



2023 APPLICATION FOR PERMITS TO MINE IN ALASKA

Dear Miner:

Attached to this letter you will find the 2023 Application for Permits to Mine in Alaska (APMA) packet. This packet is applicable to placer mining, hardrock exploration, and suction dredging operations. Miners are encouraged to submit your application early, as applications are processed in the order that they are received. **Please note that processing times are increased during the summer operating season.** Also, miners who are requesting cross country travel authorizations should submit their application at least 60-90 days before the planned travel.

Processing Fees:

The annual application fees have changed and are described in the Fees Section of the application. Other agencies such as the Department of Environmental Conservation and Department of Fish & Game may require additional fees for permits or authorizations.

Multi-Year Renewal Requirements:

For miners applying for a multi-year permit, the following forms still need to be submitted annually:

1. Signed Bond Renewal form with appropriate fees (if applicable), due April 1st.
2. Signed Reclamation Plan or Letter of Intent to Reclaim, due December 31st.
3. Signed Reclamation Statement, due December 31st.

Keep in mind that other permits, such as DEC's Wastewater Discharge authorizations, Mining Tax License, Land Use Permits or US Army Corps of Engineers Wetlands permits, may have expiration dates separate from the DNR multi-year permit expiration date. Miners should be aware of expiration dates on these other permits.

Reclamation Statement: Due December 31st, 2022

As a reminder, applicants are required to file an Annual Reclamation Statement by December 31, 2022, to keep their small miners' exemption from bonding requirements or to satisfy the reporting requirements of their previous reclamation plan. This statement is due whether or not activity took place in 2022 for existing permittees. If assistance is required, please feel free to contact one of our offices listed above.

Submit completed application and appropriate fee(s) to the following DNR office:

DNR Division of Mining, Land & Water
3700 Airport Way
Fairbanks, AK 99709-4699
dnr.fbx.mining@alaska.gov
Phone: (907) 451-2736
Fax: (907) 451-2703

Sincerely,
DNR Mine Permitting Staff

STATE OF ALASKA
Application for Permits to Mine in Alaska (APMA),
For Placer Mining, Suction Dredging, and Hardrock exploration

Generally, to conduct such activities in the State of Alaska, permits and licenses may be needed from several State and Federal agencies. For convenience, your APMA will be initially reviewed for completeness by the Alaska Department of Natural Resources (ADNR) and then distributed to the other agencies that utilize the APMA as the application form from which they issue their respective permits.

This application should satisfy the requirements to obtain permits and approvals from the following State government agencies; however, additional information may be required.

ADNR Division of Mining, Land & Water (DMLW), Mining Section (DNR-Mining)

On State Mining claims, Prospecting Sites, or the Nome Public Mining Areas:

- Miscellaneous Land Use Permit (MLUP) 11 AAC 96.040 -or-
- Approved Plan of Operations (APO) 11 AAC 86.150 -or-
- Other written authorization as appropriate for surface use of a mining property. 11 AAC 86.145

On State Upland Mining Leases, Offshore Prospecting Permits, and Offshore Mining Leases:

- Approved Plan of Operations (APO) 11 AAC 86.800 -or-
- Other written authorization as appropriate for surface use of a mining property. 11AAC 86.145

All State Lands:

The building, placing, or uses of surface structures or other surface improvements, including airstrips and roads, within the boundaries of a mineral property must be approved through a plan of operation, land use permit or other written authorization. An active approval is needed for structures, improvements, and equipment to remain on state land. (AS 38.05.255(a)).

All Mining and Exploration Operations (regardless of land status or ownership):

- Reclamation Plan Approval and Reclamation Bonding. AS 27.19.030, AS 27.19.040 -or-
- Reclamation Letter of Intent for small, exempt operation. AS 27.19.050

ADNR DMLW, Land Section (DNR-Lands)

- Land Use Permits: For summer cross country access and surface activities exceeding Generally Allowed Use (11 AAC 96.020) on State land other than on mining claims, prospect sites and mining leases. For questions about your route, what supplemental forms may be required and what type of use is allowed, contact the appropriate Regional Land Office: Southcentral Office: (907) 269-8503 Northern Office: (907) 451-2740 or Southeast office: (907) 465-3400.

ADNR DMLW, Water Section (DNR-Water)

- Temporary Water Use Authorization for significant amount of water (including the use of 100% recycle systems). For questions, contact Kindra Geis at (907) 451-2790 or kindra.geis@alaska.gov.

ADNR DMLW, Water Section – Dam Safety Program (DNR-Dam Safety)

- Artificial barriers (dams) come under the jurisdiction of the Dam Safety Program when they meet definitions under AS 46.17.900(3). For questions, contact Ben Wagner at (907) 269-8636 or ben.wagner@alaska.gov.

USACE Placer Mining Contact

- Ellen Lyons, 907-347-3481, regpagemaster@usace.army.mil
More information at <https://www.poa.usace.army.mil/Missions/Regulatory/Placer-Mining/>

Alaska Department of Environmental Conservation (ADEC)

- Wastewater Discharge General Permit authorization: Permits are required for discharges to waters of the U.S. For questions, contact Nick Dallman (placer mining) at (907) 451-2142 or nicholas.dallman@alaska.gov; or Tim Pilon (hardrock exploration) at (907) 451-2136 or tim.pilon@alaska.gov.
- Questions regarding spill prevention and response visit <https://dec.alaska.gov/spar/ppr.aspx>.
- Notify Nearby Drinking Water Systems: If the project is within a Drinking Water Protection Area (DWPA) for a public water system (PWS), please notify the PWS of the proposed activity. Additional requirements from certain permits apply, such as setbacks from water intakes. DWPAs can be found using an interactive web map application (<http://dec.alaska.gov/das/gis/apps.htm>). PWS contact information can be found at the Drinking Water Watch website (<https://dec.alaska.gov/dww/>) For additional questions, contact the ADEC Drinking Water Program at (907) 269-7656 or online at <https://dec.alaska.gov/eh/dw.aspx>.

Alaska Department of Fish & Game (ADF&G)

- Fish Habitat Permit (Title 16): Permits are required for stream crossings, suction dredging, and alterations to the bed/banks in anadromous fish streams; stream diversions, dams, and water intake structures in all fish bearing waters or any activity that could obstruct the efficient passage and movement of fish. For questions, contact:
 - South Central/Southwest/Anchorage Office: (907) 267-2342 or dfg.hab.infoanc@alaska.gov.
 - Interior/Northern/Arctic/Fairbanks Office: (907) 459-7289 or dfg.hab.infofai@alaska.gov.
 - Mat-Su/Palmer Office: (907) 861-3200 or dfg.hab.infopaq@alaska.gov.
 - Kenai Peninsula/Soldotna Office: (907) 714-2475 or dfg.hab.infosxq@alaska.gov.
 - Southeast/Douglas Office: (907) 465-4105 or dfg.hab.infodou@alaska.gov.
 - Craig Office: (907) 826-2560 or dfg.hab.infocga@alaska.gov.

Office of History and Archeology (OHA)

- In consideration of potentially significant cultural resources, please do not disturb any historical buildings, structures, objects, or artifacts that are located on the site without consultation with the OHA. If cultural resources are discovered during permitted activities, OHA should be contacted to consult on appropriate measures. Examples of cultural resource sites that could be encountered include, but is not limited to:
 - Historical cabin remains (collapsed, standing, or foundations).
 - Adits, dredges or other mining equipment.
 - Other cultural depressions, pits, graves, cemeteries, prehistoric tools, artifacts, or paleontological (fossilized) remains.

For more information or questions, please call the OHA Front Desk and request to speak with one of OHA's Review and Compliance Staff: (907) 269-8700.

This application may serve as notice to obtain permits and approvals from the following Federal government agencies; however, additional information may be required.

Environmental Protection Agency (EPA)

- EPA Spill Prevention control and countermeasures (SPCC): for project with cumulative petroleum storage (*e.g.*, waste oil, fuel, lubricant) greater than 1,320 gallons, only include containers 55 gallons or more in volume, must self-certify a SPCC. Cumulative petroleum storage larger than 10,000 gallons must have a SPCC plan certified by a professional engineer.
- For additional information contact Matthew Carr at (907) 271-3616 carr.matthew@epa.gov or visit <https://www.epa.gov/oil-spills-prevention-and-preparedness-regulations/overview-spill-prevention-control-and>.

Bureau of Land Management (BLM)

- Notice of Plan of Operation: The BLM has simplified the supplemental document package to a worksheet that can be used to provide all the information required per §43 CFR 3809. For the 2023 mining season contact your local BLM field office if you wish to use the supplemental worksheet.
- Please contact your local BLM office if you have questions or to get a hard copy of the worksheet:
 - Anchorage District Office (Covers Glennallen & Anchorage Field offices): (907) 267-1246 BLM_AK_ADO_Mining@blm.gov.
 - Fairbanks District Office (Central Yukon and Eastern Interior Field Offices): (907) 474-2200 BLM_AK_CYFO_Mining@blm.gov or BLM_AK_EIFO_Mining@blm.gov.
 - BLM Alaska State Office Mining Support Group (907) 271-5960
 - BLM_AK_AKSO_Mining@blm.gov

Interagency supplemental forms and documents are available at:
<http://dnr.alaska.gov/mlw/forms/?tab=mining>.

The APMA serves primarily, but not exclusively, as a multi-agency application. Do not assume that this APMA application will suffice for all the permits and authorizations your project requires. Contact each agency with jurisdiction over your project to ensure you have submitted all required applications. This application WILL NOT satisfy requirements for the following:
U.S. Fish and Wildlife Service

- Depending on the location of your mining claim(s), a permit under the Bald and Golden Eagle Protection Act for the take of eagles or their nests and/or a Section 7 Consultation for federally threatened or endangered species under the Endangered Species Act may be needed.
 - To find out if protected species are in the vicinity of or on your claim(s), go to the USFWS Information for Planning and Consultation (IPaC) site at <https://ipac.ecosphere.fws.gov/>. Click on 'Get Started' and select your claim area by manually drawing claim boundaries or uploading a shapefile.
 - If your claim area includes threatened or endangered species, critical habitats, and/or bald or golden eagles (listed under Migratory Birds in the Resources list to the left), please contact your local USFWS office for additional guidance. If you do not have access to the internet to use IPaC, please contact your local USFWS office for assistance.
- To learn more about protecting migratory birds, including timing vegetation clearing and land disturbance activities outside of the breeding season, visit <https://www.fws.gov/alaska-bird-nesting-season> or call your local USFWS office.
- USFWS contact information – Northern Alaska: (907) 456-0203; Southern Alaska: (907) 271-2888.

Alaska Department of Revenue: Alaska Mining License Tax

- Anyone conducting mining in Alaska must obtain a mining license. The mining license forms can be found online at <http://www.tax.alaska.gov/programs/programs/forms/index.aspx?60610>. Please submit your mining license application directly to the Department of Revenue. For questions contact Suzanne Anderson, (907) 269-6948 or suzanne.anderson@alaska.gov.

Department of Natural Resources: Claim information, Rents, Labor, and Production Royalties

- To preserve the right to mine on State lands, a 3% Production Royalty on net income must be submitted each year to Mineral Property Management (AS 38.05.212 and 11 AAC 86.760).
- Other requirements may include Annual Rent and Affidavits of Annual Labor. More information can be found on the DNR Mineral Property Management website at http://dnr.alaska.gov/mlw/mining/min_prop.cfm. For questions contact Andy Schweizer at (907) 269-8550 or andy.schweizer@alaska.gov.

Alaska Mental Health Trust Land Office (AMHTLO), Alaska Mental Health Trust Authority (AMHTA)

- The use of Trust land for recreational activities is allowed under the following conditions: All activities must be a day use only, non-commercial, non-motorized, and in compliance with federal and local laws.
- A general permit is required for all non-commercial, recreational activities that include overnight use (such as camping), motorized use (max curb weight 1,500 lbs.), firewood harvest, subsistence trapping access or aircraft landing. A general permit may be purchased online at: <http://alaskamentalhealthtrust.org/landpermits>.
- Travel with motorized vehicles across Trust land requires written authorization from the AMHTLO.
- Mining claim staking is not allowed on Trust lands.
- To view maps of Trust lands, click on the following link: <https://soa-dnr.maps.arcgis.com/apps/webappviewer/index.html?id=46b2208164754c708436d63de569b06d>.
- For further information, contact the TLO: (907) 269-8658.

Department of Environmental Conservation: Solid Waste Disposal, Remote Camp Permits, Potable Drinking Water Systems

- Solid Waste Disposal, Remote Camps and Lodges Permit: Find the application(s) online at: <https://dec.alaska.gov/eh/solid-waste/permitapps/>
- For more information, contact the Division of Environmental Health, Solid Waste Program at (907) 269-7802.

Federal Mine Health and Safety Administration (MSHA): Mine ID or registration

Contact MSHA directly with general questions: AskMSHA@dol.gov.

In accordance with Alaska Statue 27.19, miners may not engage in mining operations until a reclamation plan has been approved. Operations less than five acres must submit a Letter of Intent to Conduct Reclamation and file an Annual Reclamation Statement. Reclamation Statements must be filed or postmarked by December 31st each year, regardless of the level of activity conducted.

Operations of five acres or more must be bonded. You may either join the Statewide bond Pool or you may submit evidence of an individual financial assurance. All plans and notices on BLM managed lands as per §43 CFR 3809.10 require a separate reclamation plan and bonding, for all disturbed acres, to be filed with BLM. If your operation involves BLM managed federal land, you must obtain BLM approval of your bonding prior to submission of your application to DNR-Mining.

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested, AS 43.05.230, or AS 45.48). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210. In submitting this form, the applicant agrees with the Department to use “electronic” means to conduct “transactions” (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

Fees: APMA filing fees have been increased effective July 1, 2018 (see Director's Fee Order #3 for full fee schedule). Other fees, including fees for authorizations, petitions, and services not subject to a fee waiver reduction provided by DMLW and other divisions within the Department of Natural Resources are provided in 11 AAC 05.020 through 11AAC 05.270 and Department of Fish & Game or other agencies using the APMA application.

DNR-Mining Fees:

A nonrefundable application fee is charged when all APMAs are submitted. Fees vary depending on mineral property type (Lease or Mining Claim), operation size and surface land use.

Miscellaneous Land Use Permit For Mining Claims and Prospecting Sites:

- Less than 5 acres: \$280 for first year, \$80 each additional year up to 5 years (\$600 max).
- More than 5 acres: \$240 for first year, \$80 each additional year up to 5 years (\$560 max).

For Upland Mining Leases, Offshore Mining Leases or those electing a Plan of Operation Approval:

- Less than 5 acres: \$200 for the first year, \$80 each additional year up to 5 years (\$520).
- More than 5 acres: \$400 for the first year, \$200 each additional year up to 5 years (\$1200max).

For Non-State Land Reclamation Plan Approvals (Federal, Private, or Native Corporation lands):

- \$400 for up to 5 years.

Amendments:

- The amendment filing fee is \$200. Changes in operation must be submitted in writing and approved in advance by all affected agencies before the start of such activity.

Additional fees may be billed for surface land use above two acres on mining claims or five acres on leases, for additional staff time, or for reclamation bonding release.

DNR-Water Fees:

A nonrefundable application fee is charged when applicants request a Temporary Water Use Authorization (TWUA) by using this APMA form as an approved alternate form for the Application for Temporary Use of Water.

- The TWUA fee is \$450 for each authorization. Each authorization may include up to 5 sources and can be for a period of up to 5 years. The TWUA fee is in addition to the DNR-Mining Fee and is collected at the time of filing. An annual maintenance fee of \$50 will be billed separately. An additional \$350 fee may be required for amendments.

DNR-Land Fees:

- The application fee for a Land Use Permit for Cross Country Travel is \$400. Additionally, Cross Country Travel is billable at \$240 for each year of travel. Authorizations issued by the DNR-Lands Section may also require bonding and insurance in addition to the application fee and will be billed separately.

Make checks or money orders payable to "Department of Natural Resources" or call to pay by phone. Submit completed application and appropriate fee(s) to the following DNR office:

DNR Division of Mining, Land & Water
3700 Airport Way
Fairbanks, AK 99709-4699
Email: dnr.fbx.mining@alaska.gov
Phone: (907) 451-2736

DEC Permitting Fees:

Applicants who request a wastewater discharge authorization from DEC (section #27) are subject to the following annual fees:

- Mechanical Placer Mines without Mixing Zones: \$225
- Mechanical Placer Mines with Mixing Zones: \$315
- Medium-Sized Suction Dredges: \$90
- Norton Sound Large Dredges: \$71

A \$25.00 discount is available to Mechanical Placer Mines with Mixing Zones and fewer than 20 employees. DEC will mail a separate invoice upon authorization.

APMA Instructions and Check List:

1. State mining regulation require applications to be completed in ink or typed.
2. Maps and plans can be in black and white or in color, provided they are on 8 ½” by 11” sized paper. Over size maps and plans needed to clarify complex operation, are allowed so long as 8 ½” by 11” sized equivalents are included.
3. If an applicant is requesting authorization to conduct activities on more than 12 claims, please attach a complete mineral property list.
4. **HARDROCK APPLICANTS:** If an applicant is requesting authorization to conduct permitted activities on more than 12 claims, planning 5 or more drill holes or trenches, using more than 5 water take points or conducting in-stream activities in more than 5 locations, then the tabular information in Excel is preferred. A template is downloadable at: <https://dnr.alaska.gov/mlw/forms/apma/2022/pdf/AHEA-Reclamation-Spreadsheet.xls> . Please use the workbook provided or similar format.
5. Electronic application materials can be submitted to dnr.fbx.mining@alaska.gov.

Please review the following checklist and make certain all applicable items are included before submitting the application. Incomplete applications will be returned.

All Applicants:

- Are the applicable processing fees, use fees and bond pool fees enclosed?
- Have you written “N/A”, or drawn a diagonal line through any not applicable sections?
- Is there a current, legible sketch and narrative of proposed operation?
- Is the reclamation page signed and dated and the appropriate boxes checked?
- Is the Annual reclamation Report dated and signed?
- If you are not the owner of the listed mineral location, have you provided a notarized Notice of Operator Authorization?
- Are all operators listed? Independent mining subcontractors and other persons not in an employment relationship listed?
- If applicable, have you completed a Statewide Bond Pool Form or Statewide bond Pool renewal Form? Include BLM signature if Federal claims are listed.
- Are all your maps and sketches, paper or electronic, included?
 - Plan map and cross section of operations.
 - Access map(s): Include a map of your summer access and your winter cross country access (if applying). Include the appropriate U.S. Geological Survey (USGS) topographic map or maps at a scale of one-inch equals one mile (1:63,360) overlain with the proposed access route. Identify entire access on and off your claim block from a major road system, airstrip, or boat landing. Reproduced portions of maps in 8 ½” X 11” size is acceptable, provided they are readable and suitable for copying. Each map should be clearly identified with a USGS identifier (*e.g.*, Fairbanks A-3); and a legal description (meridian, townships and ranges involving the route).

- Have you provided a map of your claims? Include a USGS topographic map illustrating: location; claim name; claim number; camp location; airstrips; and appropriate USGS map identifier. Identify those claims with past disturbance and those on which activity will take place this season

Placer and Suction Dredge Applicants:

- If applying for a Wastewater Discharge Permit, have you marked all applicable checkboxes within section 27 of the application and included coordinates and a signature?
- If applying for a stream diversion, have you provided a map with clearly labeled start and end points to the planned diversion? Provide the mining claim number of legal descriptions of your planned or existing diversion.
- Nome Offshore Operator Supplement?

Hardrock Applicants:

- Have you included MSDS sheets for all drilling fluids?
- Have you identified drill targets (points and/or regional targets) for the duration of the permit application?
- Have you clearly described reclamation measures and drill waste handling protocol?

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) <input type="checkbox"/> Suction Dredging/Reclamation <input type="checkbox"/> Reclamation Only <input type="checkbox"/> Placer Mining/ Reclamation <input type="checkbox"/> Access <input type="checkbox"/> Hardrock Exploration/ Reclamation	Surface estate of mineral properties: *REQUIRED (2) <input type="checkbox"/> State (General) <input type="checkbox"/> State (Mental Health) <input type="checkbox"/> Private (Patented) <input type="checkbox"/> Federal <input type="checkbox"/> Private (Native Corp.) <input type="checkbox"/> City or Borough
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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 _____.
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Mining District: *REQUIRED (10)	Applicable USGS Map(s): *REQUIRED (11)	On What Stream Is This Activity? (12)
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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

(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

(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

(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

(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.

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

(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.

EXPLOSIVES

(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

(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):

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.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5.					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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)**

(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: _____

SECTION 404 and SECTION 10 PERMITTING

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

Signature

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

VICINITY MAP

Date Prepared:	Applicant Name:
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND AND WATER	
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:
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND AND WATER	
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:

2022 ANNUAL RECLAMATION STATEMENT

(33)

- Placer Mining
- Suction Dredging
- Hardrock Exploration

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

Signed _____ Date _____

Agent For: _____

2023 RECLAMATION PLAN FORM (HARDROCK EXPLORATION)

<input type="checkbox"/> A. RECLAMATION PLAN (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).	<input type="checkbox"/> B. RECLAMATION PLAN VOLUNTARY (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).	<input type="checkbox"/> C. LETTER OF INTENT (34) (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.

THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:

(These measures are required by law. Those that do not apply may be crossed out; but, an explanation must be given.)

- 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.

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.

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.

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.**

_____ Printed name (Applicant)	Relationship to Mineral Property: <input type="checkbox"/> Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator <input type="checkbox"/> Agent For: _____	Date: _____ APMA #: _____
_____ Signature (Applicant)		

2023 RECLAMATION PLAN FORM (PLACER EXPLORATION OR MINING)

<input type="checkbox"/> A. RECLAMATION PLAN (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).	<input type="checkbox"/> B. RECLAMATION PLAN VOLUNTARY (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).	<input type="checkbox"/> C. LETTER OF INTENT (34) (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area).
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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.

THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:

(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.)

- 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.

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.

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.

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.

_____ Printed name (Applicant)	Relationship to Mineral Property: <input type="checkbox"/> Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator <input type="checkbox"/> Agent For: _____	Date: _____ APMA #: _____
_____ Signature (Applicant)		

2023 RECLAMATION PLAN FORM (SUCTION DREDGE EXPLORATION)

<input type="checkbox"/> A. RECLAMATION PLAN (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).	<input type="checkbox"/> B. RECLAMATION PLAN VOLUNTARY (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).	<input type="checkbox"/> C. LETTER OF INTENT (34) (less than five acres to be disturbed AND less than 50,000 cubic yards AND less than five acres unreclaimed area).
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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.

THE FOLLOWING RECLAMATION MEASURES SHALL BE USED:

(These measures are required by law. Those that do not apply may be crossed out; but, an explanation must be given.)

Stream Suction Dredge Operations:

- 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: _____

Offshore Suction Dredge Operations:

- 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: _____

Generally:

- 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.

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.

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.

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-andminerals> for more information on what is needed for a reclamation plan on Federal lands, as they may be different than those identified above.**

_____ Printed name (Applicant)	Relationship to Mineral Property: <input type="checkbox"/> Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator <input type="checkbox"/> Agent For: _____	Date: _____ APMA #: _____
_____ Signature (Applicant)		

**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. 7th Ave. Suite 900B, Anchorage, 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: _____ acres x \$ 112.50 = \$ _____
(1 minus 2 above)

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

