

DIVISION OF MINING, LAND AND WATER
WATER RESOURCES SECTION

www.dnr.state.ak.us/mlw/water/index.htm



Anchorage Office 550 West 7 th Avenue, Suite 1020 Anchorage, AK 99501-3562 (907) 269-8600 Fax: (907) 269-8947	Juneau Office PO Box 111020 400 Willoughby Avenue Juneau, AK 99811-1020 (907) 465-3400 Fax: (907) 586-2954	Fairbanks Office 3700 Airport Way Fairbanks, AK 99709 (907) 451-2790 Fax: (907) 451-2703	For ADNR Use Only Date/Time Stamp Priority Date May 16, 2013
For ADNR Use Only LAS # 29177	For ADNR Use Only CID # 49052	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 copy of 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 (e.g. 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 ADNR fish habitat permit (if applicable).
9. Attach notarized Statement of Beneficial Use of Water form and associated fee, if water system and water use are fully developed, and total water use does not exceed 500 gallons of water per day.
10. Attach completed Coastal Project Questionnaire (if applicable - see page 4)
11. Submit non-refundable fee (see page 4).

APPLICANT INFORMATION		Tailings Storage Facility (TSF)	
Donlin Gold LLC	Robert Enos		
Organization Name (if applicable)	Agent or Consultant Name (if applicable)		
Individual Applicant Name (if applicable)	Individual Co-applicant Name (if applicable)		
4720 Business Park Blvd., Suite G-25	Anchorage	AK	99503
Mailing Address	City	State	Zip Code
(907) 279-0383	(907) 279-0200		
Daytime Phone Number	Alternate Phone Number (optional)		
(907) 273-0201	renos@donlingold.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 Sections	
Attachment A						¼	¼
Location of Water Source							
Subdivision Name or Survey Number	Lot, Block, or Tract	Meridian	Township	Range	Section	Quarter Sections	
Attachment B						¼	¼
Location of Water Return Flow or Discharge (if applicable)							
Geographic Name of Water Body or Well Depth		Meridian	Township	Range	Section	Quarter Sections	
						¼	¼

WATER SOURCE				
Ground Water				
Type (e.g. drilled, dug)	Total Depth (in feet)	Static Water Level (in feet)	Date Completed	Well Production Capacity
Surface Water				
Type (e.g. stream, lake, spring)		Geographic Name (if named)		
Tailings Tailings Storage Facility		Anaconda Creek		

METHOD OF TAKING WATER (IF KNOWN)			
Pump	Pump Intake _____ Inches	Hours Working _____ Hours/Day	
	Pump Output _____ GPM	Length of Pipe _____ Feet (from pump to point of use)	
Gravity	Pipe Diameter _____ Inches	Length of Pipe _____ Feet (take point to point of use)	
	Head _____ Feet		
Ditch	L _____ H _____ W _____ Feet	Diversion Rate _____ <input type="checkbox"/> GPM or <input type="checkbox"/> CFS	
Reservoir	L _____ H _____ W _____ Feet	Water Storage _____ AF	
Dam	L <u>5,800</u> H <u>471</u> W <u>~1,990</u> Feet	Water Storage <u>24,000</u> [*] AF	[*] Maximum impoundment volume 366,000 acre-ft


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
Milling processing (ore) - Attachment C					24,000 AFY	1/1	12/31

Expected date for water system and water use to be fully developed or date when existing use started 2018.
 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. 11 AAC 93.050 authorizes the commissioner to decide what additional information is needed to process an application for a water right. This information is made a part of the state public water records and becomes public information under AS 40.25.110 and 40.25.120. 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.

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 5/16/2013

Name (please print) ROBERT FROS

Title (if applicable) ENVRO. & PERMITTING MANAGER

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>5,000 GPD=</u>	<u>30,000 GPD=</u>	<u>100,000 GPD=</u>	<u>500,000 GPD=</u>	<u>1,000,000 GPD=</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
0.2 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

Fees required by regulation 11 AAC 05.010(a)(8)

- **\$100** for one single-family residence or duplex, or for water use associated with one single-family residence or duplex
- **\$1,200** for activities related to oil and gas and associated substances
- **Fee varies** for activities related to locatable minerals, unless the application is filed under 11 AAC 05.010(a)(9)(E)(i) or (9)(F)(i) - *contact Water Resources Section for pre-application meeting*
- **Fee varies** for hydroelectric power generation - *contact Water Resources Section for pre-application meeting*
- **Fee varies** for water removal out of a hydrologic unit under AS 46.15.035 or 46.15.037 - *contact Water Resources Section for pre-application meeting*
- **\$200** for 5,000 GPD or less for a use not listed above
- **\$450** for greater than 5,000 GPD and no more than 30,000 GPD for a use not listed above
- **\$550** for greater than 30,000 GPD and no more than 100,000 GPD for a use not listed above
- **\$900** for greater than 100,000 GPD for a use not listed above

Make checks payable to "Department of Natural Resources."

Coastal Zone

If this appropriation is within the Coastal Zone, and you are planning to use more than 1,000 GPD from a surface water source or 5,000 GPD from a subsurface water source, you need to submit a completed Coastal Project Questionnaire with this application. For more information on the Coastal Zone, contact the Office of Project Management and Permitting; Anchorage 269-7470, Juneau 465-3562, www.dnr.state.ak.us/acmp/.

**Attachment A
TAILINGS STORAGE FACILITY**

LOCATIONS OF WATER USE

<u>Use</u>	<u>Location</u>
Mill Process Water	Section 1, 2, 11, and 12 T22N, R49W, Seward Meridian
Dust Control	Section 11, 12, 13, and 14 T22N, R49W, Seward Meridian and Section 7, 8, 17, 18, 19, and 20 T22N, R48W

**Attachment B
TAILINGS STORAGE FACILITY**

LOCATIONS OF WATER SOURCES

Source

Location

Anaconda Creek
Tailings Storage Facility

Section 11, 12, 13, and 14, T22N, R49W and Section
7, 8, 17, 18, 19, and 20, T22N, R48W Seward
Meridian

Attachment C TAILINGS STORAGE FACILITY

USE AND WATER QUANTITY

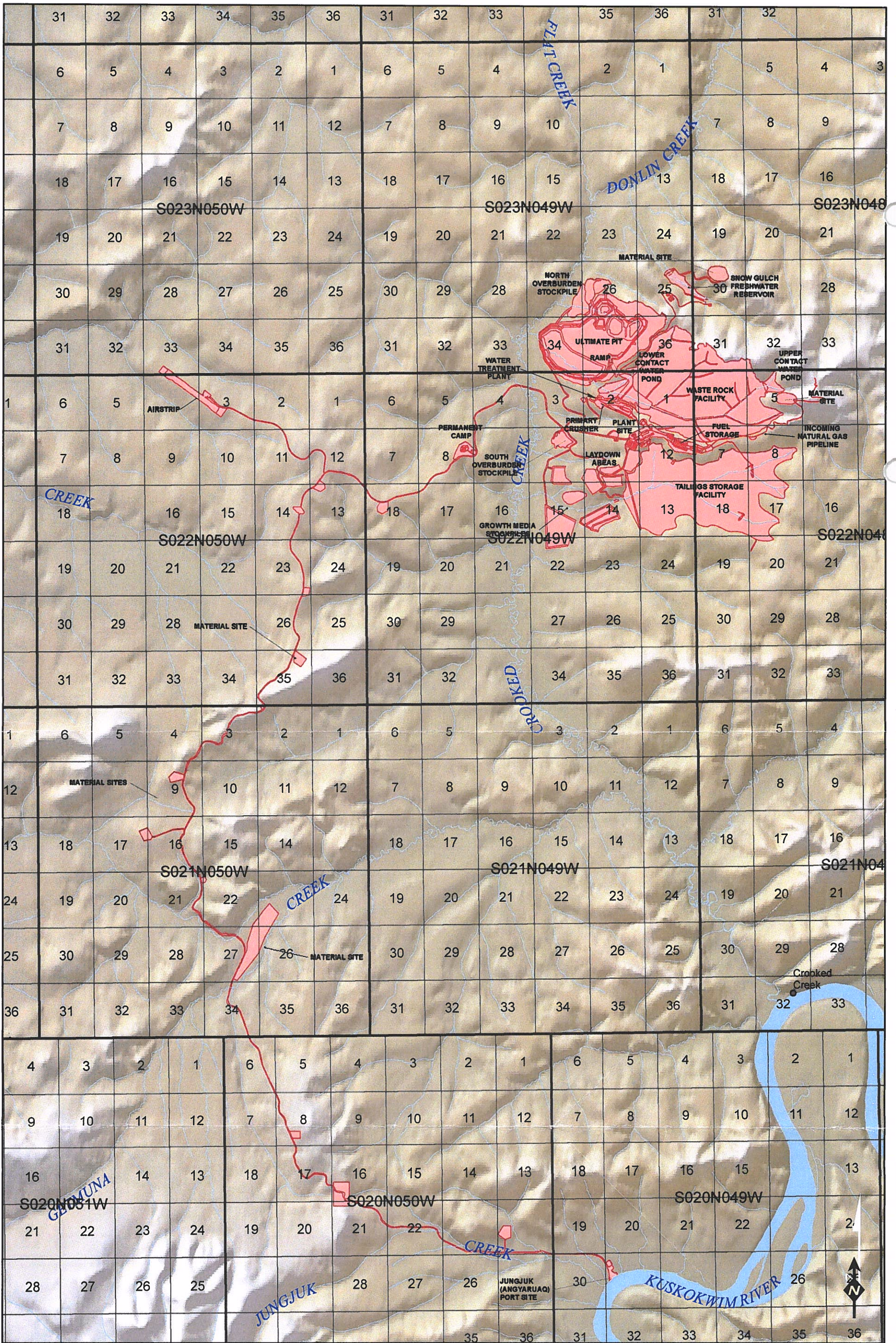
This water right is required for the operation of a large scale gold milling operation associated with the proposed Donlin Gold Mine. For a more detailed description of how the water will be used please refer to "Project Description, Plan of Operations – Volume I Donlin Gold Project" (July 2012) and "Water Resources Management Plan, Plan of Operations Vol. II" (July 2012), which were previously submitted to the State of Alaska.

The quantity of water applied for in this application is 24,000 acre-feet per year from the tailings impoundment. This quantity is the permitted storage volume within the tailings storage facility at closure plus additional capacity for stormwater storage.

There will be no discharge from the tailings storage facility. Dam and impoundment seepage will be captured by seepage collection/interceptor well system and pumped to the tailings storage facility or to the mill. Seepage reclaim and tailings decant water will be recycled as makeup water to the mill at a rate of approximately 14,000 gpm during average operating conditions.

During construction and operations a series of diversion ditches will be constructed along the north and south side of the TSF impoundment to divert stormwater and snow melt from entering the impoundment. The stormwater and snow melt is non-contact water and will be diverted to lower Anaconda Creek below the TSF dam and interceptor wells.

This water use application is needed to allow for the collection, control, and impoundment of water to assure that there is adequate supply for the long term operation of the mill facilities.



● Populated Place

■ Proposed Infrastructure Layout



**MINE FOOTPRINT FOR
WATER RIGHTS APPLICATION**

DONLIN GOLD PROJECT

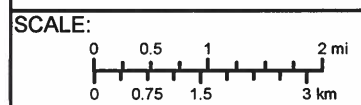


FIGURE:
1