Fill in the form online by clicking in the appropriate field and typing.

Print the completed application and mail in one signed copy of the form with fees and supporting documents. You will not be able to save your data entry online, so print an extra copy for yourself.

DIVISION OF MINING, LAND AND WATER WATER RESOURCES SECTION



dnr.alaska.gov/mlw/water/

Anchorage Office 550 West 7 th Avenue, Suite 1020 Anchorage, AK 99501-3562 (907) 269-8600	Juneau Office PO Box 111020 Juneau, AK 99811-1020 400 Willoughby, #400	Fairbanks Office 3700 Airport Way Fairbanks, AK 99709 (907) 451-2705	For ADNR Use Only Date/Time Stamp
Fax: (907) 269-8904 For ADNR Use Only LAS # 33638	(907) 465-3400 Fax: (907) 586-2954 For ADNR Use Only CID # CID #	Fax: (907) 451-2703 For ADNR Use Only Receipt Type WR	4.22.2021

APPLICATION FOR WATER RIGHT

INSTRUCTIONS

- 1. Complete one application for each water source. Incomplete applications will not be accepted.
- 2. Attach a copy of an executed deed, lease agreement, or other possessory interest document for property where water will be used (applicant must own, lease, or obtain written authorization to use water on property).
- 3. Attach copy of legal access document (i.e. right-of-way, easement, permit) or application for legal access to water withdrawal point and transport route, if applicable, or copy of request or application for legal access to water withdrawal point.
- 4. Attach driller's well log for drilled wells (if already drilled and available).
- 5. Attach sketch, photos, plans of water system, or project description (if applicable).
- 6. Attach legible map that includes Meridian, Township, Range, and Section lines such as a subdivision Plat, USGS topographical quadrangle, or borough tax map. Indicate location of water withdrawal, route of water transmission, water use area boundary, points of water use within boundary, and point of water return flow (if applicable).
- 7. Attach copy of approved ADEC Water and Wastewater system certificate (if applicable).
- 8. Attach copy of ADF&G Fish Habitat Permit (if applicable).
- 9. Attach completed and notarized Statement of Beneficial Use of Water form and associated fee if water system and water use are fully developed.
- 10. Submit the non-refundable fee (see page 4)

APPLICANT INFORMATION				
Teck Alaska Incorporated				
Organization Name (if applicable)		Agent or Consultant Name	(if applicable	e)
Individual Applicant Name (if applicable)		Individual Co-applicant Na	me (if applica	able)
3105 Lakeshore Drive, Bld A, Sut 101	An	chorage	Ak	99517
Mailing Address	City	<u> </u>	State	Zip Code
907-754-5139				
Daytime Phone Number		Alternate Phone Number (optional)	
		chris.eckert@teck.com		
Fax Number (if available)		E-Mail Address (optional)		

PROPERTY DESCRIPTIONS							
Location of Water Use							
Subdivision Name or Survey Number	Lot, Block, or Tract	Meridian	Township	Range	Section	Quarter S	ections
						QQ	Q
Red Dog Mine Middle Fork Red Dog Creek Bypass System (see attached)						1/4	1/4
Location of Water Source							
Subdivision Name or Survey Number	Lot, Block, or Tract	Meridian	Township	Range	Section	Quarter S	ections
						QQ	Q
Red Dog Mine Middle Fork Red Dog Creek Bypass System (see Attached)						1/4	1/4
Location of Water Return Flow or Di	scharge (if applicable	e)					
Geographic Name of Water Body or Well Depth		Meridian	Township	Range	Section	Quarter S	ections
Middle Fouls Dad Dag Craals					QQ	Q	
Middle Fork Red Dog Creek	(See Attached)					1/4	1/4

WATER SOURCE DESCRIPTION						
Ground Water						
Type (e.g. drilled, dug)	Total Depth (in feet)	Static	: Water Level (in feet)	Date Completed	Well Yield (in gpm)	
0						
Surface Water						
Type (e.g. stream, lake, spring)			Geographic Name (if named)			
Stream and surface flow			Tributaries to	Middle Forl	k Red Dog Creek	

METHOD OF TAKING WATER (IF KNOWN)						
Pump	Pump Intake		Hours Working	_Hours/Day _ Feet (from pump to point of use)		
Gravity	Pipe DiameterFeet		Length of Pipe	_ Feet (take point to point of use) ☐GPM or ☐CFS		
Ditch	L D W	varies Feet	Diversion Rate	^V		
Reservoir	LDW_	Feet	Water Storage	_AF		
Dam	L H W _	Feet	Water Storage	_AF		

AMOUNT OF WATER								
Common Water Uses and Standard Amounts								
Type of Use		Many		Standard		Total Amount	Months	of Use
				Amounts		Requested	Begin	End
Fully Plumbed Single-family Home (includes irrigation of 10,000 sq. ft.)	#	_Homes	s X	500 GPD	=			
Partially Plumbed Single-family Home (no hot water heater)	#	_Homes	s X	250 GPD	=			
Unplumbed Single-family Home (hand carry water)	#	_Homes	s X	75 GPD	=			
Duplex or Triplex	#	_Bldgs.	X	1000 GPD	=			
Four-plex and Larger Housing	#	_Units	Х	250 GPD	=			
Motel or Resort	#	_Room:	s X	150 GPD	=			
Work Camps	#	_People	e X	50 GPD	=			
Domestic Irrigation	#	_Sq. ft.	X	250 GPD per 10,000 Sq. ft.	=			
Non-domestic Irrigation	#	_Acres	Х	0.5 AFY	=			
		Ot	her W	ater Uses				
Type of Use	Hov			Amount		Total Amount	Months	of Use
	Man	ıy				Requested	Begin	End
		>	<		=			
		>	(=			
Type of Use						Total Amount	Months	of Use
· ·						Requested	Begin	End
Diversion System 100	% of fl	low(S	see /	Attached)		8,204 AFY	Jan	Dec

Expected date for water system and water use to be fully developed **or** date when existing use started

Note: Pursuant to AS 46.15.180(a)(1). Crimes, a person may not construct works for an appropriation, or divert, impound, withdraw, or use a significant amount of water from any source without a permit, certificate of appropriation, or authorization issued under this chapter.

11 AAC 93.040 sets out the required information on an application for a water right. AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(8) and confidentiality is requested, AS 43.05.230, or AS 45.48). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210. In submitting this form, the applicant agrees with the Department to use "electronic" means to conduct "transactions" (as those terms are used in the Uniform Electronic Transactions Act, AS 09.80.010 – AS 09.80.195) that relate to this form and that the Department need not retain the original paper form of this record: the department may retain this record as an electronic record and destroy the original.

SIGNATURE

The information presented in this application is true and correct to the best of my knowledge. I understand that per 11 AAC 93.040 and 11 AAC 93.050 additional information may be required by the department to adjudicate this application. Failure to provide requested information could result in this file being closed.

Michael Gonzales M. Gonzales for L. Yesnik	4/11/2022
Signature	Date
Les Yesnik	General Manager, Red Dog
Name (please print)	Title (if applicable)

FEE required by regulation 11 AAC 05.260.

Make checks payable to "Alaska Department of Natural Resources":

- \$100 for one single-family residence or duplex, or for water use associated with one single-family residence or duplex.
- \$1,500 for up to 60 hours of staff time, for activities related to oil and gas and associated substances.
- \$1,500 for up to 60 hours of staff time, for activities related to locatable mining.
- \$1,500 for up to 60 hours of staff time, for hydroelectric power generation capacity greater than 100 kilowatts.
- \$1,500 for up to 60 hours of staff time, for water removal out of a hydrologic unit under AS 46.15.035 or 46.15.037.
- \$250 for 5,000 GPD or less for a use not listed above.
- \$565 for greater than 5,000 GPD and no more than 30,000 GPD for a use not listed above.
- \$690 for greater than 30,000 GPD and no more than 100,000 GPD for a use not listed above.
- \$1,125 for greater than 100,000 GPD for a use not listed above.

REFERENCES

Measurement Units

GPD = gallons per day

CFS = cubic feet per second

GPM = gallons per minute

AF = acre-feet

AFY = acre-feet per year (325,851 gallons/year)

AFD = acre-feet per day (325,851 gallons/day)

MGD = million gallons per day

Conversion Table

5,000GPD=	30,000GPD=	100,000GPD=	500,000GPD=	1,000,000GPD=
0.01 CFS	0.05 CFS	0.2 CFS	0.8 CFS	1.5 CFS
3.47 GPM	20.83 GPM	69.4 GPM	347. 2 GPM	694.4 GPM
5.60 AFY	33.60 AFY	112.0 AFY	560.1 AFY	1120.1 AFY
0.02 AFD	0.09 AFD	0.3 AFD	1.5 AFD	3.1 AFD
0.01 MGD	0.03 MGD	0.1 MGD	0.5 MGD	1.0 MGD

Red Dog Mine Middle Fork Red Dog Creek Bypass Additional Information

Property Descriptions

Location of Water Use						
Meridian	Township	Range	Section	Quarter Sections		
Kateel	31N	18W	17	SW & SE		
Kateel	31N	18W	19	NE		
Kateel	31N	18W	20	Entire Section		
Kateel	31N	18W	21	NW & SW		
Kateel	31N	18W	29	NE		

Location of Water Source						
Meridian	Township	Range	Section	Quarter Sections		
Kateel	31N	18W	15	SW		
Kateel	31N	18W	16	SE & SW		
Kateel	31N	18W	17	SW & SE		
Kateel	31N	18W	18	SE		
Kateel	31N	18W	19	NE		
Kateel	31N	18W	20	Entire Section		
Kateel	31N	18W	21	NW & SW		
Kateel	31N	18W	22	NW & SW		
Kateel	31N	18W	27	NW & SW		
Kateel	31N	18W	28	Entire Section		
Kateel	31N	18W	29	NE & SE		
Kateel	31N	18 W	33	NW & NE		
Kateel	31N	18W	32	NE		

Location of Water Return Flow or Discharge						
Meridian Township Range Section Quarter Sections						
Kateel	31N	18W	19	NE		

Water Source Description

The water bypass system collects water up steam of the Red Dog Mine disturbance area in the Middle Fork Red Dog Creek drainage basin. The bypass system's purpose is to prevent the contact of the water with mineralized rock as the stream passes through the mining area.

Method of Taking water

The bypass system collects precipitation up gradient of the mining area and directs the water flow to a point downstream of the mining area.

Water usages

The use of the water is limited to the diversion of the water away from the mining area.

Total Water requested

100 percent of the drainage flow volume is requested. The volumes vary and are dependent on the precipitation. The diversion collects an approximant 2,461 acre area. Based on an annual precipitation of 40 inches a water right of 8,204 acre feet per year is requested.

Red Dog Mine Middle Fork Red Dog Creek Bypass Location Map

