STATE OF ALASKA
Multi Agency Permit Application
FOR PLACER MINING OPERATIONS (APMA)
FOR PLACER MINING PERMITS; RECLAMATION PLAN APPROVAL;
LAND USE PERMITS (SURFACE STRUCTURES; EQUIPMENT ACCESS);
WATER USE AUTHORIZATION; AND MINING LICENSE

GENERAL: To conduct exploration or mining activities in the State of Alaska, permits and licenses may be required from several State and Federal agencies. This application, when completed, will be distributed by the Division of Mining, Land & Water to those agencies involved in the permitting process.

OPERATIONAL PERMITS: For most exploration and mining operations, the completion of this form should satisfy the application requirements for the following permits. Once you file your application, it will be reviewed by ADNR and distributed online to the other agencies. Each agency will download and review your application and issue their permit. Do not assume that you have all permits you required. We suggest that you contact each agency to make sure your application has been received and processed.
- Miscellaneous Land Use Permit; Approved Plan of Operation (Mining Activity on State Upland Mining Leases; Offshore Mining Leases; Offshore Prospecting Permits); and Reclamation Plan of Approval for a Mining Operation – Issued by the Department of Natural Resources, Division of Mining, Land & Water (DNR, DMLW).
- Miscellaneous Land Use Permit (Access/Surface Activity on State Land Other Than Mining Claims) – Issued by the DNR, DMLW.
- Water Use Authorization – Issued by the Department of Natural Resources, Division of Mining, Land & Water
- Fish Habitat Permits (Title 16) – Issued by the Alaska Department of Fish & Game
- Alaska Mining License – Issued by the Department of Revenue. It is not a license to mine.
- Annual Notice or Plan of Operation – Bureau of Land Management
- Wastewater Discharge General Permit (APDES) – Issued by the Alaska Department of Environmental Conservation (DEC)
- Regional General Permit (RGP 2006-1944) – General Permit for Placer Mining Activity when surface disturbance is 10 acres or less and stream diversions less than 2000 feet in length. Issued by U.S. Army Corps of Engineers (USACE).

OTHER PERMITS OR INFORMATION THAT MAY BE REQUIRED:
- DEC Individual Permit – Separate application may be required for operations that do not qualify for the general permit
- Notice of Operator Authorization Form – Operators on State land, not recorded as owners, submit with APMA.
- USACE Individual Permit – Separate application for mining operations larger than 10 acres that affect waters of the U.S. Please note that fill discharged in waters of the U.S., including wetlands, for road construction or improvement may require a separate Individual Permit application to the USACE.

RECLAMATION: Applications must be submitted early to assure the issuance of permits and approval of reclamation plans before commencement of field operations. In accordance with Alaska Statute 27.19, a miner may not engage in mining activity, involving five or more acres of disturbance on state land, until a reclamation plan has been approved. Operations under five acres must submit a Letter of Intent to Conduct Reclamation and file an Annual Reclamation Statement not later than December 31st.

BONDING: All mining operations, with a mining disturbance of five acres or more on state land, must be bonded per Alaska Statute 27.19. The "State Wide Bond Pool Form", included with this packet, may be submitted with the application to satisfy this requirement or evidence of an individual performance bond may be submitted. Operations of less than five acres disturbance on state land normally do not require bonding. If your operation involves federal land, you must obtain Bureau of Land Management (BLM) approval of your bond pool form prior to submission of the application to a State Division of Mining, Land & Water office.

AMENDED PLANS: Changes in operation must be submitted in writing and approved in advance before the commencement of such activity.

FEES: A $150.00 processing fee applies to each annual application and $50.00 for each amendment to the application.
- "Multi-Year" Miscellaneous Land Use Permit and Reclamation Plan Approval (up to five years); Approved Plan of Operation (up to ten years): $150.00 payable prior to each year’s activities. A discount is available if each year’s fee is paid with the initial application. The discounted cost is $150.00 for the first year and $50.00 for each additional year.
- Make check or money order payable to “DEPARTMENT OF NATURAL RESOURCES.” (NOTE: Water right fees are separate. Applicant will be contacted if required.)
- Applicants who request a mixing zone from DEC (section #26) are subject to an additional $150.00 annual fee. A $25.00 discount is available to facilities with fewer than 20 employees. DEC will mail a separate invoice upon authorization.

STRUCTURES/CAMP FACILITIES: The placement and use of all surface structures must be requested and approved in advance and described in detail. Structures must be necessary for the mining or exploration activity and will be temporary in nature, without permanent foundations. Recreational cabins and commercial recreation businesses are not authorized under mining law. Separate authorization for these activities must be acquired from the Lands Section of the Division of Mining, Land & Water. Please note that fill discharged in wetlands or other waters of the U.S. for the construction of camps may require a separate application to the U.S. Army Corps of Engineers.

SUBMIT COMPLETED APPLICATIONS TO ONE OF THE OFFICES BELOW:

<table>
<thead>
<tr>
<th>Deliver To:</th>
<th>State Division of Mining, Land &amp; Water</th>
<th>OR</th>
<th>State Division of Mining, Land &amp; Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>550 W. 7th Ave, Suite 900B</td>
<td></td>
<td>3700 Airport Way</td>
</tr>
<tr>
<td></td>
<td>Anchorage, AK 99501-3577</td>
<td></td>
<td>Fairbanks, AK 99709-4699</td>
</tr>
<tr>
<td>Telephone</td>
<td>(907) 269-8647</td>
<td></td>
<td>(907) 451-2774</td>
</tr>
<tr>
<td>FAX</td>
<td>(907) 269-8949</td>
<td></td>
<td>(907) 451-2703</td>
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</table>
For us to provide your mining permit before the mining season starts, we need your help. Please submit your application as early as possible! Applications submitted after April 15 will be processed in as timely a manner as possible; however, staff field visits will begin during May, after which, the office time available for the review of applications will be quite limited.

PREPARATION OF APPLICATION: State mining regulations require applications to be completed in ink or by typewriter. All sections MUST be completed. If it is not applicable to the operation, then indicate by “N/A”. Sketches must include all components listed on the sketch checklist -- again, indicate “N/A” if a component does not apply.

ATTACHMENTS: Attachments to your application can be in black and white or color and should measure at least 8 1/2” x 11” in size. Over size or color attachments, required to clarify complex operations, may be provided by the applicant in addition to the 8 1/2” x 11” size used to meet distribution requirements.

CHECKLIST: Please review the following checklist and make certain all applicable items are included before submitting the application – INCOMPLETE APPLICATIONS WILL BE RETURNED.

[ ] Is the applicable processing fee enclosed?

[ ] Are all sections on the application completed? Write “N/A” or “DOES NOT APPLY” or draw a diagonal line through any sections, which do not apply.

[ ] Completed, current, readable sketch and narrative of proposed operation. Include all items listed on sketch checklist.

[ ] Reclamation pages signed and dated with the appropriate boxes checked: 2011 Annual Reclamation Statement (section 33) and Reclamation Plan (section 34)

[ ] Notice of Operator Authorization form -- If you are operating on State mineral locations and are not an owner of the property being worked.

[ ] Completed State Wide Bond Pool Form or State Wide Bond Pool Renewal Form, if applicable.

[ ] Applicable reclamation bonding fees.

[ ] Multi-Year APMA Permit Holder – the following forms must be submitted annually:
  [ ] Signed Annual Reclamation Statement (section 33) – if disturbance is less than 5 acres
  [ ] Reclamation Plan (section 34)
  [ ] Bond Renewal Form – if disturbance is equal to or greater than 5 acres

[ ] Are applicable maps listed below enclosed?

ACCESS MAPS: 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 route to your claim block from a major road system, airstrip, or boat landing. Reproduced portions of maps in 8” x 11” size are acceptable, provided they are readable and suitable for copying. Each map should be clearly identified with: 1) USGS identifier, i.e. Fairbanks A-3; and 2) all legal descriptions (townships and ranges involving the route). List all named and unnamed streams crossed by the access route.

CLAIMS LOCATION MAP: Include a USGS topographic map at a scale of one inch equals one mile (1:63,360), illustrating: location; claim name; claim number; camp location; airstrips; legal description; and appropriate USGS map identifier. Identify those claims with existing disturbance and those on which activity will take place this season.

INCOMPLETE APPLICATIONS WILL BE RETURNED
**STATE OF ALASKA**
Multi-Agency Permit Application (APMA)
FOR
PLACER MINING

Multi-Year Permit Duration: __________________________ Current Year’s Application No: __________________

<table>
<thead>
<tr>
<th>APPLICANT AND SITE INFORMATION</th>
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<tbody>
<tr>
<td><strong>What type activity are you planning to perform?</strong></td>
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<tr>
<td>[ ] Exploration</td>
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<tr>
<td>[ ] Mining/Reclamation</td>
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<tr>
<td>[ ] Suction Dredging</td>
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<tr>
<td>[ ] Access Equipment</td>
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Check, as appropriate, and indicate permit number, if any of the following agencies have issued permits for these mineral properties:

<table>
<thead>
<tr>
<th>DEC- APDES Wastewater Discharge Permit No:</th>
<th>Yes</th>
<th>No</th>
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<tr>
<td>ADF&amp;G – Habitat Permit No:</td>
<td>[ ] Federal</td>
<td></td>
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<tr>
<td>Other State or Federal Permit No:</td>
<td>[ ] Private (Native Corp. Land)</td>
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For new operations, please sign below if you accept a Preliminary Jurisdictional Determination (PJD) from the Corps of Engineers:

Signature needed only for initial application. PJDs are not appealable. If you want to appeal the jurisdictional determination, you must prepare an Approved JD. For additional information, contact the Corps of Engineers in Anchorage (907) 753-2712 or in Fairbanks (907) 474-2166.

**Name of ALL Mineral Property Owners:** (4)

**Lessee:** (5)

**Operator:** (6)

**Mailing Address for official correspondence:**

<table>
<thead>
<tr>
<th>Home Phone (Winter):</th>
<th>Home Phone (Winter):</th>
<th>Home Phone (Winter):</th>
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<tr>
<td>Work Phone (Winter):</td>
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<td>Home Phone (Summer):</td>
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<tr>
<th>Operator’s Federal EIN Number:</th>
<th>Number of Workers:</th>
<th>Intended Start-up/Shut Down (Month/Day)</th>
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<tr>
<th>Mining District:</th>
<th>Applicable U.S.G.S. Quad Map:</th>
<th>On What Stream Is This Activity?</th>
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Legal Description of Mineral Properties To Be Worked (Township; Range; Section; Meridian):

Legal Description of all other project-related activities, such as camps and water access points (Township; Range; Section; Meridian):
LIST ONLY MINERAL PROPERTIES WITH CURRENT DISTURBANCE AND/OR THOSE ON WHICH MECHANIZED MINING WILL OCCUR

Attach additional sheets as necessary AND provide in electronic, tabular format if you are submitting more than 20 properties
(electronic copies can be submitted via e-mail to dnr.fbx.mining@alaska.gov or provided on other media with application packet)

<table>
<thead>
<tr>
<th>ADL/BLM/USMS NUMBER</th>
<th>PROPERTY NAME</th>
<th>ADL/BLM/USMS NUMBER</th>
<th>PROPERTY NAME</th>
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<td>10.</td>
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DESCRIPTION OF OPERATIONS

List equipment to be used (type; size; purpose; and number of each).

List any equipment that will be crossing streams during mining activities.

List any equipment that will be used in the stream during mining activity.

List all streams, including unnamed streams, with the aliquot legal description of the crossing point and any suction dredge locations
(please attach additional sheet as necessary).

<table>
<thead>
<tr>
<th>STREAM NAME</th>
<th>TOWNSHIP</th>
<th>RANGE</th>
<th>SECTION</th>
<th>MERIDIAN</th>
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ACCESS OUTSIDE OF CLAIM BLOCK

Access across state land may require a “Land Use Permit” from the Division of Mining, Land & Water. Access across federal land requires approval of the managing federal agency. Access across private property, including native corporation lands, mental health trust lands, and other private property, may require authorization from the private property owner. It is the responsibility of the applicant to contact the appropriate managing landowner to assure all required permits for access are obtained.

A completed access map must be submitted with your application. Copies of U.S.G.S. 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 ½” x 11”. Do not tape maps together.

Access outside the claim block is on: [ ] State Land [ ] Federal Land [ ] Private Land

Access is: [ ] Existing [ ] To Be Constructed [ ] Both (Explain):__________________________________________

If access is to be constructed, indicate: Type: ________ Length: ________ Feet  Width: ________ Feet  Depth: ________ Feet

A Right-of-Way (ROW) Permit is required from the Department of Natural Resources, Division of Mining, Land & Water, to construct access on state land outside a claim block. “Construction” is the use of mechanized equipment to create or improve access, including dropping the blade or bucket, and/or adding gravel to the surface. Contact the Division of Mining, Land & Water in Anchorage (907) 269-8647, or Fairbanks (907) 451-2793 to determine if a ROW permit is required - applications may require six months to one year to process. NOTE: Any access constructed across “wetlands”, ponds, streams, or other waters of the U.S. including those within your claim block, may require a Corps of Engineers (COE) “404” permit. It is the responsibility of the applicant to contact the COE for a determination as to whether or not this permit is required.

Indicate Type(s) of Access:
[ ] All Season Road -- A road (may be an improved dirt road) intended to be used during all seasons of the year without causing long term damage to the road.
[ ] Winter Cross Country Travel -- Travel is off an all season road with equipment/vehicles other than a standard 4-wheel drive pick-up truck, snowmobile, or 4-wheeler/6 wheeler All Terrain Vehicle (ATV), provided the vegetative mat is not killed or broken.
[ ] Summer Cross Country Travel -- Summer travel without a permit is limited to generally allowed uses on state land (11 AAC 96.020). Summer travel beyond generally allowed uses requires a permit that is requested and permitted by DNR-Lands. A performance guarantee for cross-country travel on state lands may be required. If required, the performance guarantee must be received before a permit will be issued and will be released after travel is completed and no trail damage has occurred. For questions about generally allowed uses, see contact the DNR Public Information Center (Anchorage (907) 269-8400, Fairbanks (907) 451-2705, Juneau (907) 465-3400) or view a fact sheet at http://dnr.alaska.gov/mlw/factsht/gen_allow_use.pdf

[ ] Does the proposed route of travel include use of RS 2477 access? [ ] Yes [ ] No. If the RS 2477 ROW has a State of Alaska RST number please list [ ]. If not, do you wish to nominate the route for RST assertion? [ ] Yes [ ] No.

[ ] Airstrip -- Indicate length: __________________ Feet [ ] River

If you are transporting equipment and/or fuel and require winter cross country travel authorization, please complete the following:
1) List all equipment and vehicles being transported:
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________

2) Are you transporting fuel? [ ] Yes [ ] No  If “yes”, indicate type and amount:
____________________________________________________________________________________________________________________

3) Are you transporting other petroleum products? [ ] Yes [ ] No  If “yes”, indicate type and amount:
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________

4) How are the fuel/petroleum products contained? (i.e., drums, bladders, steel tanks, etc.) Indicate size of each container:
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________

5) How are the fuel/petroleum products being transported (i.e., skid-mounted tank; trailer; 55 gallon drums on skid; tanker truck, etc.)?
____________________________________________________________________________________________________________________

6) Indicate proposed dates for each period of cross country travel:
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________
____________________________________________________________________________________________________________________

NOTE: All cross-country travel must be specifically authorized by the appropriate land manager(s) prior to the commencement of travel. Travel may not be authorized if trail conditions indicate damage could occur.
PLACER MINING METHOD

Indicate Methods of Mining/Processing Used in Operation:

[ ] Suction Dredge #1: Nozzle Size: _______ Inches -- Engine HP: __________

[ ] Suction Dredge #2: Nozzle Size: _______ Inches -- Engine HP: __________

Additional Dredges: _______________________________________________________________________________________________________

Are dredges used simultaneously? [ ] Yes [ ] No If YES, describe:

____________________________________________________________________________________________________________________

[ ] Bucket Line Dredge: Bucket Size: _______ Cubic Feet [ ] Hydraulic Giant: Nozzle Size _______ Inches

[ ] Washing Plant [ ] Sluice Box: Length: _______ Feet Width: _______ Feet Channels: __________________________________________________________________________

ESTIMATED: Sluice Days This Season: _______ Cubic Yards of Material To Be Processed: Daily: _______ Annually: _______

OVERBURDEN

Type: [ ] None [ ] Gravel, Average Depth: _______ Feet [ ] Organic Material, Average Depth: _______ Feet

EXPLORATION TRENCHING

(Indicate Locations On Sketch Sheet or Topographic Map)

Estimated Number of Trenches To Be Cut: _______ Average Size: Length: _______ Feet Width: _______ Feet Depth: _______ Feet

EXPLORATION DRILLING

(Indicate Locations On Sketch Sheet or Topographic Map)

Number of Holes To Be Drilled: _______ Type of Drill Used: _______

Estimated Maximum Depth: _______ Feet Diameter of Holes: _______ Inches

How Will Drill Holes Be Plugged Upon Completion? ___________________________________________________________________________

____________________________________________________________________________________________________________________

EXPLOSIVES

Will Explosives Be Used? [ ] Yes [ ] No If "Yes", Indicate: Type: __________________________________________________________________ Amount: ______________

STRUCTURES/FACILITIES

(Placement and use of any surface structure must be requested in writing and approved in advance)

(Include location, claim name and number, on sketch sheet and topographic map)

(An active APMA must be maintained for structures to remain authorized. (AS 38.05.255(a)).

[ ] Camp facilities not required

[ ] Request use of existing facilities (Indicate number and size of each): Area of Camp: Length _______ Feet Width _______ feet

[ ] Frame ___________________ [ ] Trailer ___________________ [ ] Tent/Tent Frame ___________________

[ ] Request authorization to place temporary structures (Indicate number and size of each): Area of Camp: (length) _______ (width) _______

[ ] Frame ___________________ [ ] Trailer ___________________ [ ] Tent/Tent Frame ___________________

In consideration of potentially significant historic properties/cultural resources, please do not remove or disturb any buildings, structures, objects, or artifacts that were located on the site prior to conducting permitted activities – If you have questions please contact Mark Rollins of SHPO at (907) 269-8722 or mark.rollins@alaska.gov.
**FUEL**

Total Volume of Fuel Stored in 55 Gallon or Larger Containers: ____________________ Gallons

Fuel volumes larger than 1320 gallons must meet EPA Spill Prevention Control and Countermeasures (SPCC) regulations 40 CFR 112. Fuel volumes larger than 10,000 gallons must have a SPCC plan certified by a professional engineer. For additional information on approvable SPCC plans see [http://www.epa.gov/osweroe1/content/spcc/](http://www.epa.gov/osweroe1/content/spcc/) or contact Matthew Carr of EPA at (907) 271-3616 or Carr.Matthew@epa.gov.

Indicate Distance Stored From Flowing Waters: ____________________ Feet

Are Fuel Containment Berms Around Storage Containers? [ ] Yes [ ] No

Is Berm Area Lined? [ ] Yes [ ] No

**WATER USAGE**

Water use should be planned so that you will have zero discharge of water back into the stream (creek, lake, etc.), if it is at all possible. Streams must be diverted around the mining operation and most miners achieve zero discharge by setting up a 100% recycle system. Zero discharge means no water is released back into a stream either through a pipe, an overflow, by pumping, or by visible seepage through a dam or tailings filter. Underground flow or seepage through a dam or berm; will be considered a discharge if the water quality in the stream is affected as it flows past your mining operation. If groundwater from your cut and surface run-off force you to have a discharge from your settling ponds, reasonable efforts must be made to divert the water around the operation to minimize your discharge. Under no circumstances can you add make-up water if you are having a discharge.

**NOTICE OF INTENT (NOI) FOR THE ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC)**

All placer operations that discharge, or have a potential to discharge, require an APDES wastewater discharge permit.

Do you want this APMA to act as an application (NOI) for the APDES general permit? [ ] Yes [ ] No

If YES, do you wish to receive a mixing zone and turbidity modification from DEC? [ ] Yes [ ] No

If YES, provide the following:

1) Maximum Effluent Flow anticipated from your operation? __________ GPM (NOTE: Maximum Effluent Flow is the most discharge you could ever have to the stream. A mixing zone and turbidity modification cannot be calculated if zero (0) is indicated for the flow.)

2) Topographic map that accurately shows the location of the discharge; or coordinates for the location of the discharge. Please provide coordinates in decimal degrees, NAD 83 datum (one way to obtain this information is with the point query tool in the Alaska Mapper [http://www.mapper.landrecords.info/](http://www.mapper.landrecords.info/))

Latitude: ____________________ Longitude: ____________________
Source: ____________________ Datum: ____________________

Modified arsenic limits reflecting the arsenic concentrations naturally present in the receiving waters may be available, please contact the Department of Environmental Conservation (DEC) at (907) 451-2101.

Name of waterbody into which the discharge flows: _______________________________________________________________

Responsible Party Name (First Last, Position): ___________________________________________________________________

Business Name (if applicable): ___________________________________________________________________________________

Certification: 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: ________________________________________________________________________________

Stream By-Pass Or Diversion? [ ] Not required [ ] Existing – Date of Construction: __________

[ ] To Be Constructed – Date of Construction: ____________________

Is Stream By-Pass? [ ] Permanent [ ] Temporary (Show By-Pass on mine plan diagram)

How long will the bypass be used? ______ year(s) ______ months;

Length: __________ Width: __________ Depth: __________

Bank Full Width of Stream Where By-Passed: __________

Average stream bed material size: [ ] Bedrock [ ] Boulder [ ] Cobble [ ] Gravel [ ] Sand [ ] Silt/Clay
WATER USE AUTHORIZATIONS

Water usage (including water used in a 100% recycle system) may require authorization by either a Temporary Water Use Permit or a Water Rights Permit or Certificate. Information provided in the Make-Up Water Supply and Recycle/Settling Pond System sections of this application will be used to determine the quantity of water that you can be authorized to use for your mining operation.

Do you currently have a Temporary Water Use Authorization, Water Rights Permit or Certificate? [ ] Yes [ ] No

If yes, please indicate TWUP/ADL/LAS Number: ____________

(If no, please contact a Division of Mining, Land & Water, Water Resource Section in Fairbanks @ (907) 451-2790)

Total quantity of water required for placer operation _______ gpd. Total number of pumps used in operation ____________

Water required for camp use [ ] yes [ ] No

Quantity of water required for camp use ____________ gpd. Camp water source ______________

Latitude _________________________ Longitude _____________________________ NAD 83 Datum

Or Meridian:_________________ Township:_______________ Range:______________ Section:____________

Camp pump intake diameter _______________ Camp pump rate __________________gallons per minute

MAKE-UP WATER SUPPLY

("Make-Up Water* is that volume of water which must be taken from the stream and added to your settling ponds to replace water lost due to evaporation and seepage into the ground. Federal Regulations prohibit the addition of make-up water while you are having any discharge from your settling ponds.)

[ ] No Make-up Water required

Source of Make-up Water: [ ] Groundwater Gain From Cut [ ] High Water Events From Rain [ ] Seepage Infiltration From Stream

[ ] Stream (Name) _______________________________ [ ] Other: _______________________________

Latitude _________________________ Longitude _____________________________ NAD 83 Datum

Or Meridian:_______________ Township:_______________ Range:______________ Section:____________

(one way to obtain location information is with the point query tool in the Alaska Mapper http://www.mapper.landrecords.info/)

Method of Taking Water: [ ] Seepage Infiltration [ ] Pump with intake size of _____ inches

[ ] Diversion Ditch From Stream With Headgate [ ] Other: _______________________________

[ ] Estimated Average Amount Of Make-up Water: ____________ Gallons Per Day, or ____________ Gallons Per Week.

Pumping rate of _______ gallons per minute operating for ____________ hours per day

DAM

(An artificial barrier used to impound or divert water)

Purpose of Dam: [ ] Makeup Water Pond [ ] Settling/Recycle Ponds [ ] No Dam Required

Dam Information: [ ] Existing [ ] To Be Constructed Length: _____ Ft Height: _____ Ft Width At Crest: _____ Ft Width At Base: _____ Ft

RECYCLE/SETTLING POND SYSTEM (Indicate additional ponds on sketch sheet)

Is a Pre-Settling Pond Used?: [ ] Yes [ ] No Is Recycle Used?: [ ] Yes [ ] No Recycling Pond Is Pond # _________

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

Recycle Pump: Return Line Size: _______ inches Estimated GPM: __________ Estimated hours per day that recycle pump will be used: _______
Complete and return this statement by December 31, 2011. If you did not operate, fill in 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 2011 mining operation described in subject Annual Placer Mining Application. (Submission of this statement does not constitute reclamation approval.)

Volume of material disturbed in 2011: ________ cubic yards (includes strippings and processed material).

Total acreage disturbed in 2011: ________ acres. (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  (check one).

Total area reclaimed in 2011: ________ acres.

Total unreclaimed acres: ________. (This should match "total acreage currently disturbed" on the Reclamation/Signature page of your 2012 APMA)

For the 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
[ ] Backfilled and reclaimed temporary stream diversions
[ ] Camp removed, cleaned up and left free of debris

Other reclamation measures taken: ____________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________
______________________________________________________________________________________

[ ] I did not operate in 2011 and therefore did not conduct reclamation.

_________________________________                                           ___________________________
Signed                                                         Date

Note: Submittal of this form meets the Army Corps of Engineers requirement for an annual report.
In accordance with Alaska Statute 27.19, reclamation is required of all mining operations. Reclamation bonding is required of mining operations with a mined area (all portions of a mining operation excluding camp and roads on state or private land) 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 "Letter of Intent To Do Reclamation" for operations under 5 acres. If you do not intend to use the reclamation methods presented below, please provide additional information concerning your plans for reclamation under separate attachments.

Total acreage currently disturbed: _______ acres. This should match: "Total Unreclaimed Acres" on your 2011 Annual Reclamation Statement for Small Mines, or line #7 on your 2012 Bond Pool Renewal Form. (Disturbed ground includes stripped areas; mining cuts; overburden and tailing stockpiles and disposal areas; stream by-passes; settling ponds and any other areas disturbed since October 1991 (State mining claims or Private lands) or 1981 (Federal mining claims); and are currently unreclaimed. Federal operators include area of camp and roads.

New acres to be disturbed in 2012: _______ acres. Total acreage (currently disturbed plus new acres): _______ acres.

Of this acreage: _______ acres are State land. _______ acres are Private land. _______ acres are Federal land.

Total acreage to be reclaimed in 2012: _______ acres; and:
[ ] Reclamation will be conducted concurrently with mining. [ ] Reclamation will be conducted at the end of the mining season.

Total volume of material to be disturbed in 2012: _______________ cubic yards. (Including strippings and overburden to be removed. (1 acre of disturbance is equal to 4,840 square yards).

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.)

1. 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.

2. The area reclaimed will be reshaped to blend with the surrounding area using tailings, strippings, and overburden and be stabilized.

3. Stockpiled topsoil, overburden muck, and, if necessary, settling pond silts, will be spread over the contoured mine workings 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.

4. 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.

5. Stream channel diversions will be relocated to a stable location in the valley flood plain.

6. The flood plain will be established wide enough to accommodate seasonal high water flood events and prevent undue erosional degradation.

7. 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.

8. All buildings and structures constructed, used or improved, on State land, will be removed, dismantled, or otherwise properly disposed of at the completion of mining. The campsite will be cleaned up and left free of debris. In consideration of potentially significant historic properties/cultural resources, please do not remove or disturb any buildings, structures, objects, or artifacts that were located on the site prior to the current operation without preauthorization from SHPO (Contact Mark Rollins of SHPO at (907) 269-8722 or mark.rollins@alaska.gov).

9. Other: _______________________________________________________________________________________________________________

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 mining operation. Reclamation measures must comply with Alaska Statute 27.19.

2. Federal land managers may require reclamation measures different to those identified above.

BONDING
In accordance with Alaska Statute 27.19, bonding is required for all mining operations having a mined area of five acres or greater. This area must be bonded for $750.00 per acre, unless the miner can demonstrate that a third party contractor can do the required reclamation for less than that amount. A Statewide bonding pool has been established and may be joined by completing the bond pool application form. Federal land managers may have additional bonding requirements. Use bond form to calculate area of disturbance for bonding.

Signature of Applicant: [ ] Owner [ ] Lessee [ ] Operator [ ] Agent for
Relationship to Claim(s): Date
Printed Name:
MINE PLAN NARRATIVE

MINING:

The mining operation is designed to economically recover gold and complete acceptable reclamation. The mine layout is directly related to reclamation. Mining will progress in the following steps -- see sketch:

1) A stream by-pass, 800' x 10', will be constructed on the left limit (facing downstream) of the operation. The by-pass will be constructed to accommodate high water events (at least a 2-year flood interval) including break-up without bank erosion.

2) Vegetation, including trees, brush, tundra, etc., will be separated from topsoil and overburden gravel and stockpiled in such a manner as to avoid erosion. Stockpiles will be 200' x 25' x 15', located on the right limit of each cut.

3) Topsoil will be separated and stockpiled next to the vegetation stockpiles. A space will be maintained between the stockpiles so that topsoil can be respread before the vegetation. Each topsoil stockpile will be 200' x 25' x 15', located on the right limit of each mining cut.

4) Gravel overburden will be used to reconstruct the stream channel and cap ponds. Gravel will be stored in the following manner:

   a) Gravel from each cut will be pushed into the previously mined cut forming a dike for the next recycle pond. The dike will be constructed in such a manner that the largest portion of the pond will be immediately below the processing plant on the right limit. This places the pond sediment away from the reclaimed stream channel. The return portion of the pond will be narrow, one dozer blade width, forcing the fines to settle in the large pond area.

   b) A stockpile of gravel, 200' x 25', will be placed on the left limit of the mine cuts and used to reconstruct the stream channel in the left limit of the ponds.

5) Coarse tailings will be pushed onto the pond dike and used to cap ponds.

RECLAMATION:

Reclamation will progress in the following steps:

1) Ponds will be drained slowly with care taken not to lose sediment.

2) Reestablished streams should not run through reclaimed settling ponds! The stream will be reestablished to the left limit of the ponds (NO streams running through the settled fine material). All sediment will be bailed out and a stable stream channel will be established using tailings stockpiled in the center and left limit of the ponds. The flood plain will be wide enough to prevent erosion during high water events and maintain fish passage. For this stream, the reconstructed flood plain will consist of a stream bed 20' wide with side banks 20' wide. The banks will have a 20:2 foot slope. The by-pass will be filled and vegetation respread.

3) The remaining tailing stockpiles will be used to cap the large portion of the pond and/or stabilize any remaining pond areas from erosion. To minimize erosion, final shaping will be done across the slope rather than up and down.

4) Banks of ponds will be flattened out to allow natural revegetation and avoid erosional degradation. The banks will have a slope of 20:1 feet.

5) Topsoil will then be respread over the tailings.

6) Finally, vegetation will be respread over topsoil. The vegetation will trap seeds and moisture as well as reduce erosion.

*** EXAMPLE ***
INSTRUCTIONS FOR COMPLETING PLAN MAP AND DESCRIPTION OF OPERATION

SUBMIT ONLY INK DRAWINGS OR "GOOD QUALITY" PHOTOCOPIES -- PENCIL DRAWINGS ARE NOT ACCEPTABLE AND WILL CAUSE THE ENTIRE APMA TO BE RETURNED.

This checklist is provided to assist you in the completion of your plan map. Sketch your complete mining and reclamation plans in detail; and include written descriptions of your planned operation, as necessary, including reclamation plans, to provide reviewing agencies an understanding of your proposed sequence of mining activities for the mining season.

SKETCH CHECKLIST
INCLUDE EACH OF THE FOLLOWING ITEMS IN YOUR SKETCH -- IF AN ITEM DOES NOT APPLY, INDICATE BY "N/A"

[ ] CLAIM LOCATIONS -- indicate claim name, ADL/BLM number, boundary lines and corner posts.

[ ] MINING CUTS -- indicate location, dimensions (lengths, widths and depths), and sequence of mining; indicate active vs planned cuts; and areas currently stripped vs. areas you are planning to strip.

[ ] OVERBURDEN STOCKPILES -- indicate material type, location and dimensions (lengths and widths).

[ ] TAILINGS DISPOSAL AREAS -- indicate temporary stockpiles and describe your proposed methods for permanent disposal, including location (where?, when? and how?)

[ ] SETTLING PONDS -- indicate location and dimensions (lengths, widths and depths), number each pond in Section (32) of this APMA indicate your recycle system, including pump and line from pond to plant; also, indicate the direction of water flow through your pond system and the location and estimated quantity of any discharge.

[ ] MAKE-UP WATER and/or CAMP WATER -- indicate location of pump, line, or headgate and ditch. Describe method used to prevent fish entrapment.

[ ] STREAM -- indicate location, name of drainage, direction of flow, and width of original channel.

[ ] STREAM BY-PASSES -- indicate location, dimensions (lengths, widths and depths), and direction of water flow.

[ ] AREAS TO BE RECLAIMED -- indicate location and dimensions (lengths and widths).

[ ] PREVIOUSLY RECLAIMED AREAS -- indicate locations.

[ ] FUEL STORAGE AREA -- indicate location with respect to stream and active mining area -- include distance from flowing waters.

[ ] CAMP FACILITIES or STRUCTURES -- indicate location and describe size, type, and purpose of each structure (Federal operators should indicate the approximate length and width of the camp area).

[ ] SANITARY AND SOLID WASTE -- indicate location and method of disposal (i.e., outhouse; trash collection; etc.).

[ ] NORTH ARROW -- indicate the direction of north with respect to your operation.

[ ] SIZE OF VALLEY -- indicate, with dotted lines, the approximate width of the valley floor.

[ ] ACCESS -- indicate type and location of existing access to the claims and specifically to the exploration area (Federal operators should include length and width of access); indicate type and location of proposed construction of new access including length, width and distribution of fill if fill would be placed in wetlands, ponds, streams, or other waters of the U.S. List all named and unnamed streams crossed during cross country travel.

Please make one final review of the plan map checklist to make certain that you included everything.

INCOMPLETE PLAN MAPS WILL CAUSE THE ENTIRE APMA TO BE RETURNED.
Example of Access Map
Example of Claim Location Map
Example of Plan of Operations Sketch Sheet

PLEASE REVIEW THE SKETCH SHEET CHECKLIST TO ENSURE THAT ALL REQUIRED ITEMS ARE INCLUDED
INCOMPLETE SKETCH SHEETS WILL CAUSE THE ENTIRE APMA TO BE RETURNED

(Attach Additional Sheets, Along With Detailed Explanations As Necessary)
Cross-Sections:

A cross-section is a “slice” through an area of ground which shows the vertical dimensions of slopes, layers and other features related to the mining operation.

To draw a cross-section, first define a line across an area of the mining operation where typical mining activity will occur. The line should cross the entire width of the operation. Next, draw the cross-sectional view along the line. Finally, label all components and include dimensions.

(Attach Additional Sheets, Along With Detailed Explanations As Necessary)

PLEASE REVIEW THE SKETCH SHEET CHECKLIST TO ENSURE THAT ALL REQUIRED ITEMS ARE INCLUDED
INCOMPLETE SKETCH SHEETS WILL CAUSE THE ENTIRE APMA TO BE RETURNED