ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND, AND WATER
WATER RESOURCES SECTION
www.dnr.alaska.gov/mlw/water/index.cfm

Anchorage Office 550 West 7th Avenue, Suite 1020 Anchorage, AK 99501-3562 (907) 269-8505 Fax: (907) 269-8904	Juneau Office 400 Willoughby, #400 PO Box 111020 Juneau, AK 99811-1020 (907) 465-3400 Fax: (907) 465-3886	Fairbanks Office 3700 Airport Way Fairbanks, AK 99709-4699 (907) 451-2705 Fax: (907) 451-2703	***For ADNR Use Only*** ***Date Stamp***
For ADNR Use Only ***TWUA #***	***For ADNR Use Only*** ***CID #(s)***	***Receipt Code*** ***"WR"***	

APPLICATION FOR TEMPORARY USE OF WATER

Applicants must complete all sections of this application.
Incomplete applications will not be accepted

- Up to five (5) separate sources of water may be requested on a single application. If more than five (5) separate water sources are needed, additional applications will be required.
  - Types of sources include: river, stream, creek, spring, lake, pond, well, etc.
- Normal processing time is approximately 60 days based upon the date DNR determines the application is complete, and anticipated project start date.
- If Needed: CALL FOR INSTRUCTIONS or answers to questions before submitting application:
  - For statewide mining water uses, excluding gravel, contact the Fairbanks office at (907) 451-2790
  - For statewide hydroelectric and all other Southeast projects, contact the Juneau office at (907) 465-2533
  - For statewide oil and gas water uses, contact the Anchorage office at (907) 269-5580, dnr.oilandgastwua@alaska.gov
  - For all other temporary uses of water, contact the Anchorage office at (907) 269-7495, dnr.twua@alaska.gov
- Unless otherwise requested, the issued authorizations are emailed to the Applicant.

SECTION I: APPLICANT INFORMATION

Project Name: _____

Applicant Name (Individual or Company): _____

Name and Title of Company Contact: _____

Mailing Address: _____

_____

Billing Address: _____

_____

Phone Number: _____ Alternate Phone Number: _____

Email Address: _____

Agent/Consultant Name and Title: _____

Organization Name: _____

Mailing Address: _____

Phone Number: _____ Alternate Phone Number: _____

Email Address: _____

SECTION II: FEES

Application Fee $450: *(the application fee covers up to 18 hours of staff time)*
Submit non-refundable fee of $450 for **each** application per 11 AAC 05.260.
Make checks payable to the "Department of Natural Resources."
*** For Credit Card payments, wait for confirmation email with assigned case number and payment instructions.*

SECTION III: MAP(s)

1. Attach a **legible map(s)**, such as a USGS topographic map or subdivision plat, that includes labeled meridian, township, range, and section lines (MTRS). The map(s) must be of sufficient scale to show the location of the proposed activity.
2. **Indicate clearly on the map the following:** (check each box when completed)

☐ the location where **water is to be withdrawn from each water source.**

☐ the area(s) where **the water is proposed to be used.**

If applicable:

☐ the area(s) where **water is to be discharged.**

☐ the area(s) where **water is to be returned to the water source.**

SECTION IV: PERIOD OF USE

Total number of years water use is being requested: _____ (maximum five years)

Water Use Start Date: _____ Water Use End Date: _____

Period of Use: ☐ Seasonal Months & Days of use (e.g. June 1st - September 30th): _____

☐ Year-round

SECTION V: LOCATION DESCRIPTION

Identify each water source and its geographic location using MTRS. Include Lat/Long coordinates if available.

Example: Finger Lake: Seward Meridian, Township 22 North, Range 15 West, Section 20, SW¼NW¼
MTRS: S 22N 15W 20 SW NW
Lat/Long: 61°59'1.892"N, 152°04'22.037"W

Table 1: Name & Location of Water Source(s) (No more than 5 water separate sources per application)

Geographic Name of Water Body or Well Depth *(if unnamed, put "Unnamed" ; e.g. unnamed lake.)*	Meridian	Township	Range	Section(s)	Quarter Sections (optional) QQ		Q	
1.						1/4		1/4
	Latitude:			Longitude:				
2.						1/4		1/4
	Latitude:			Longitude:				
3.						1/4		1/4
	Latitude:			Longitude:				
4.						1/4		1/4
	Latitude:			Longitude:				
5.						1/4		1/4
	Latitude:			Longitude:				

Datum Used: Geographic Coordinate System for Lat/Long (e.g. NAD83): _____

Identify the project area(s) where water is to be used and the geographic locations using MTRS. Include Lat/Long coordinates if available. If linear, such as a road construction project, include a start and end Lat/Long and/or milepost.

Table 2: Location of Water Use Area(s)								
Project Area (e.g. milepost range, place name, survey, etc.)	Meridian	Township	Range	Section(s)	Quarter Sections (optional) QQ		Q	
1.						1/4		1/4
	Start Latitude:			Start Longitude:				
	End Latitude:			End Longitude:				
2.						1/4		1/4
	Start Latitude:			Start Longitude:				
	End Latitude:			End Longitude:				
3.						1/4		1/4
	Start Latitude:			Start Longitude:				
	End Latitude:			End Longitude:				

Datum Used: Geographic Coordinate System for Lat/Long (e.g. NAD83): _____
(Attach additional sheets if needed)

Identify the location(s) where water is to be discharged or returned to the source and the geographic locations using MTRS. Include Lat/Long coordinates if available.

Table 3: Location of Water Discharge or Return Flow (if applicable)								
Describe the area where the water will be discharged or returned to the source (Example: ground surface, name of river, lake, well, etc.)	Meridian	Township	Range	Section(s)	Quarter Sections (optional) QQ		Q	
						1/4		1/4
	Latitude:			Longitude:				
						1/4		1/4
	Latitude:			Longitude:				
						1/4		1/4
	Latitude:			Longitude:				
						1/4		1/4
	Latitude:			Longitude:				

Datum Used: Geographic Coordinate System for Lat/Long (e.g. NAD83): _____
(Attach additional sheets if needed)

SECTION VI: AMOUNT OF WATER per source

The next five pages contain a data table for each specific water source being requested (Source 1, Source 2, Source 3, Source 4, and Source 5). Complete a data table for each source. If you are only requesting one (1) source, complete only the Source 1 data table.

No more than five (5) sources per application.

Glossary of terms are listed on the last page of this application.

Source 1 (as identified in Section V, Table 1)

☐ **Surface Source Name (*Example: Chena River*):**

Source Depth (ft):	Source Width (ft) *(river, stream or creek only)*	Surface Area (acres): *(lake or pond. only)*	Source Volume (gallons):

Data Source(s):
(i.e. bathymetry, etc.)

Are fish present? ☐ Yes ☐ No ☐ Unknown

If Yes, what fish type(s) are they: ☐ Anadromous ☐ Resident ☐ Resistant ☐ Sensitive ☐ Unknown

☐ **Subsurface Source Name *(Example: Well A1)*:**

Well Depth (ft):	Well Diameter (in):	Static Water Level (ft):	Recovery Rate (g/m):

Is there a known contaminated site within ¼ mile of this source? ☐ Yes ☐ No ☐ Unknown

Quantity of Water to be used or taken from this source only:

Amount of Water to be Used:	Total amount per Day (gallons)	Total Seasonal Amount (gallons)	Total Seasonal Amount of Ice (gallons)	Total Water & Ice Combined (gallons)	Date Water Use Will Begin (mm/dd/yyyy)	Date Water Use Will End (mm/dd/yyyy)

Purpose: Describe how the water is to be used and for what purpose. If multiple uses describe each use. Specify season of use if applicable.

Method of Taking: (Check and complete all that apply) ☐ Withdrawal ☐ Diversion ☐ Impoundment ☐ In Source Water Use

☐ **Withdrawal:** *If there are considerable variations in the pump/siphon capacities and operation schedule, describe difference in an attachment.*

☐ Pumps ☐ Siphon	Number of Pump(s)/Siphon(s)	Pump/Siphon Intake Size (inches)	Max. Pump/Siphon Rate (gpm)	Max. Hours Pumping/Siphoning per Day (hrs)	# of Days Used/Month (days)	Length of pipe/hose *(pump/siphon to point of use)* (ft)

Haul Trucks:	Number of Trucks:	Tank Capacity (gal):	# of Loads/day:
Storage Tanks:	Number of Tanks:	Tank Capacity (gal):	# of Fill/day:

☐ **Diversion:** Is this diversion a stream bypass? ☐ Yes ☐ No

Does the diversion have a headgate structure? ☐ Yes ☐ No If Yes, how many hours/day will the headgate be open: _____ hrs

Pump:	Pipe/Hose Diameter (in)		Pipe/Hose Length (ft) *(from take point to pint of use)*		Screened	Diversion Rate (gpm or cfs)
					☐ Yes ☐ No	
Gravity / Ditch:	Length (ft)	Width (ft)	Depth (ft)	Lined	Head Elevation (ft)	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No		

☐ **Impoundment:** ***Attach drawings, specifications and plans***

Dam:	☐ Existing Dam ☐ Dam to be constructed				
	Dam Height (ft)	Dam Width at Base (ft)	Dam Width at Crest (ft)	Water Storage Capacity (gallons or acre-feet)	
Reservoirs / Cofferdam:	Length (ft)	Width (ft)	Depth (ft)	Reservoir Storage Capacity (gallons or acre-feet)	Cofferdam Dewatering Amount (gallons or acre-feet)
Levee	Length (ft)	Width (ft)	Height (ft)	Is this a Permanent Levee?	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No	

☐ **In Source Water Use:** *Water used does not leave water source* ***Attach drawings, specifications and plans***

☐ Hydrokinetic Device ☐ Hydroelectric Turbine ☐ Suction Dredge

Source 2 (as identified in Section V, Table 1)

☐ **Surface Source Name (*Example: Chena River*):**

Source Depth (ft):	Source Width (ft) *(river, stream or creek only)*	Surface Area (acres): *(lake or pond. only)*	Source Volume (gallons):

Data Source(s):
(i.e. bathymetry, etc.)

Are fish present? ☐ Yes ☐ No ☐ Unknown

If Yes, what fish type(s) are they: ☐ Anadromous ☐ Resident ☐ Resistant ☐ Sensitive ☐ Unknown

☐ **Subsurface Source Name *(Example: Well A1)*:**

Well Depth (ft):	Well Diameter (in):	Static Water Level (ft):	Recovery Rate (g/m):

Is there a known contaminated site within ¼ mile of this source? ☐ Yes ☐ No ☐ Unknown

Quantity of Water to be used or taken from this source only:

Amount of Water to be Used:	Total amount per Day (gallons)	Total Seasonal Amount (gallons)	Total Seasonal Amount of Ice (gallons)	Total Water & Ice Combined (gallons)	Date Water Use Will Begin (mm/dd/yyyy)	Date Water Use Will End (mm/dd/yyyy)

Purpose: Describe how the water is to be used and for what purpose. If multiple uses describe each use. Specify season of use if applicable.

Method of Taking: (Check and complete all that apply) ☐ Withdrawal ☐ Diversion ☐ Impoundment ☐ In Source Water Use

☐ **Withdrawal:** *If there are considerable variations in the pump/siphon capacities and operation schedule, describe difference in an attachment.*

☐ Pumps ☐ Siphon	Number of Pump(s)/Siphon(s)	Pump/Siphon Intake Size (inches)	Max. Pump/Siphon Rate (gpm)	Max. Hours Pumping/Siphoning per Day (hrs)	# of Days Used/Month (days)	Length of pipe/hose *(pump/siphon to point of use)* (ft)

Haul Trucks:	Number of Trucks:	Tank Capacity (gal):	# of Loads/day:
Storage Tanks:	Number of Tanks:	Tank Capacity (gal):	# of Fill/day:

☐ **Diversion:** Is this diversion a stream bypass? ☐ Yes ☐ No

Does the diversion have a headgate structure? ☐ Yes ☐ No If Yes, how many hours/day will the headgate be open: _____ hrs

Pump:	Pipe/Hose Diameter (in)		Pipe/Hose Length (ft) *(from take point to pint of use)*		Screened	Diversion Rate (gpm or cfs)
					☐ Yes ☐ No	
Gravity / Ditch:	Length (ft)	Width (ft)	Depth (ft)	Lined	Head Elevation (ft)	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No		

☐ **Impoundment:** ***Attach drawings, specifications and plans***

Dam:	☐ Existing Dam ☐ Dam to be constructed				
	Dam Height (ft)	Dam Width at Base (ft)	Dam Width at Crest (ft)	Water Storage Capacity (gallons or acre-feet)	
Reservoirs / Cofferdam:	Length (ft)	Width (ft)	Depth (ft)	Reservoir Storage Capacity (gallons or acre-feet)	Cofferdam Dewatering Amount (gallons or acre-feet)
Levee	Length (ft)	Width (ft)	Height (ft)	Is this a Permanent Levee?	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No	

☐ **In Source Water Use:** *Water used does not leave water source* ***Attach drawings, specifications and plans***

☐ Hydrokinetic Device ☐ Hydroelectric Turbine ☐ Suction Dredge

Source 3 (as identified in Section V, Table 1)

☐ **Surface Source Name (*Example: Chena River*):**

Source Depth (ft):	Source Width (ft) *(river, stream or creek only)*	Surface Area (acres): *(lake or pond. only)*	Source Volume (gallons):

Data Source(s):
(i.e. bathymetry, etc.)

Are fish present? ☐ Yes ☐ No ☐ Unknown

If Yes, what fish type(s) are they: ☐ Anadromous ☐ Resident ☐ Resistant ☐ Sensitive ☐ Unknown

☐ **Subsurface Source Name *(Example: Well A1)*:**

Well Depth (ft):	Well Diameter (in):	Static Water Level (ft):	Recovery Rate (g/m):

Is there a known contaminated site within ¼ mile of this source? ☐ Yes ☐ No ☐ Unknown

Quantity of Water to be used or taken from this source only:

Amount of Water to be Used:	Total amount per Day (gallons)	Total Seasonal Amount (gallons)	Total Seasonal Amount of Ice (gallons)	Total Water & Ice Combined (gallons)	Date Water Use Will Begin (mm/dd/yyyy)	Date Water Use Will End (mm/dd/yyyy)

Purpose: Describe how the water is to be used and for what purpose. If multiple uses describe each use. Specify season of use if applicable.

Method of Taking: (Check and complete all that apply) ☐ Withdrawal ☐ Diversion ☐ Impoundment ☐ In Source Water Use

☐ **Withdrawal:** *If there are considerable variations in the pump/siphon capacities and operation schedule, describe difference in an attachment.*

☐ Pumps ☐ Siphon	Number of Pump(s)/Siphon(s)	Pump/Siphon Intake Size (inches)	Max. Pump/Siphon Rate (gpm)	Max. Hours Pumping/Siphoning per Day (hrs)	# of Days Used/Month (days)	Length of pipe/hose *(pump/siphon to point of use)* (ft)

Haul Trucks:	Number of Trucks:	Tank Capacity (gal):	# of Loads/day:
Storage Tanks:	Number of Tanks:	Tank Capacity (gal):	# of Fill/day:

☐ **Diversion:** Is this diversion a stream bypass? ☐ Yes ☐ No

Does the diversion have a headgate structure? ☐ Yes ☐ No If Yes, how many hours/day will the headgate be open: _____ hrs

Pump:	Pipe/Hose Diameter (in)	Pipe/Hose Length (ft) *(from take point to pint of use)*	Screened	Diversion Rate (gpm or cfs)
			☐ Yes ☐ No	

Gravity / Ditch:	Length (ft)	Width (ft)	Depth (ft)	Lined	Head Elevation (ft)	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No		

☐ **Impoundment:** ***Attach drawings, specifications and plans***

Dam:	☐ Existing Dam ☐ Dam to be constructed			
	Dam Height (ft)	Dam Width at Base (ft)	Dam Width at Crest (ft)	Water Storage Capacity (gallons or acre-feet)

Reservoirs / Cofferdam:	Length (ft)	Width (ft)	Depth (ft)	Reservoir Storage Capacity (gallons or acre-feet)	Cofferdam Dewatering Amount (gallons or acre-feet)

Levee	Length (ft)	Width (ft)	Height (ft)	Is this a Permanent Levee?	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No	

☐ **In Source Water Use:** *Water used does not leave water source* ***Attach drawings, specifications and plans***

☐ Hydrokinetic Device ☐ Hydroelectric Turbine ☐ Suction Dredge

Source 4 (as identified in Section V, Table 1)

☐ **Surface Source Name (*Example: Chena River*):**

Source Depth (ft):	Source Width (ft) *(river, stream or creek only)*	Surface Area (acres): *(lake or pond. only)*	Source Volume (gallons):

Data Source(s):
(i.e. bathymetry, etc.)

Are fish present? ☐ Yes ☐ No ☐ Unknown

If Yes, what fish type(s) are they: ☐ Anadromous ☐ Resident ☐ Resistant ☐ Sensitive ☐ Unknown

☐ **Subsurface Source Name *(Example: Well A1)*:**

Well Depth (ft):	Well Diameter (in):	Static Water Level (ft):	Recovery Rate (g/m):

Is there a known contaminated site within ¼ mile of this source? ☐ Yes ☐ No ☐ Unknown

Quantity of Water to be used or taken from this source only:

Amount of Water to be Used:	Total amount per Day (gallons)	Total Seasonal Amount (gallons)	Total Seasonal Amount of Ice (gallons)	Total Water & Ice Combined (gallons)	Date Water Use Will Begin (mm/dd/yyyy)	Date Water Use Will End (mm/dd/yyyy)

Purpose: Describe how the water is to be used and for what purpose. If multiple uses describe each use. Specify season of use if applicable.

Method of Taking: (Check and complete all that apply) ☐ Withdrawal ☐ Diversion ☐ Impoundment ☐ In Source Water Use

☐ **Withdrawal:** *If there are considerable variations in the pump/siphon capacities and operation schedule, describe difference in an attachment.*

☐ Pumps ☐ Siphon	Number of Pump(s)/Siphon(s)	Pump/Siphon Intake Size (inches)	Max. Pump/Siphon Rate (gpm)	Max. Hours Pumping/Siphoning per Day (hrs)	# of Days Used/Month (days)	Length of pipe/hose *(pump/siphon to point of use)* (ft)

Haul Trucks:	Number of Trucks:	Tank Capacity (gal):	# of Loads/day:
Storage Tanks:	Number of Tanks:	Tank Capacity (gal):	# of Fill/day:

☐ **Diversion:** Is this diversion a stream bypass? ☐ Yes ☐ No

Does the diversion have a headgate structure? ☐ Yes ☐ No If Yes, how many hours/day will the headgate be open: _____ hrs

Pump:	Pipe/Hose Diameter (in)		Pipe/Hose Length (ft) *(from take point to pint of use)*		Screened	Diversion Rate (gpm or cfs)
					☐ Yes ☐ No	
Gravity / Ditch:	Length (ft)	Width (ft)	Depth (ft)	Lined	Head Elevation (ft)	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No		

☐ **Impoundment:** ***Attach drawings, specifications and plans***

Dam:	☐ Existing Dam ☐ Dam to be constructed				
	Dam Height (ft)	Dam Width at Base (ft)	Dam Width at Crest (ft)	Water Storage Capacity (gallons or acre-feet)	
Reservoirs / Cofferdam:	Length (ft)	Width (ft)	Depth (ft)	Reservoir Storage Capacity (gallons or acre-feet)	Cofferdam Dewatering Amount (gallons or acre-feet)
Levee	Length (ft)	Width (ft)	Height (ft)	Is this a Permanent Levee?	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No	

☐ **In Source Water Use:** *Water used does not leave water source* ***Attach drawings, specifications and plans***

☐ Hydrokinetic Device ☐ Hydroelectric Turbine ☐ Suction Dredge

Source 5 (as identified in Section V, Table 1)

☐ **Surface Source Name (*Example: Chena River*):**

Source Depth (ft):	Source Width (ft) *(river, stream or creek only)*	Surface Area (acres): *(lake or pond. only)*	Source Volume (gallons):

Data Source(s):
(i.e. bathymetry, etc.)

Are fish present? ☐ Yes ☐ No ☐ Unknown

If Yes, what fish type(s) are they: ☐ Anadromous ☐ Resident ☐ Resistant ☐ Sensitive ☐ Unknown

☐ **Subsurface Source Name *(Example: Well A1)*:**

Well Depth (ft):	Well Diameter (in):	Static Water Level (ft):	Recovery Rate (g/m):

Is there a known contaminated site within ¼ mile of this source? ☐ Yes ☐ No ☐ Unknown

Quantity of Water to be used or taken from this source only:

Amount of Water to be Used:	Total amount per Day (gallons)	Total Seasonal Amount (gallons)	Total Seasonal Amount of Ice (gallons)	Total Water & Ice Combined (gallons)	Date Water Use Will Begin (mm/dd/yyyy)	Date Water Use Will End (mm/dd/yyyy)

Purpose: Describe how the water is to be used and for what purpose. If multiple uses describe each use. Specify season of use if applicable.

Method of Taking: (Check and complete all that apply) ☐ Withdrawal ☐ Diversion ☐ Impoundment ☐ In Source Water Use

☐ **Withdrawal:** *If there are considerable variations in the pump/siphon capacities and operation schedule, describe difference in an attachment.*

☐ Pumps ☐ Siphon	Number of Pump(s)/Siphon(s)	Pump/Siphon Intake Size (inches)	Max. Pump/Siphon Rate (gpm)	Max. Hours Pumping/Siphoning per Day (hrs)	# of Days Used/Month (days)	Length of pipe/hose *(pump/siphon to point of use)* (ft)

Haul Trucks:	Number of Trucks:	Tank Capacity (gal):	# of Loads/day:
Storage Tanks:	Number of Tanks:	Tank Capacity (gal):	# of Fill/day:

☐ **Diversion:** Is this diversion a stream bypass? ☐ Yes ☐ No

Does the diversion have a headgate structure? ☐ Yes ☐ No If Yes, how many hours/day will the headgate be open: _____ hrs

Pump:	Pipe/Hose Diameter (in)		Pipe/Hose Length (ft) *(from take point to pint of use)*		Screened	Diversion Rate (gpm or cfs)
					☐ Yes ☐ No	
Gravity / Ditch:	Length (ft)	Width (ft)	Depth (ft)	Lined	Head Elevation (ft)	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No		

☐ **Impoundment:** ***Attach drawings, specifications and plans***

Dam:	☐ Existing Dam ☐ Dam to be constructed				
	Dam Height (ft)	Dam Width at Base (ft)	Dam Width at Crest (ft)	Water Storage Capacity (gallons or acre-feet)	
Reservoirs / Cofferdam:	Length (ft)	Width (ft)	Depth (ft)	Reservoir Storage Capacity (gallons or acre-feet)	Cofferdam Dewatering Amount (gallons or acre-feet)
Levee	Length (ft)	Width (ft)	Height (ft)	Is this a Permanent Levee?	Diversion Rate (gpm or cfs)
				☐ Yes ☐ No	

☐ **In Source Water Use:** *Water used does not leave water source* ***Attach drawings, specifications and plans***

☐ Hydrokinetic Device ☐ Hydroelectric Turbine ☐ Suction Dredge

SECTION VII: PROJECT DESCRIPTION

1. Summarize your entire project. Attach a detailed project description.

(Attach additional sheets if needed)

2. What alternative water sources are available should a portion of your requested use be excluded because of water shortage or public interest concerns?

(Attach additional sheets if needed)

3. Are there any surface water bodies or water wells at or near your site(s) that could be affected by the proposed activity?

☐ Yes ☐ No ☐ Unknown

If yes, list them and any surface water or ground water monitoring programs going on at or near the sites, any water shortages or water quality problems in the area, and any information about the water table, if known.

(Attach additional sheets if needed)

4. Briefly describe what changes at the project site and surrounding area will occur or are likely to occur because of construction or operation of your project (e.g. public access, streambed alteration, trenching, grading, excavation, etc.)

(Attach additional sheets if needed)

5. Briefly describe land use around the water take, use and return flow points (e.g. national park, recreational site, residential).

(Attach additional sheets if needed)

6. Will the project be worked in phases? ☐ Yes ☐ No

If Yes, describe the phases.

(Attach additional sheets if needed)

SECTION VIII: OTHER PERMITS THAT MAY BE REQUIRED

1. Have you contacted ADF&G for any required Permits? ☐ Yes ☐ No
2. Have you contacted ADEC for any required Water Authorizations? ☐ Yes ☐ No
3. Have you contacted the U.S. Army Corps of Engineers for any required Permits? ☐ Yes ☐ No
4. Have you received land access permission for all requested water sources, uses, and discharges? ☐ Yes ☐ No
5. If application includes an artificial barrier, such as a dam, reservoir, cofferdam, levee, etc., have you submitted the "Hazard Potential Classification and Jurisdictional Review" form to determine if it falls within the jurisdiction of the Alaska Dam Safety Program? https://dnr.alaska.gov/mlw/water/dams/ ☐ Yes ☐ No

SECTION IX: SIGNATURE

Check all that are attached:

☐ $450 Application Fee: Non-refundable.
Make checks payable to the "Department of Natural Resources."
*** For Credit Card payments, wait for confirmation email with assigned case number and payment instructions.*

☐ Detailed Project Description pertaining to Water Use
- ☐ Sketches, photos, specifications and plans
- ☐ Plans of water systems, if applicable

☐ Legible map that includes:
- ☐ Meridian, township, range, section
- ☐ Location of water source(s) and take point(s) are clearly marked and labeled
- ☐ Location(s) where water is to be used is/are clearly marked and labeled
- ☐ If applicable, location(s) where water is to be discharged or returned to the water source is/are clearly marked and labeled

☐ Copy of ADF&G Fish Habitat Permit(s), if applicable and available.
☐ Well Log(s), if applicable and available.
☐ Bathymetry or other source volume or flow rate data, if applicable and available

11 AAC 93.220 sets out the required information on the application and authorizes the department to consider any other information needed to process an application for a temporary use of water.

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.

By signature below, I hereby certify that I have the legal authority or have been granted the authority, to sign this application for a Temporary Water Use Authorization on behalf of the applicant listed. I also certify that the information presented in this application is true and correct to the best of my knowledge. I understand that no water right or priority is established per 11 AAC 93.210-220, that the water used remains subject to appropriation by others, and that temporary water use authorizations may be revoked if necessary to protect the water rights of other persons or the public interest.

_____ _____
Signature of Applicant or Authorized Representative Date:

_____
Printed Name

_____
Title

_____
Organization

REFERENCES

Measurement Units:

CFS = cubic feet per second
GPM = gallons per minute
GPD = gallons per day
MGD = million gallons per day

AF = acre-feet of water
AFD = acre-feet per day
AFY = acre-feet per year

Conversions:

1 CFS = 646,317 GPD 1 GPM = 1,440 GPD 1 AF = 325,851 Gallons

11 AAC 93.035. Requirement to apply for the use of a significant amount of water:

(a) A significant amount of water is that amount of water for which an application for a water right or an application for a temporary water use authorization is required, as described in (b) of this section.
(b) A person shall file an application for a water right under 11 AAC 93.040 or for a temporary water use authorization under 11 AAC 93.220 before
(1) the consumptive use of more than 5,000 gallons of water from a single source in a single day;
(2) the regular daily or recurring consumptive use of more than 500 gpd from a single source for more than 10 days per calendar year;
(3) the non-consumptive use of more than 30,000 gpd (0.05 cubic feet per second) from a single source; or
(4) any water use that may adversely affect the water rights of other appropriators or the public interest.

GLOSSARY OF TERMS

ADF&G:
Alaska Department of Fish and Game.

ADEC:
Alaska Department of Environmental Conservation

Anadromous Fish:
Fish that migrate from salt water to spawn in fresh water. A fish or fish species that spends portions of its life cycle in both fresh and salt waters, entering fresh water from the sea to spawn and includes the anadromous forms of pacific trout and salmon of the genus Oncorhynchus (rainbow and cutthroat trout and chinook, coho, sockeye, chum and pink salmon), Arctic char, Dolly Varden, sheefish, smelts, lamprey, whitefish, and sturgeon.

Cofferdam:
A water tight enclosure pumped dry to permit construction work below the waterline.

Dam:
An artificial barrier constructed to impound or hold back water to raise its level, or to divert the flow of water.
- AS 46.17.900(3) “Dam” includes an artificial barrier, and its appurtenant works, which may impound or divert water.

Discharge Area:
The location where water is discharged.

Diversion:
A channel or other structure used to change or direct the flow of water, over and in direct contact with the ground, from one watercourse to another. Any activity, constructed or not, that alters the natural flow of water such as: fill, levee, ditches, channels, culverts, cofferdams, temporary or permanent dams and reservoirs, etc.)

Gravity/Ditch:
The use of a natural or constructed ditch or channel to divert the natural flow of water from one location to another.

Haul Trucks:
Trucks specifically designed to haul water.

Headgate:
A gate for controlling the water flowing into a pipe or channel.

Impoundment:
Any temporary or permanent artificial barrier that holds back or confines the natural flow of water such as: a dam, reservoir, cofferdam, etc.).

In Source Water Use:

A device that is placed within a water source that utilizes the water for a specific purpose without removing the water from the source.

Examples:

- Hydrokinetic Device or Hydroelectric Turbine: source water flow is use to turn the device or turbine fins which turn a generator creating power.
- Suction dredging from a barge or other floating structure where:
  - both water and sediment are sucked up creating a water/sediment slurry which is pumped to another location within the water source for discharge; or
  - the water is separated from the water/sediment slurry with the separated water being discharged back into the water source and the sediment being discharged elsewhere.

Levee:

A natural or manmade embankment or barrier, along the edge of a stream, lake or river, built to direct the flow of water or to prevent the overflow of water such as a river.

Method of Taking:

How the water is removed from the source (i.e. pumping, diverting, and/or impounding) and the type of equipment used to remove the water.

Pump:

The use of mechanical pumps (manual, electric, internal combustion, etc.) to move water from one location to another.

Pump Around:

A dewatering method involving withdrawing water via pump, such as from a cofferdam or stream, to isolate the jurisdictional water from the work area to work in dry conditions. The water, which is initially pumped, is sometimes then discharged into a ditch or channel to complete the process of moving the water around the work area.

Recovery Rate: (Wells)

The rate at which water flows into the well while water is being pumped out of the well.

Reservoir:

A structure constructed to store water or cause water to be stored for use. A natural or manmade pond, lake, or basin, used for the storage, regulation, and control of water. Water held in storage in either an artificial or natural basin and impoundments primarily for a source of water for power, municipal, industrial, domestic or flood control use.

- AS 46.17.900(9) "reservoir" means a basin, appurtenant to a dam, that is capable of impounding water.

Resident Fish:

Fish that do not migrate out to the ocean, but remain in freshwater

Resistant Fish: (North Slope)

Species of fish that are resistant to low concentrations of dissolved oxygen. For example: ninespine stickleback and Alaska blackfish.

Sensitive Fish: (North Slope)

Species of fish that are sensitive to low concentrations of dissolved oxygen. These include Arctic grayling, Arctic char, lake trout, Dolly Varden, whitefish, and other species.

Siphon:

A tube, hose or pipe used to convey water upwards from one location then down to a lower location. Once water has been forced into the tube, hose or pipe, typically by suction or immersion, flow continues unaided.

Stream Bypass:

A diversion that returns the water to the same source stream but downstream from the original take point.

Storage Tanks:

Containers used to store water for short or long-term use.

Sub-surface Source:

Water that lies beneath the ground surface and is accessed through the use of a dug or drilled well, or an excavation such as a trench or pit.

Surface Source:

Water that is present on the ground surface such as: river, creek, stream, lake, pond, spring, wetland, etc.)

Take Point:

The location where water is withdrawn or diverted from its source.

Withdrawal:

A withdrawal occurs when water is taken from a ground or surface water source, either permanently or temporarily, and conveyed to an area or location for use or to a discharge area. A withdrawal is distinguished from a diversion in that a withdrawal occurs by taking water from the source via a hose or pipe wherein the withdrawn water is not in direct contact with the ground over which it is conveyed.