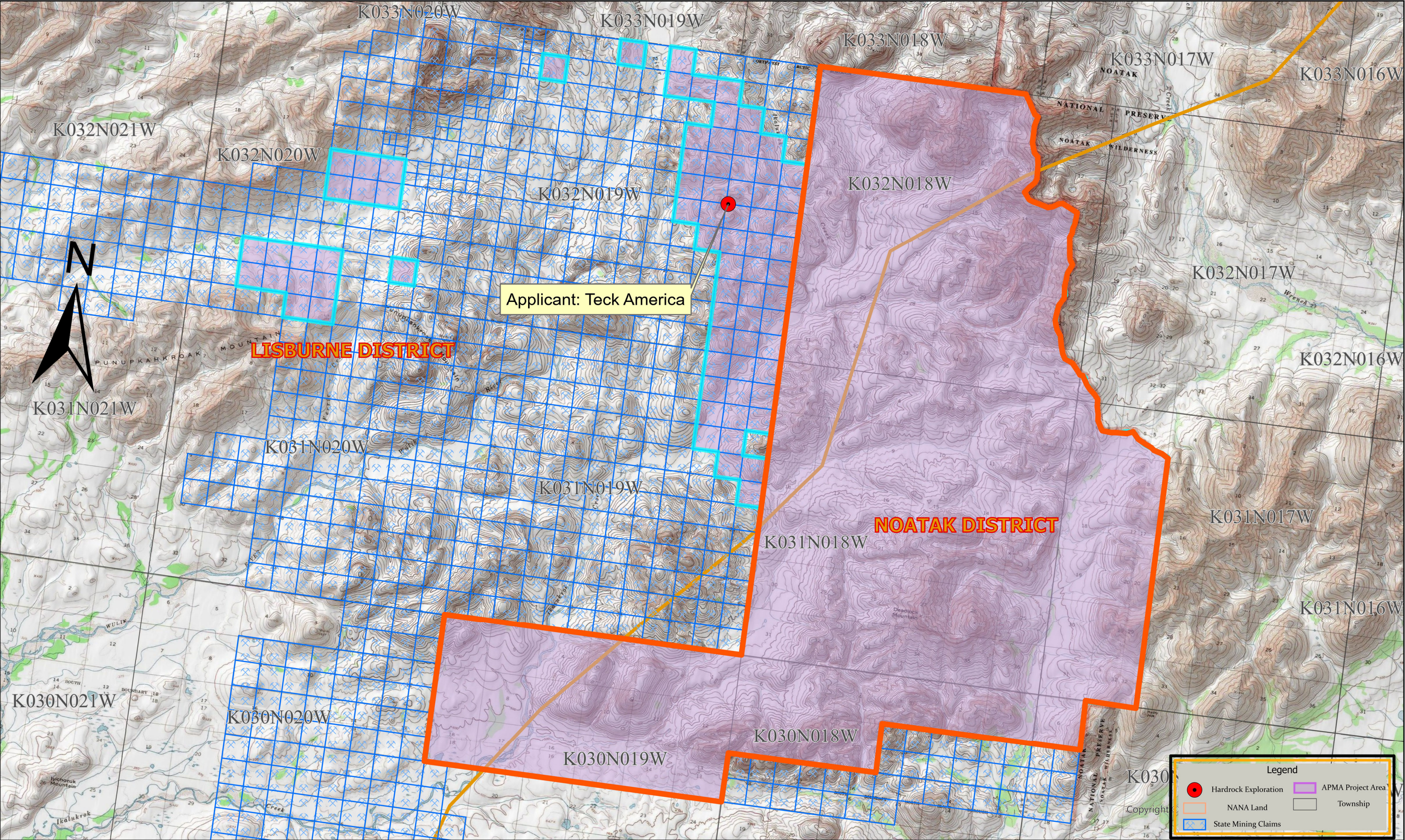


STATE OF ALASKA
Application for Permits to Mine in Alaska (APMA)

☐ Single Year ☒ Multi-year Start: 1/1/2022 Finish: 12/31/2026 APMA Number (A/F/J, Year, ****) 9339

What type activity are you planning to perform? *REQUIRED (1) <div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> Exploration/Reclamation <input type="checkbox"/> Mining/Reclamation <input checked="" type="checkbox"/> Hardrock Exploration/Reclamation</div><div><input type="checkbox"/> Access Equipment <input type="checkbox"/> Suction Dredge <input type="checkbox"/> Reclamation</div></div>		Surface estate of mineral properties: *REQUIRED (2) <div style="display: flex; justify-content: space-between;"><div><input checked="" type="checkbox"/> State (General) <input type="checkbox"/> Private (Patented) <input checked="" type="checkbox"/> Private (Native Corp.)</div><div><input type="checkbox"/> State (Mental Health) <input type="checkbox"/> Federal <input type="checkbox"/> City or Borough</div></div>	
Check All That Apply: <input checked="" type="checkbox"/> Mineral Property Owner <input type="checkbox"/> Lessee <input checked="" type="checkbox"/> Operator *Required (3) Name: <u>Teck American Incorporated</u> Primary Phone Number: <u>N/A</u> Address: <u>501 N Riverpoint Blvd., Suite 300</u> Secondary Phone Number: <u>509-747-6111</u> <u>Spokane, WA 99202</u> Email: <u>leslie.olmstead@teck.com</u> If Applicable, Corporation Name: _____ Alaska Business/Corporation Entity# <u>115867</u> Registered Agent (Corp./LLC/LP) _____ Click here for the Department of Commerce Link			
Check All That Apply: <input type="checkbox"/> Mineral Property Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator *Required (4) Name: <u>N/A</u> Primary Phone Number: _____ Address: _____ Secondary Phone Number: _____ Email: _____ If Applicable, Corporation Name: _____ Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____			
Check All That Apply: <input type="checkbox"/> Mineral Property Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator *Required (5) Name: <u>N/A</u> Primary Phone Number: _____ Address: _____ Secondary Phone Number: _____ Email: _____ If Applicable, Corporation Name: _____ Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____			
Check All That Apply: <input type="checkbox"/> Mineral Property Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator *Required (6) Name: <u>N/A</u> Primary Phone Number: _____ Address: _____ Secondary Phone Number: _____ Email: _____ If Applicable, Corporation Name: _____ Alaska Business/Corporation Entity# _____ Registered Agent (Corp./LLC/LP) _____ Attach a separate sheet for additional contacts			
Project Name If Applicable: (7) <u>DeLong Mountains Exploration</u>		Average Number of Workers: *REQUIRED (8) <u>varies from between 10 to 70</u>	
Mining District: *REQUIRED (10) <u>Lisburne (Red Dog) Mining District</u>		Applicable USGS Map: *REQUIRED (11) <u>DeLong Mts. A2 & A3, Noatak D2 & D3</u>	
Start-Up/Shut Down: (Month/Day) (9) <u>April 1</u> to <u>November 1</u>			
On What Stream Is This Activity? (12) <u>Tributaries of Ikalukrok and Wulik</u>			
Legal Description of mineral properties to be worked (MTRS) *REQUIRED (13) <small>Example: Fairbanks Meridian Township 001N Range 003E Sections 15, 16, and 21 or F 001N 003E Sec. 15, 16, and 21</small> <u>Kateel River Meridian</u> <u>Townships 30-33 North, Ranges 17-21 West (State Mining Claims) and</u> <u>Townships 30-32 North, Ranges 17-19 West (NANA Regional Corporation Lands)</u>			
Internal Use Only: Date Application Received Complete: _____ Adjudicator: _____ LAS Entry: _____ CID(s): _____ CID(s): _____ CID(s): _____			

APMA 9339 Active Area



0 0.75 1.5 3 4.5 6 Miles

Center: 162°56'49"W 68°6'3"N

12/6/2021

MV_ST_MINING

Source: Alaska Department of Natural Resources, Information Resource Managment

Case ID	Case Status	Case Status Description	Case Type Description	Customer Name	Notepost Date	Total Acres
ADL 725324	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725325	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725326	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725327	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725333	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725334	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725338	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725339	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725340	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725341	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725343	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725344	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725345	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725346	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725347	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160

ADL 725350	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725351	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725352	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725353	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725354	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725355	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725356	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725357	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725358	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725359	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725363	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725364	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725365	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725366	35	Active (35)	Mining Claim (713)	Teck American Incorporated	07-SEP-17	160
ADL 725367	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725368	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725369	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160

ADL 725376	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725377	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725378	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725379	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725380	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725381	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725388	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725389	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725390	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725391	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725392	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725393	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725400	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725401	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725402	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725403	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725404	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160

ADL 725405	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725412	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725413	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725415	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725416	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725426	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725440	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725448	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725525	35	Active (35)	Mining Claim (713)	Teck American Incorporated	10-SEP-17	160
ADL 725526	35	Active (35)	Mining Claim (713)	Teck American Incorporated	10-SEP-17	160
ADL 725733	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725734	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725735	35	Active (35)	Mining Claim (713)	Teck American Incorporated	09-SEP-17	160
ADL 725749	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725750	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725751	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725790	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160

ADL 725791	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725792	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725793	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725796	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725806	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725807	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725808	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160
ADL 725809	35	Active (35)	Mining Claim (713)	Teck American Incorporated	08-SEP-17	160

***END OF
REPORT***

Report Information

Source ID	60
Source Name	MV_S T_MINI NG
Source Description	12/06/2 021 12:41:1
Run Date and Time	8 AKST
Record Count	74

SQL Statement

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.	See attached		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.	See attached			
2.				
3.				
4.				
5.				
6.				
7.				
8.				

ACCESS OUTSIDE OF 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.

All season roads may be an improved dirt road intended to be used during all seasons of the year without causing long term damage to the road. 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 is: ☐ Existing ☐ To be constructed off claim block ☐ Both, or ☒ Helicopter Supported

Access outside the claim block crosses what type of land(s)? ☐ State (General) ☐ State (Mental Health)
☐ City/Borough ☐ Federal ☐ Private ☐ Private (Patented) ☒ Private (Native Corp. Land)

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: _____

ACCESS OUTSIDE OF CLAIM BLOCK, CONTINUED

Indicate type(s) of existing access:

- ☐ All Season Road: _____.
- ☐ Summer Cross Country Travel off of claim block that is not considered Generally Allowed Uses (Complete Box 17)
- ☐ Airstrip
- ☐ River
- ☐ Winter Cross Country Travel that is not generally allowed use (Complete Box17)

Indicate type(s) of access to be constructed:

- ☐ Access Road
- ☐ Airstrip

Please describe your construction activities and include mitigation measures to protect water, fish and game resources. (A map outlining the route of construction activities is required). Attach additional pages if necessary:

CROSS COUNTRY TRAVEL N/A

(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 roads 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).

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 box 14, 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 N/AAre 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 ☐ NoDo 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 greater than 55 gallon capacity). 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). 300 Feet. (Minimum distance from naturally occurringIs 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

N/A

(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.

MINING METHOD N/A

(20)

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

Estimated cubic yards processed annually: _____

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

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

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

Location: ☐ Offshore / Salt Water

☐ Pond connected to stream

☐ Stream

☐ Pond isolated from stream

☐ Mine cut isolated from stream

EXPLORATION TRENCHING and DRILLING

(21)

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

Trenching: Yes No

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

Average Size: Length: _____ Feet Width: _____ Feet Depth: 3500 Feet

Drilling: Yes No

Total Number of Holes To Be Drilled: listed and attached Type of Drill(s) Used: see equipment listed above

Estimated Maximum Depth: 3500 Feet Diameter of Drill Rod/Casing Rod NQ (NQ/HQ/H,Etc.).

Will water be used? ☒ Yes ☐ No

Indicate how many pumps per water source: see attached

Water source name(s): see attached

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

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

If more than 8 trenches/drill sites, please provide data in tabular format (http://dnr.alaska.gov/mlw/forms/19apma/AHEA_ReclamationSpreadsheet.xls.)

EXPLOSIVES N/A

(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 N/A

(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 N/A

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

If in-stream activities and/or stream crossings are requested at more than 5 locations, please provide tabular data format (DNR template available at <http://dnr.alaska.gov/mlw/forms/?tab=mining>).

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.

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.? unname tribs of Wulik River and Ilalukrok Ck

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

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 types of exploration activities are being performed? ☐ Trenching ☒ Drilling

If **YES**, How many total pumps are used in the exploration activities? App D (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

All required water for Exploration Activities are included in the forms attached in Appendix D.

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 N/A
(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 N/A

(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 WETLANDS PERMIT

N/A

JURISDICTIONAL DETERMINATION (CORPS JD) and MITIGATION STATEMENT

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

A complete application for a Department of the Army (DA), U.S. Army Corps of Engineers (Corps) Section 404 permit includes a description of project impacts (contained in the APMA), a Jurisdictional Determination (JD) and a Mitigation Statement. The applications for the JD and the Mitigation Statement are contained in two Corps Supplements, which may be attached to this APMA. The Supplements may be downloaded from the Corps and DNR websites, or obtained directly from a Corps office in paper copy, by email, or mail. Please contact the Corps to determine what supplements are required.

Corps Supplement, Attachment 1, Jurisdictional Determination: Attachment 1 must be filled in and submitted to the Corps for **all new placer applications (New and Existing Operations)**. Photos of your mine site are required. Your JD will be valid for five years. Your photos will be used only for the purpose of conducting an offsite JD.

Corps Supplement, Attachment 2, Mitigation Statement: Alaska District regional mitigation policy for placer mining operations under this General Permit (GP) emphasizes avoidance and minimization of impacts; **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.

Note:

- If your APMA requires, but does not include a JD or Mitigation Statement, 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 Alaska District will accept the APMA as a pre-construction notification, 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 further 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

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

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

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

Stream Name: _____

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

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

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

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

☐ Annually reclaimed/returned to natural stream ☐ Maintained throughout mine life

Dimensions of existing stream in diversion area:

Length _____(ft) Top Width _____(ft) Bottom Width _____(ft) Depth _____(ft) Floodplain Width _____(ft)

Dimensions of proposed diversion:

Length _____(ft) Top Width _____(ft) Bottom Width _____(ft) Depth _____(ft) Floodplain Width _____(ft)

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

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

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

(30)

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)

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:

A narrative of the operation is required. Please use this space to describe the access, mining process, environmental protection measures and reclamation measures to be used for the duration of this permit. Use multiple sheets if necessary.

DESCRIBE ACCESS, PERSONNEL HOUSING AND CAMP LAYOUT:

DESCRIBE PROGRESSIVE STEPS OF MINING METHOD:

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

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

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

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

2022 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 checked="" 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: 1.4 acres. This should match: "Total Unreclaimed Acres" on your 2021 Annual Reclamation Statement for Small Mines, or line #7 on your 2022 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 2022 2 acres. Total acreage (currently disturbed plus new acres): 3.4 acres.

Acreage disturbed by land status: 3.4 State (general) _____ State (Mental Health) _____ Private _____ Federal _____

Total acreage to be reclaimed in 2022 2.4 acres; Total volume of material to be disturbed in 2022: 50 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.

Leslie L. Olmstead Printed name (Applicant)  Signature (Applicant)	Relationship to Mineral Property: <input type="checkbox"/> Owner <input type="checkbox"/> Lessee <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Agent For: <u>Teck American Inc.</u>	Date: <u>11/17/2021</u> APMA #: <u>9339</u>
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 Date: 2021.11.17 12:17:31 -08'00'

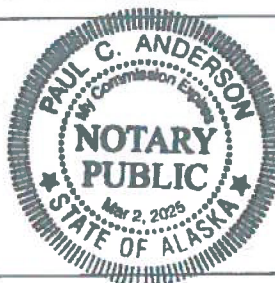
NOTICE OF OPERATOR AUTHORIZATION -- MINERAL LOCATIONS

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

OPERATOR AUTHORIZATION

APMA# _____

<p>I, <u>Nana Regional Corp</u>, OWNER of mineral property(s):</p> <p>List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS). <u>Kateel River Twp 30-33 North, Rys 17-19 West</u></p> <p>(Attach additional sheet if necessary)</p> <p>Have authorized <u>Tech American</u></p> <p>Address of Operator <u>501 N. River point Blvd, Suite 300, Spokane Wa, 99202</u></p> <p>to operate on these claims from <u>01/01/2022</u> to <u>12/31/2026</u></p> <p>Owner's Signature <u>[Signature]</u> Date <u>11-24-21</u></p>	<p>Check Type of Mineral Property(s)</p> <p><input type="checkbox"/> State ADL</p> <p><input type="checkbox"/> Federal AKFF/AKAA</p> <p><input type="checkbox"/> USMS</p> <p><input checked="" type="checkbox"/> MTRS (Native Lands)</p>
<p>NOTARY</p> <p>Subscribed and sworn to before me this <u>24</u> day of <u>November</u>, 20<u>21</u>.</p> <p>For (owner)</p> <p>(Signature of Notary) <u>[Signature]</u></p> <p>My commission expires: <u>March 2, 2025</u></p>	



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

<p>I, _____, LESSEE of mineral property(s):</p> <p>List all mineral properties by their casefile number (ADL/AKFF/USMS) or legal description (MTRS).</p> <p>_____</p> <p>_____</p> <p>(Attach additional sheet if necessary)</p> <p>have authorized _____ to operate on these claims from ____/____/____ to ____/____/____.</p> <p>Lessee's Signature _____ Date _____</p> <p>Lessee's Address _____</p>	<p>Check Type of Mineral Property(s)</p> <p><input type="checkbox"/> State ADL</p> <p><input type="checkbox"/> Federal AKFF/AKAA</p> <p><input type="checkbox"/> USMS</p> <p><input type="checkbox"/> MTRS (Native Lands)</p>
<p>NOTARY:</p> <p>Subscribed and sworn to before me this ____ day of _____, 20 ____.</p> <p>For (Lessee)</p> <p>(Signature of Notary) _____</p> <p>My commission expires: _____</p>	