

DIVISION OF MINING, LAND AND WATER  
**WATER RESOURCES SECTION**  
[www.dnr.state.ak.us/mlw/water/index.htm](http://www.dnr.state.ak.us/mlw/water/index.htm)



<b>Anchorage Office</b> 550 West 7 <sup>th</sup> Avenue, Suite 1020 Anchorage, AK 99501-3562 (907) 269-8600 Fax: (907) 269-8947	<b>Juneau Office</b> PO Box 111020 400 Willoughby Avenue Juneau, AK 99811-1020 (907) 465-3400 Fax: (907) 586-2954	<b>Fairbanks Office</b> 3700 Airport Way Fairbanks, AK 99709 (907) 451-2790 Fax: (907) 451-2703	For ADNR Use Only Date/Time Stamp <div style="border: 2px solid blue; padding: 5px; text-align: center;"> <span style="color: red; font-size: 1.2em;">MAY 13 2013</span> </div> WATER RESOURCES SECTION ANCHORAGE
For ADNR Use Only LAS # <u>29171</u>	For ADNR Use Only CID # <u>49052</u>	For ADNR Use Only Receipt Type <u>WR</u>	

**APPLICATION FOR WATER RIGHT**

<p><b>INSTRUCTIONS</b></p> <ol style="list-style-type: none"> <li>Complete one application for each water source (incomplete applications will not be accepted).</li> <li>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).</li> <li>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.</li> <li>Attach driller's well log for drilled wells (if already drilled and available).</li> <li>Attach sketch, photos, plans of water system, or project description (if applicable).</li> <li>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).</li> <li>Attach copy of approved ADEC water and wastewater system certificate (if applicable).</li> <li>Attach copy of ADNR fish habitat permit (if applicable).</li> <li>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.</li> <li>Attach completed Coastal Project Questionnaire (if applicable - see page 4).</li> <li>Submit non-refundable fee (see page 4).</li> </ol>
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<p><b>APPLICANT INFORMATION</b>      <b>Jungjuk Port Site Surface Water (Kuskokwim River)</b></p>			
Donlin Gold LLC Organization Name (if applicable)	Robert Enos Agent or Consultant Name (if applicable)		
Individual Applicant Name (if applicable)	Individual Co-applicant Name (if applicable)		
4720 Business Park Blvd., Suite G-25 Mailing Address	Anchorage City	AK State	99503 Zip Code
(907) 279-0383 Daytime Phone Number	(907) 279-0200 Alternate Phone Number (optional)		
(907)273-0201 Fax Number (if available)	renos@donlingold.com E-Mail Address (optional)		

PROPERTY DESCRIPTIONS								
<b>Location of Water Use</b>								
Subdivision Name or Survey Number	Lot, Block, or Tract	Meridian	Township	Range	Section	Quarter Sections		
Attachment A							¼	¼
<b>Location of Water Source</b>								
Subdivision Name or Survey Number	Lot, Block, or Tract	Meridian	Township	Range	Section	Quarter Sections		
Attachment B							¼	¼
<b>Location of Water Return Flow or Discharge (if applicable)</b>								
Geographic Name of Water Body or Well Depth		Meridian	Township	Range	Section	Quarter Sections		
							¼	¼

WATER SOURCE				
<b>Ground Water</b>				
Type (e.g. drilled, dug)	Total Depth (in feet)	Static Water Level (in feet)	Date Completed	Well Production Capacity
<b>Surface Water</b>				
Type (e.g. stream, lake, spring)		Geographic Name (if named)		
River		Kuskokwim River		

METHOD OF TAKING WATER (IF KNOWN)			
<b>Pump</b>	Pump Intake	<u>4-6</u> Inches	Hours Working <u>24</u> Hours/Day
	Pump Output	<u>800</u> GPM	Length of Pipe <u>YTD*</u> Feet (from pump to point of use)
<b>Gravity</b>	Pipe Diameter	_____ Inches	Length of Pipe _____ Feet (take point to point of use)
	Head	_____ Feet	
<b>Ditch</b>	L _____ H _____ W _____ Feet	Diversion Rate _____ <input type="checkbox"/> GPM or <input type="checkbox"/> CFS	
<b>Reservoir</b>	L _____ H _____ W _____ Feet	Water Storage _____ AF	
<b>Dam</b>	L _____ H _____ W _____ Feet	Water Storage _____ AF	

**\*Yet to be determined**

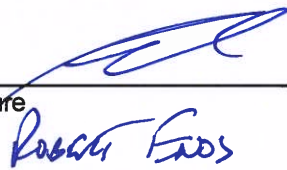
AMOUNT OF WATER							
Common Water Uses and Standard Amounts							
Type of Use	How Many		Standard Amounts		Total Amount Requested	Months of Use	
						Begin	End
Fully Plumbed Single-family Home (includes irrigation of 10,000 sq. ft.)	#_____Homes	X	500 GPD	=			
Partially Plumbed Single-family Home (no 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	
Fire Water / Dust Control at Jungjuk Port Site and Access Road to Donlin Gold Mine					637 AFY	05/01	10/31
Attachment C							

Expected date for water system and water use to be fully developed *or* date when existing use started 2015.  
 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 EADS Title (if applicable): EDWARD & DEBORAH MORGAN

**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/](http://www.dnr.state.ak.us/acmp/).

**Attachment A**  
**JUNGJUK PORT SITE SURFACE WATER APPLICATION**

**LOCATIONS OF WATER USE**

<u>Use</u>	<u>Location</u>
Dust Control	Potentially along all unpaved roads including portions of Section 1, 2, 3, 4, 8,9,10, 11, 12,13, 14, 15, 17, 18, and N ½ 22 T22N, R49W; Section 33 T23N, R50W; Section 5, 6, 7, 8, 17, 18, and 20 T22N, R48W; Section 2, 3, 4, 11, 12, 13, 14, 23, 26, and 35 T22N, R50W; Section 3,4,9,16, 21, 22, 27, 33, and 34 T21N, R50W; Section 6, 8, 16, 17, 21, 22, 23, 24, and 25 T20N, R50W; Section 19, 29, 30 T20N, R49W, Seward Meridian.
Fire Training and Suppression	Anywhere needed but primarily in the Jungjuk Port site area in N1/2 Section 29, T20N, R49W

**Attachment B**  
**JUNGJUK PORT SITE SURFACE WATER APPLICATION**

**LOCATIONS OF WATER SOURCES**

Source

Location

Kuskokwim River

Northwest ¼ of Section 29, T20N, R49W, Seward  
Meridian

**Attachment C**  
**JUNGJUK PORT SITE SURFACE WATER APPLICATION**

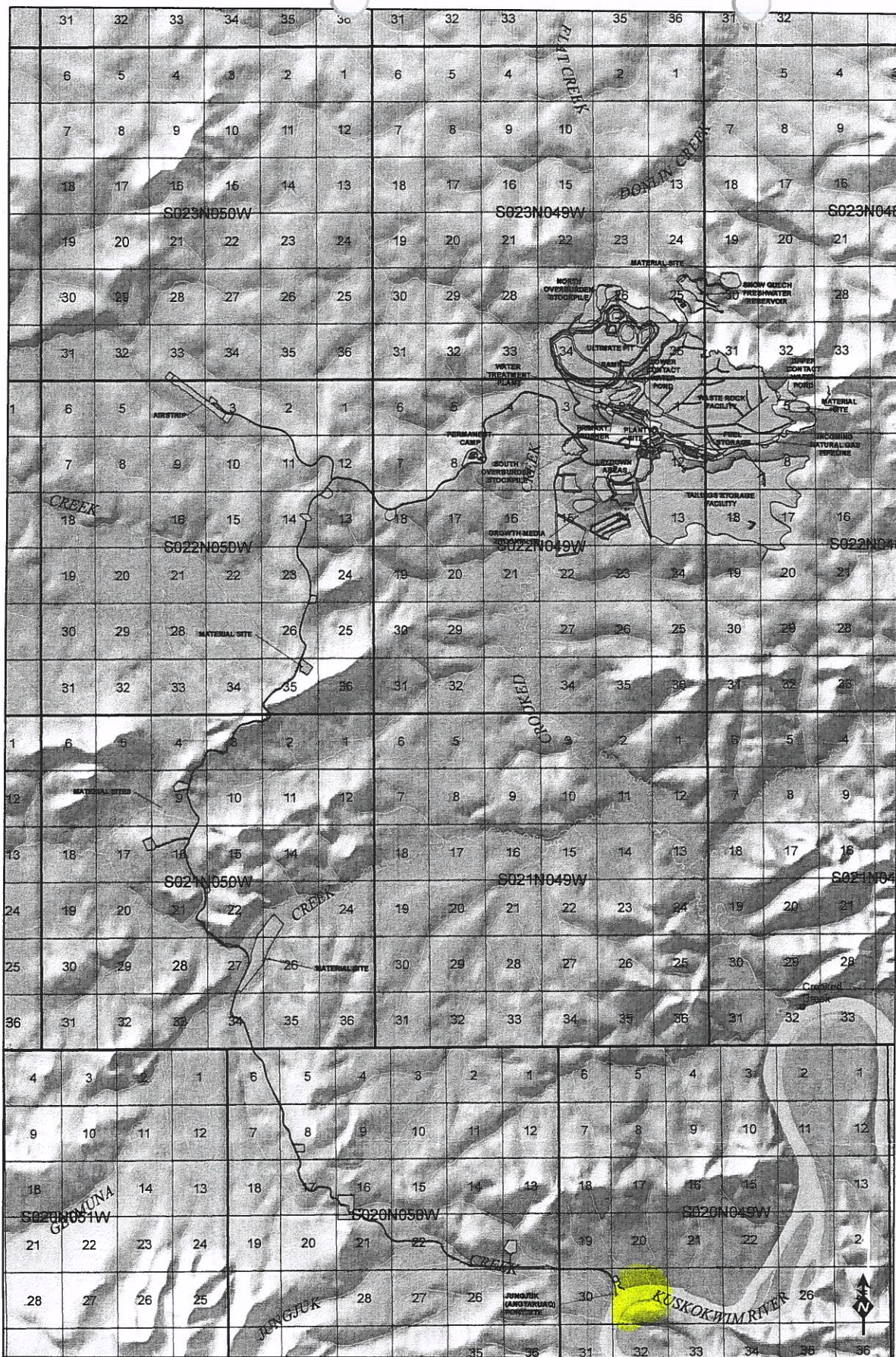
**USE AND WATER QUANTITY**

This water right is required for fire protection at the Jungjuk Port site. Fire protection water will be stored in a heated and insulated above-ground 240,000 gal (900 m<sup>3</sup>) dedicated water tank. The tank would be filled from a seasonally installed 800 gpm submersible pump in the Kuskokwim River. The intake will be screened (¼ inch mesh) and sized to limit inflow rate to ½ cfs.

Water from the tank would also be used for control of fugitive dust along the 30 mile Donlin-Jungjuk access road from the Jungjuk Port site to the airstrip, permanent camp, and mine site. For a description of additional water use 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 Jungjuk Port site and access road will only be used during a six month period extending from early May to November. Daily use of water for dust control will be dependent upon weather conditions.





- Populated Place
- ▭ Proposed Infrastructure Layout



**MINE FOOTPRINT FOR  
WATER RIGHTS APPLICATION**  
DONLIN GOLD PROJECT

