

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 Fax: (907) 269-8904 | Juneau Office PO Box 111020 Juneau, AK 99811-1020 400 Willoughby, #400 (907) 465-3400 Fax: (907) 586-2954 | Fairbanks Office 3700 Airport Way Fairbanks, AK 99709 (907) 451-2705 Fax: (907) 451-2703 | For ADNR Use Only Date/Time Stamp <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;">1.30.2020</div> |
| For ADNR Use Only LAS # 33143 | For ADNR Use Only CID # CID # | For ADNR Use Only Receipt Type WR | |

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

| | | | |
|---|--|-------|----------|
| Organization Name (if applicable) | Agent or Consultant Name (if applicable) | | |
| Individual Applicant Name (if applicable) | Individual Co-applicant Name (if applicable) | | |
| Mailing Address | City | State | Zip Code |
| Daytime Phone Number | Alternate Phone Number (optional) | | |
| 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 Sections | |
|-----------------------------------|----------------------|----------|----------|-------|---------|------------------|----------|
| | | | | | | QQ 1/4 | Q 1/4 |

Location of Water Source

| Subdivision Name or Survey Number | Lot, Block, or Tract | Meridian | Township | Range | Section | Quarter Sections | |
|-----------------------------------|----------------------|----------|----------|-------|---------|------------------|----------|
| | | | | | | QQ 1/4 | Q 1/4 |

Location of Water Return Flow or Discharge (if applicable)

| Geographic Name of Water Body or Well Depth | Meridian | Township | Range | Section | Quarter Sections | |
|---|----------|----------|-------|---------|------------------|----------|
| | | | | | QQ 1/4 | Q 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) |
|--------------------------|-----------------------|------------------------------|----------------|---------------------|
| | | | | |

Surface Water

| Type (e.g. stream, lake, spring) | Geographic Name (if named) |
|----------------------------------|----------------------------|
| | |

METHOD OF TAKING WATER (IF KNOWN)

| | | |
|------------------|---|---|
| Pump | Pump Intake _____ Inches Pump Output _____ GPM | Hours Working _____ Hours/Day Length of Pipe _____ Feet (from pump to point of use) |
| Gravity | Pipe Diameter _____ Inches Head _____ Feet | Length of Pipe _____ Feet (take point to point of use) Diversion Rate _____ GPM or CFS |
| Ditch | L _____ D _____ W _____ Feet | Diversion Rate _____ GPM or CFS |
| Reservoir | L _____ D _____ W _____ Feet | Water Storage _____ AF |
| Dam | L _____ H _____ W _____ Feet | Water Storage _____ AF |

AMOUNT OF WATER

Common Water Uses and Standard Amounts

| Type of Use | How Many | | Standard Amounts | | Total Amount Requested | Months of Use | |
|--|---------------|---|----------------------------|---|------------------------|---------------|-----|
| | | | | | | Begin | End |
| Fully Plumbed Single-family Home (includes irrigation of 10,000 sq. ft.) | #_____Homes | X | 500 GPD | = | | | |
| Partially Plumbed Single-family Home (no hot water heater) | #_____Homes | X | 250 GPD | = | | | |
| Unplumbed Single-family Home (hand carry water) | #_____Homes | X | 75 GPD | = | | | |
| Duplex or Triplex | #_____Bldgs. | X | 1000 GPD | = | | | |
| Four-plex and Larger Housing | #_____Units | X | 250 GPD | = | | | |
| Motel or Resort | #_____Rooms | X | 150 GPD | = | | | |
| Work Camps | #_____People | X | 50 GPD | = | | | |
| Domestic Irrigation | #_____Sq. ft. | X | 250 GPD per 10,000 Sq. ft. | = | | | |
| Non-domestic Irrigation | #_____Acres | X | 0.5 AFY | = | | | |

Other Water Uses

| Type of Use | How Many | | Amount | | Total Amount Requested | Months of Use | |
|-------------|----------|---|--------|---|------------------------|---------------|-----|
| | | | | | | Begin | End |
| | | X | | = | | | |
| | | X | | = | | | |
| Type of Use | | | | | Total Amount Requested | Months of Use | |
| | | | | | | Begin | End |
| | | | | | | | |

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.

Signature _____

Date _____

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

| <u>5,000GPD=</u> | <u>30,000GPD=</u> | <u>100,000GPD=</u> | <u>500,000GPD=</u> | <u>1,000,000GPD=</u> |
|------------------|-------------------|--------------------|--------------------|----------------------|
| 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 – DMTS Material Site 10 Withdrawal Additional Information

Property Descriptions

Location of Water Use

Water used is used along the entire length of the DMTS Transportation system.

Use Areas include; DMTs Port (Red Dog Port), DMTS Road between the port and mine and associated roads to the material sites, material sites, and the Red Dog Mine.

| Location of Water Source | | | | |
|--------------------------|----------|-------|---------|------------------|
| Meridian | Township | Range | Section | Quarter Sections |
| Kateel | 29N | 19W | 7 | SE & SW |

Method of Taking water

Water Withdrawal

The Water withdrawal is from the reservoir using a diesel powered pump. The pump may withdraw up to 1,000 gpm.

Water Impoundment

The reservoir is estimated to be 750 feet long and 350 feet wide and an unknown depth. For purposes of calculation of a volume, a depth of 30 feet is used (two 15 foot bench heights).

Water Usage

The water is used for road and gravel pad dust control.

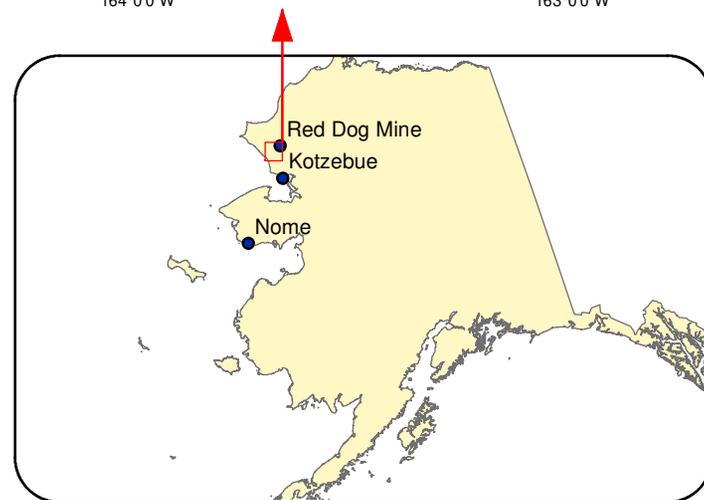
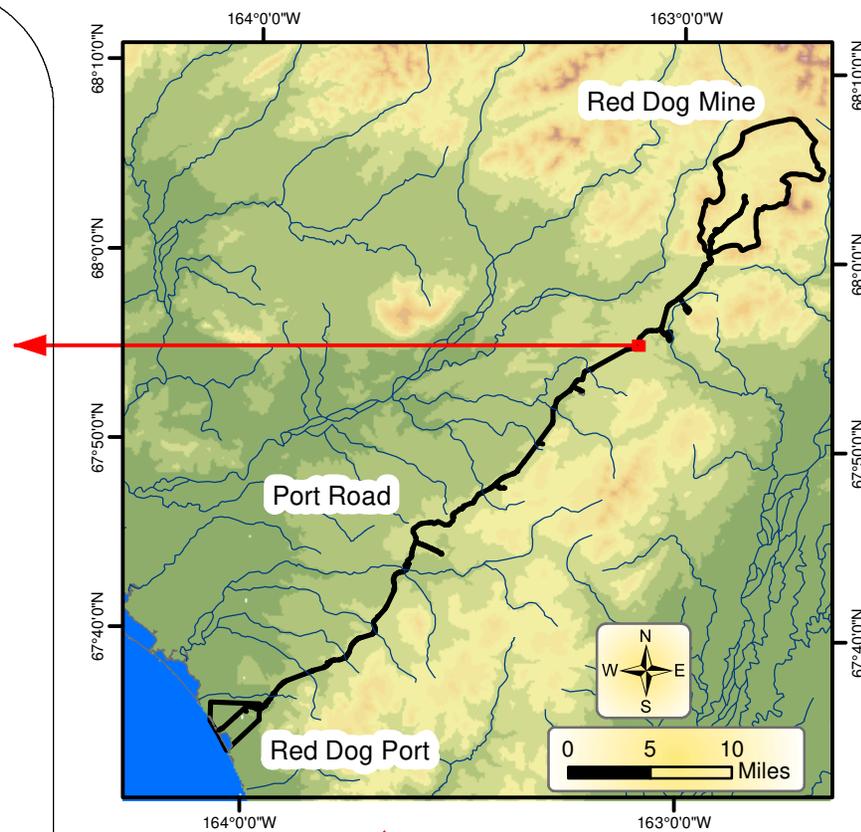
Total Water Requested

A daily volume of 500,000 gallons.

An annual volume of 180 AFY.

The requested water use permit is as a replacement for TWUP F2013-136

MS-10 Water Withdrawal Location Map



● MS-10 Water Withdrawal



0 250 500 Feet