or pre-existing, please contact your local ADF&G, Habitat Section for Fish Habitat Permitting information. To facilitate permit issuance, please provide the following information:

Is Stream Diversion? Permanent Temporary _____ year(s) _____ months

Will diversion be reclaimed annually prior to freeze-up or be retained throughout the mine life?

Annually reclaimed/returned to natural stream Maintained throughout mine life

Dimensions of existing stream in diversion area:

Length _____(ft) Top Width____(ft) Bottom Width____(ft) Depth____(ft) Floodplain Width____(ft)

Dimensions of proposed diversion:

Length _____(ft) Top Width____(ft) Bottom Width____(ft) Depth____(ft) Floodplain Width____(ft)

Dominant substrate type (Choose Two): Bedrock Boulder Cobble Gravel Sand Silt/Clay

Note: Diversion should approximate the existing stream in terms of meander bends, length, depth, stream width, and floodplain width.

**(Please provide plan and profile diagrams of diversion in Section 30, PLAN MAP OF OPERATION)
or attach additional sheets as necessary**

(30)

See Attachment C
Figures 5-1, 5-2 & 5-3

VICINITY MAP

| | |
|---|-----------------|
| Date Prepared: | Applicant Name: |
| <p align="center">STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND AND WATER</p> | |
| MAP: | |
| Sec.(s) _____ Township _____, Range _____, Meridian _____ | |
| Scale: 1" = _____ | ADLs: |
| SHEET OF | APMA # |

(Attach additional sheets, along with detailed explanations as necessary)

CROSS SECTION SKETCH *REQUIRED

BEFORE ACTIVITY

(31)

DURING ACTIVITY

AFTER ACTIVITY

| | |
|---|-----------------|
| Date Prepared: | Applicant Name: |
| <p align="center">STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND AND WATER</p> | |
| MAP: | |
| Sec.(s) _____ Township _____, Range _____, Meridian _____ | |
| Scale: 1" = _____ | ADLs: |
| SHEET OF | APMA # |

A narrative of the operation is required. Please use this space to describe the access, process, environmental protection measures and reclamation measures to be used for the duration of this permit. Use prompts provided below and include any additional information relevant to the proposed activities.

DESCRIBE ACCESS TO PROPERTY, DRILL/TRENCH SITES, INCLUDING LENGTH AND TYPE OF ACCESS ROUTES. DESCRIBE ACCESS RECLAMATION MEASURES TO BE CONDUCTED AND TIMELINE:

DESCRIBE EXPLORATION METHOD, SCOPE OF WORK PROPOSED, EQUIPMENT, WHEN AND WHERE ACTIVITIES WILL OCCUR, PERSONNEL HOUSING LOCATION AND CAMP DESCRIPTION:

DESCRIBE SITE PREPARATION ACTIVITIES AND PRE-RECLAMATION MEASURES:

DESCRIBE PAD CONSTRUCTION AND DIMENSIONS:

DESCRIBE DRILL WASTE AND DRILL WATER MANAGEMENT, DRILL FLUIDS AND DISPOSAL METHODS. ATTACH MSDS/SDS FOR ALL SUBSTANCES:

DESCRIBE FUEL HANDLING AT EXPLORATION SITES DRILL (PADS AND TRENCHES) AND OFF SITE (CAMP OR BASE OPERATIONS). DISCUSS SPILL PREVENTION AND RESPONSE PLAN:

DESCRIBE WATER USE INCLUDING ESTIMATE OF DAILY WATER USE:

DESCRIBE HOW THE OPERATION WILL AVOID AND/OR MITIGATE POTENTIAL IMPACTS TO FISH, WILDLIFE AND CULTURAL RESOURCES:

DESCRIBE CLOSURE, PLUGGING METHODOLOGY, SURFACE RECLAMATION AND ABANDONEMENT:

PLACER/SUCTION DREDGE NARRATIVE *REQUIRED

(32)

A narrative of the operation is required. Please use this space to describe the access, mining process, environmental protection measures and reclamation measures to be used for the duration of this permit. Use multiple sheets if **See Attachments C (2020 Narrative) and H (Reclamation Plan)**

DESCRIBE ACCESS, PERSONNEL HOUSING AND CAMP LAYOUT:

DESCRIBE PROGRESSIVE STEPS OF MINING METHOD:

DESCRIBE PLANNED RECLAMATION MEASURES INCLUDING TIMELINE FOR RECLAMATION TO TAKE PLACE:

DISCUSS WATER MANAGEMENT PLANS, INCLUDING USE, SOURCE, QUANTITY AND SURFACE WATER/ EROSION MANAGMENT PLAN:

DISCUSS FUEL STORAGE, HANDLING, AND SPILL PREVENTION AND RESPONSE PLANS:

DISCUSS HOW THE OPERATION WILL AVOID/MITIGATE POTENTIAL IMPACTS TO FISH, WILDLIFE AND CULTURAL RESOURCES:

2022 ANNUAL RECLAMATION STATEMENT

(33)

- ☐ Placer Mining
☐ Suction Dredging
☐ Hardrock Exploration

See Attachment H Reclamation Plan

APMA # _____

Complete and return this statement by December 31, 2022. If you did not operate, fill in your name, check bottom box, sign, and return form.

In accordance with AS 27.19 (Reclamation Act):

I, _____ hereby file an annual reclamation statement for the 2022 mining operation described in subject Application for Permits to Mine in Alaska. (Submission of this statement does not constitute reclamation approval.)

Volume of material disturbed in 2022: _____ cubic yards (Includes strippings and processed material.)

Sluice days last season: _____ Cubic yards of material processed daily: _____ Annually: _____

Total acreage disturbed in 2022: State _____, Federal _____, Private _____. (Includes stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary stream diversions, stream bypasses, and settling ponds.) Federal operators should include area of camp and access roads.

Length _____ feet and Width _____ feet of stream diversion.

Stream diversion: ☐ Temporary ☐ Permanent ☐ No Diversion (check one).

Total Area reclaimed in 2022: _____ acres.

Total un-reclaimed acres: _____ (This should match "total acreage currently disturbed" on the 2023 Reclamation Plan Form.)

For areas reclaimed, the following reclamation measures were used (check only measures that were used).

You must include photographs or videotapes of the completed reclamation work:

- ☐ Spread and contoured tailings
☐ Spread topsoil, vegetation, overburden muck or fines on the surface of contoured tailings
☐ Reestablished flood plain with stream channel in stable position
☐ Ponds are reclaimed
☐ Backfilled and reclaimed temporary stream diversions
☐ Camp removed, cleaned up and left free of debris
☐ Hardrock Exploration: Complete and submit an electronic Annual Reclamation Report

Other Reclamation Measures Taken:

☐ Did not operate in 2022 and therefore did not conduct reclamation.

Relationship to Claim(s)

☐ Owner ☐ Lessee ☐ Operator

☐ Agent For: _____

Signed _____ Date _____


2023 RECLAMATION PLAN FORM (HARDROCK EXPLORATION)

| A. RECLAMATION PLAN | B. RECLAMATION PLAN VOLUNTARY | C. LETTER OF INTENT (34) |
|--|--|--|
| (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres). | (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool. (Operations on BLM Lands and others not filing Letter of Intent). | (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area). |
| In accordance with Alaska Statute 27.19, reclamation is required of all mining operations. Reclamation bonding is required of operations with disturbance of 5 acres or greater. Completion of this application will meet the requirements for a "Reclamation Plan" for operations 5 acres and larger in size and for a "Letter of Intent To Do Reclamation" for operations under 5 acres. If you do not intend to use the reclamation methods presented below, you must provide additional information concerning your plans for reclamation under separate attachments. | | |
| Total acreage currently disturbed: _____ acres. This should match: "Total Unreclaimed Acres" on your 2022 Annual Reclamation Statement for Small Mines, or line #7 on your 2023 Bond Pool Renewal Form. Disturbed ground includes all unreclaimed mining and exploration activity (excluding camps and roads) since October 1991. Federal operators must include areas of camps and roads. | | |
| New acres to be disturbed in 2023 _____ acres. Total acreage (currently disturbed plus new acres): _____ acres. | | |
| Acreage disturbed by land status: _____ State (general) _____ State (Mental Health) _____ Private _____ Federal | | |
| Total acreage to be reclaimed in 2023 _____ acres; Total volume of material to be disturbed in 2023: _____ cubic yards. | | |
| Include strippings and overburden to be removed. Cubic yards = Length (yards) x Width (yards) x Depth (yards). | | |
| Reclamation will be conducted concurrently with activity. Reclamation will be conducted at the end of the season. | | |
| <p align="center">THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:</p> <p>(These measures are required by law. Those that do not apply may be crossed out; but, an explanation must be given.)</p> <ul style="list-style-type: none"> Topsoil, vegetation, and overburden muck, not promptly redistributed to an area being reclaimed, will be individually separated and stockpiled for future use. This material will be protected from erosion and from contamination by acidic or toxic materials and will not be buried by tailings. The area reclaimed will be reshaped to blend with the surrounding area using tailings, strippings, and overburden and be stabilized. Stockpiled topsoil, overburden muck, will be spread over the contoured exploration sites to promote natural plant growth such that Exploration trenches will be backfilled. Brush piles, stumps, topsoil, and other organics will be spread on the backfilled surface to inhibit erosion and promote natural revegetation. All exploration trenches will be reclaimed by the end of the exploration season in which they are constructed, unless specifically approved by the DMLW (Mining operations are required by law to be reclaimed as contemporaneously as practicable with the mining operation to leave the site in stable condition). Shallow auger holes (limited to depth of overburden) will be backfilled with drill cuttings or other locally available material in such a manner that closes the hole to minimize the risk to humans, livestock and wildlife. All drill hole casings will be removed or cut off at, or below, ground level. All drill holes will be plugged by the end of the exploration season with bentonite holeplug or equivalent slurry, for a minimum of 10 feet within the top 20 feet of the drill hole. The remainder of the hole will be backfilled to the surface with drill cuttings. If water is encountered in any drill hole, a minimum of 7 feet of bentonite holeplug or equivalent slurry will be placed immediately above the static water level in the drill hole. (NOTE: The operator understands that complete filling of the drill holes, from bottom to top, with bentonite holeplug or equivalent slurry is also permitted and is considered to be the preferred method of hole closure, unless communicated otherwise by DMLW.) If artesian conditions are encountered, the operator will take all measures practicable to prevent the offsite discharge of those waters subject to 11 AAC 97.240 and will contact the DMLW for approval of hole plugging measures. At closure, all shafts, adits, tunnels, and air vents to underground workings will be stabilized and properly sealed to ensure protection of the public, wildlife and the environment. On state lands, all buildings and structures constructed, used, or improved will be removed, dismantled, or otherwise properly disposed of unless the surface owner or manager authorizes that the buildings and structures may stay. On state lands, all scrap iron, equipment, tools, piping, hardware, chemicals, fuels, waste, and general construction debris will be removed or properly disposed of. Reclamation measures taken will be consistent with any alternative post mining land use approved by the Commissioner, subject to the provisions of 11 AAC 97.300(h) and the conditions (if any) of an approved reclamation plan. <p>IMPORTANT: 1. Alternative reclamation measures may be approved if the reclamation measures presented above are not applicable to your site. Please explain in separate correspondence. Submit a sketch and describe additional reclamation measures you propose to conduct at your operation. Reclamation measures must comply with AS 27.19.</p> | | |
| <p>BONDING: In accordance with AS 27.19, bonding is required for all operations having a mined area of \geq five acres on State Land. This area must be bonded for \$750.00 per acre, unless the miner can demonstrate that a third party contractor can do the needed reclamation for less. The Statewide Bonding Pool may be joined by completing a bond pool application form and meeting certain requirements. No reclamation plan approval goes into effect until the bonding pool deposit and annual nonrefundable fees are paid. Use bond form to calculate area of disturbance for bonding.</p> | | |
| <p>BLM requires that a reclamation plan be consistent with §43 CFR 3809.420, Performance Standards for the Surface Management regulations for Federal Operations. Refer to 43 CFR 3809 or the BLM minerals website available at https://www.blm.gov/programs/energy-and-minerals/mining-and-minerals for more information on what is needed for a reclamation plan on Federal lands, as they may be different than those identified above.</p> | | |
| Printed name (Applicant) _____ Signature (Applicant) _____ | Relationship to Mineral Property: Owner Lessee Operator Agent For: _____ | Date: _____ APMA #: _____ |

2023 RECLAMATION PLAN FORM (PLACER EXPLORATION OR MINING)

| A. RECLAMATION PLAN | B. RECLAMATION PLAN VOLUNTARY | C. LETTER OF INTENT (34) |
|---|--|--|
| (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres). | (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool. (Operations on BLM Lands and others not filing Letter of Intent). | (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area). |
| In accordance with Alaska Statute 27.19, reclamation is required of all mining operations. Reclamation bonding is required of operations with disturbance of 5 acres or greater. Completion of this application will meet the requirements for a "Reclamation Plan" for operations 5 acres and larger in size and for a "Letter of Intent To Do Reclamation" for operations under 5 acres. If you do not intend to use the reclamation methods presented below, you must provide additional information concerning your plans for reclamation under separate attachments. | | |
| <p>Total acreage currently disturbed: _____ acres. This should match: "Total Unreclaimed Acres" on your 2022 Annual Reclamation Statement for Small Mines, or line #7 on your 2023 Bond Pool Renewal Form. Disturbed ground includes all unreclaimed mining and exploration activity (excluding camps and roads) since October 1991. Federal operators must include areas of camps and roads.</p> <p>New acres to be disturbed in 2023 _____ acres. Total acreage (currently disturbed plus new acres): _____ acres.</p> <p>Acreage disturbed by land status: _____ State (general) _____ State (Mental Health) _____ Private _____ Federal</p> <p>Total acreage to be reclaimed in 2023: _____ acres; Total volume of material to be disturbed in 2023: _____ cubic yards.</p> <p>Include strippings and overburden to be removed. Cubic yards = Length (yards) x Width (yards) x Depth (yards).</p> <p>Reclamation will be conducted concurrently with activity. Reclamation will be conducted at the end of the season.</p> | | |
| <p align="center">THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:</p> <p align="center">(These measures are required by law. Those that do not apply may be crossed out; but, an explanation must be given as to why these measures are not necessary at your site.)</p> <ul style="list-style-type: none"> • Topsoil, vegetation, and overburden muck, not promptly redistributed to an area being reclaimed, will be individually separated and stockpiled for future use. This material will be protected from erosion and from contamination by acidic or toxic materials and will not be buried by tailings. • The area reclaimed will be reshaped to blend with the surrounding area using tailings, strippings, and overburden and be stabilized. • Stockpiled topsoil, overburden muck, will be spread over the contoured exploration sites to promote natural plant growth such that the area can reasonably be expected to revegetate within five years. Stockpiled vegetation will be spread over topsoils. • Settling ponds located within the active flood plain and necessary for continued use during the next mining season will be protected from erosion or the fines removed. • If the mining operation diverts a stream channel or modifies a flood plain to the extent that the stream channel is no longer stable, the stream channel will be reestablished in a stable location in the valley flood plain. • The flood plain will be established as appropriate to accommodate seasonal high-water flood events and prevent undue erosional degradation. • Exploration trenches will be backfilled. Brush piles, stumps, topsoil, and other organics will be spread on the backfilled surface to inhibit erosion and promote natural revegetation. • Shallow auger holes (limited to depth of overburden) will be backfilled with drill cuttings or other locally available material in such a manner that closes the hole to minimize the risk to humans, livestock and wildlife. • At placer drift mine closure, all mine shafts, adits, tunnels, and air vents to underground workings will be stabilized and properly sealed to ensure protection of the public, wildlife, and the environment. • On state lands; all buildings and structures constructed, used or improved will be removed, dismantled, or otherwise properly disposed of unless the surface owner or manager authorizes that the buildings and structures may stay. • On state lands; all scrap iron, equipment, tools, piping, hardware, chemicals, fuels, waste, and general construction debris will be removed or properly disposed of. • Reclamation measures taken will be consistent with any alternate post mining land use approved by the Commissioner, subject to the provisions of 11 AAC 97.300(h) and the conditions (if any) of an approved reclamation plan. <p>IMPORTANT: 1. Alternative reclamation measures may be approved if the reclamation measures presented above are not applicable to your site. Please explain in separate correspondence. Submit a sketch and describe additional reclamation measures you propose to conduct at your operation. Reclamation measures must comply with AS 27.19.</p> | | |
| <p>BONDING: In accordance with AS 27.19, bonding is required for all operations having a mined area of greater than or equal to five acres on State Land. This area must be bonded for \$750.00 per acre, unless the miner can demonstrate that a third party contractor can do the needed reclamation for less. The Statewide Bonding Pool may be joined by completing a bond pool application form and meeting certain requirements. No reclamation plan approval goes into effect until the bonding pool deposit and annual nonrefundable fees are paid. Use bond form to calculate area of disturbance for bonding.</p> | | |
| <p>BLM requires that a reclamation plan be consistent with §43 CFR 3809.420, Performance Standards for the Surface Management regulations for Federal Operations. Refer to 43 CFR 3809 or the BLM minerals website available at https://www.blm.gov/programs/energy-and-minerals/mining-and-minerals for more information on what is needed for a reclamation plan on Federal lands, as they may be different than those identified above.</p> | | |
| <p>_____ Printed name (Applicant)</p> <p>_____ Signature (Applicant)</p> | <p>Relationship to Mineral Property:</p> <p>Owner Lessee Operator</p> <p>Agent For: _____</p> | <p>Date: _____</p> <p>APMA #: _____</p> |

2023 RECLAMATION PLAN FORM (SUCTION DREDGE EXPLORATION)

| A. RECLAMATION PLAN | B. RECLAMATION PLAN VOLUNTARY | C. LETTER OF INTENT (34) |
|---|--|--|
| (REQUIRED if the operation will disturb five or more acres this year, OR 50,000 cubic yards, OR if the operation has a cumulative disturbed area of five or more acres). | (for an operation below limits shown in Box A but wanting to qualify for the statewide bonding pool. (Operations on BLM Lands and others not filing Letter of Intent). | (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area). |
| In accordance with Alaska Statute 27.19, reclamation is required of all mining operations. Reclamation bonding is required of operations with disturbance of 5 acres or greater. Completion of this application will meet the requirements for a "Reclamation Plan" for operations 5 acres and larger in size and for a "Letter of Intent To Do Reclamation" for operations under 5 acres. If you do not intend to use the reclamation methods presented below, you must provide additional information concerning your plans for reclamation under separate attachments. | | |
| <p>Total acreage currently disturbed: _____ acres. This should match: "Total Unreclaimed Acres" on your 2022 Annual Reclamation Statement for Small Mines, or line #7 on your 2023 Bond Pool Renewal Form. Disturbed ground includes all unreclaimed mining and exploration activity (excluding camps and roads) since October 1991. Federal operators must include areas of camps and roads.</p> <p>New acres to be disturbed in 2023 _____ acres. Total acreage (currently disturbed plus new acres): _____ acres.</p> <p>Acreage disturbed by land status: _____ State (general) _____ State (Mental Health) _____ Private _____ Federal</p> <p>Total acreage to be reclaimed in 2023 _____ acres; Total volume of material to be disturbed in 2023: _____ cubic yards.</p> <p>Include strippings and overburden to be removed. Cubic yards = Length (yards) x Width (yards) x Depth (yards).</p> <p>Reclamation will be conducted concurrently with activity. Reclamation will be conducted at the end of the season.</p> | | |
| <p>THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:</p> <p>(These measures are required by law. Those that do not apply may be crossed out; but, an explanation must be given.)</p> <p>Stream Suction Dredge Operations:</p> <ul style="list-style-type: none"> Reclamation will be completed prior to the end of the mining season. Reclamation will consist of leveling or contouring all gravel bar and stream bed tailings. Tailings will be left in such a manner that spring run-off will level the tailings without causing undue erosion. In no case will tailing piles extend more than 18 inches above the water surface at the end of the mining season. Prior to the end of the mining season, tailing piles, berms, or wing dams will be removed or left in such a manner to allow unrestricted passage of fish and flood waters. Other: _____ <p>Offshore Suction Dredge Operations:</p> <ul style="list-style-type: none"> Tailings discharged from the dredge to the lake, channel, sound, bay or sea floor will be placed in a manner that will approximate the adjacent floor surface. The dredge shall be moved as necessary to allow for the proper low-profile distribution of tailings. Tailings will be placed in a manner that will maintain a water depth suitable for safe passage of traffic. Other: _____ <p>Generally:</p> <ul style="list-style-type: none"> On all state lands, all buildings and structures constructed, used, or improved will be removed, dismantled, or otherwise properly disposed of unless the surface owner or manager authorizes that the buildings and structures may stay. On state lands, all scrap iron, equipment, tools, piping, hardware, chemicals, fuels, waste, and general construction debris will be removed or properly disposed of. Reclamation measures taken will be consistent with any alternate post mining land use approved by the Commissioner, subject to the provisions of 11 AAC 97.300(h) and the conditions (if any) of an approved reclamation plan. <p>IMPORTANT: 1. Alternative reclamation measures may be approved if the reclamation measures presented above are not applicable to your site. Please explain in separate correspondence. Submit a sketch and describe additional reclamation measures you propose to conduct at your operation. Reclamation measures must comply with AS 27.19.</p> <p>BONDING: In accordance with AS 27.19, bonding is required for all operations having a mined area of \geq five acres on State Land. This area must be bonded for \$750.00 per acre, unless the miner can demonstrate that a third party contractor can do the needed reclamation for less. The Statewide Bonding Pool may be joined by completing a bond pool application form and meeting certain requirements. No reclamation plan approval goes into effect until the bonding pool deposit and annual nonrefundable fees are paid. Use bond form to calculate area of disturbance for bonding.</p> <p>BLM requires that a reclamation plan be consistent with §43 CFR 3809.420, Performance Standards for the Surface Management regulations for Federal Operations. Refer to 43 CFR 3809 or the BLM minerals website available at https://www.blm.gov/programs/energy-and-minerals/mining-and-minerals for more information on what is needed for a reclamation plan on Federal lands, as they may be different than those identified above.</p> | | |
| Printed name (Applicant) _____ Signature (App)  _____ | Relationship to Mineral Property: Owner Lessee Operator Agent For: _____ | Date: _____ APMA #: _____ |

**STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
STATE WIDE BOND POOL FORM**

APMA # _____.

Name

Mailing Address

City

State

Zip Code

Submits unto the State of Alaska, Department of Natural Resources, the sum of

\$ _____ DOLLARS

for payment into the State Wide Bonding Pool to meet the bonding requirements of Alaska Statute 27.19 for mining activity located on claim numbers

These claims are located within legal description (Township, Range, Section, Meridian

This bond amount was calculated as follows:

For **Federal Claims**: The total area of the mining operation, including camp site, access roads, unreclaimed areas, and areas to be stripped for mining next season is _____ acres. Acreage should be rounded to the next whole acre. This acreage must include all areas disturbed by mining operations after January 1, 1981, that have not been approved as reclaimed by BLM. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

For **State and Patented Claims**: The active mining disturbance, not including camp and access roads is _____ acres (acreage should be rounded to the next whole acre). This includes all areas that are part of the mining operation; including stripped areas, mining cuts, overburden and tailing stockpiles and disposal areas, temporary or permanent stream diversions, and settling ponds. This acreage must include all areas disturbed by a mining operation after October 15, 1991 that have not been approved as reclaimed by ADNR. If a mining operation disturbs a previously mined area, that area must also be included in the acreage to be bonded.

Refundable bond deposit (new): _____ acres X \$112.50 = \$ _____.

Nonrefundable bond pool annual fee (new): _____ acres X \$ 37.50 = \$ _____.

Total \$ _____.

Make check payable to 'Department of Natural Resources'. Sign and return form with applicable fees to: DNR - Mining: 550 W. _____ chorage, AK 99501-3577 or 3700 Airport Way, Fairbanks, AK 99709-4699.

Signed - Miner

Date

ADNR - Division of Mining, Land & Water

Date

BLM - Bureau of Land Management

Date

**STATE OF ALASKA, DEPARTMENT OF NATURAL RESOURCES
STATE WIDE BOND POOL RENEWAL FORM
FOR 2023 OPERATIONS**

APMA # _____.

Name _____

Mailing Address _____ City _____ State _____ Zip _____

Submits to the State of Alaska, Department of Natural Resources, a renewal of reclamation bonding in accordance with AS 27.19 for mining activity on claim's: _____.

located in T. _____, R. _____, Sections _____, _____, M. _____.

The amount of the refund or amount owed was calculated as follows:

1. Number of acres bonded in 2022: _____ acres
2. Total number of acres disturbed in 2022? _____ acres

This includes unreclaimed acreage from previous years, October 1991 to present, for state or private lands, and 1981 to present for federal claims. On federal claims include area of camp and access roads.

Bonding credits carried forward from 2022 to 2023:

3. Number of acres bonded in 2022 but not disturbed:
(1 minus 2 above) _____ acres x \$ 112.50 = \$ _____.

4. Number of acres reclaimed in 2022 and approved by BLM/
DNR. _____ acres x \$ 112.50 = \$ _____.

Federal miners must submit a **Financial Guarantee Amount Reduction Form** from BLM. All miners requesting a reduction of acreage must fill out the application for **Bond Release Form**, and include evidence of their reclamation with Photo/Video documentation unless otherwise specified by DNR.

5. Dollar total of lines 3 + 4: \$ _____.

Bonding obligations for 2023:

6. Number of acres disturbed but not bonded in 2022: _____ acres x \$ 150.00 = \$ _____.

7. Total number of all unreclaimed acres: _____ acres x \$ 37.50 = \$ _____.

(line 7 should match "total acreage currently disturbed" on your 2022 Reclamation Plan. (2 minus 4 above)

8. New acres to be disturbed in 2023: _____ acres x \$ 150.00 = \$ _____.

9. Dollar total of lines 6 + 7 + 8: \$ _____.

10. Total acreage bonded in 2023 (7 + 8): _____ acres

If line 5 is larger than line 9 enter the difference here \$ _____. This amount will be refunded.

If line 9 is larger than line 5, the difference is due DNR \$ _____. Make check payable to: DEPARTMENT OF NATURAL RESOURCES.

Signed – Miner _____

Date _____

ADNR - Division of Mining, Land & Water _____

Date _____

BLM - Bureau of Land Management _____

Date _____

NOTICE OF OPERATOR AUTHORIZATION -- MINERAL LOCATIONS

All operators or lease holders submitting APMA's for operations on mineral locations must submit a "Notice of Authorization" from the owner of record. This notice of authorization must name the operator and leaseholder (if different), the mineral properties by their designation (e.g.; ADL, AKFF, USMS, MTRS) and the time frame (beginning and ending dates) for which the authorization remains in effect. The Division of Mining, Land & Water will only issue a mining authorization for private land, per 11 AAC 97.310.(7), after notarized receipt of this Notice.

Please include it with your APMA.

OPERATOR AUTHORIZATION

APMA# _____

| | |
|--|---|
| <p>I, _____, OWNER of mineral property(s):</p> <p>List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS).</p> <p>_____</p> <p>_____</p> <p>(Attach additional sheet if necessary)</p> <p>Have authorized _____.</p> <p>Address of Operator _____.</p> <p>to operate on these claims from ____ / ____ / ____ to ____ / ____ / ____.</p> <p>Owner's Signature _____ Date _____</p> | <p>Check Type of Mineral Property(s)</p> <p>State ADL</p> <p>Federal AKFF/AKAA</p> <p>USMS</p> <p>MTRS (Native Lands)</p> |
|--|---|

NOTARY

Subscribed and sworn to before me this ____ day of _____, 20__.

For (owner)

(Signature of Notary) _____.

My commission expires:

OR (If the LESSEE and OPERATOR are not the same, both sections must be completed)

| | |
|---|---|
| <p>I, _____, LESSEE of mineral property(s) :</p> <p>List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS).</p> <p>_____</p> <p>_____</p> <p>(Attach additional sheet if necessary)</p> <p>have authorized _____ to operate on these claims from ____ / ____ / ____ to ____ / ____ / ____.</p> <p>Lessee's Signature _____ Date _____</p> <p>Lessee's Address _____.</p> | <p>Check Type of Mineral Property(s)</p> <p>State ADL</p> <p>Federal AKFF/AKAA</p> <p>USMS</p> <p>MTRS (Native Lands)</p> |
|---|---|

NOTARY:

Subscribed and sworn to before me this ____ day of _____, 20__.

For (Lessee)

(Signature of Notary) _____.

My commission expires: