

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)



Anchorage Office 550 West 7 <sup>th</sup> 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 99709-4699 (907) 451-2790 Fax: (907) 451-2703	<i>For ADNR Use Only</i> <i>Date/Time Stamp</i> 10 April 2007 11:37 a.m. (by email) JAD
<i>For ADNR Use Only</i> TWUP # J2007-01	<i>For ADNR Use Only</i> CID # 46821	<i>For ADNR Use Only</i> Receipt Type WR	

**APPLICATION FOR TEMPORARY USE OF WATER**

<b>INSTRUCTIONS</b>
<ol style="list-style-type: none"> <li>Complete one application for each project including up to five water sources (incomplete applications will not be accepted).</li> <li>Attach legible map that includes meridian, township, range, and section lines such as a USGS topographical quadrangle or subdivision plat. Indicate water withdrawal point(s), location(s) of water use, and point(s) of return flow or discharge (if applicable).</li> <li>Attach sketch, photos, plans of water system, or project description (if applicable).</li> <li>Attach driller's well log for drilled wells (if available).</li> <li>Attach copy of ADNR fish habitat permit (if applicable).</li> <li>Attach completed Coastal Project Questionnaire (if applicable - see page 4).</li> <li>Submit non-refundable fee (see page 4).</li> </ol>

<b>APPLICANT INFORMATION</b>			
Niblack Lookout Unit Project			
Project Name			
Niblack Mining Corporation (NMC)		RTR Resource Mngt, Inc. - Robert T (Rick) Richins	
Organization Name (if applicable)		Agent or Consultant Name (if applicable)	
Paddy Nicol, President		Darwin Green, V.P. Exploration	
Individual Name (if applicable)		Individual Co-applicant Name (if applicable)	
Suite 615-800 West Pender Street		Vancouver, British Columbia	Canada V6C 2V6
Mailing Address		City	State Zip Code
604-484-5045		604-789-6043	
Daytime Phone Number		Alternate Phone Number (optional)	
604-684-0279		dgreen@niblackmining.com	
Fax Number (if available)		E-Mail Address (optional)	

PROPERTY DESCRIPTIONS						
Location of Water Use						
Project Area (e.g. milepost range, place name, survey number)	Meridian	Township	Range	Section	Quarter Sections	
30 miles Southwest of Ketchikan, Alaska	Copper	78 S	88 E	34	¼	¼
(See Map 1)	River				¼	¼
Location of Water Source						
Geographic Name of Water Body or Well Depth	Meridian	Township	Range	Section	Quarter Sections	
Groundwater intersected during tunnel excavation					¼	¼
(Niblack - Underground Exploration Plan of Operations)					¼	¼
					¼	¼
					¼	¼
					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	
No creeks are diverted					¼	¼
No discharges to waters of the U.S. per DEC Waste Water Management Permit					¼	¼


METHOD OF TAKING WATER		
<b>Pump</b>	Pump Intake <u>N.A.</u> Inches Pump Output _____ GPM	Hours Working _____ Hours/Day Length of Pipe _____ Feet (from pump to point of use)
<b>Gravity</b>	Pipe Diameter <u>N.A.</u> Inches Head _____ Feet	Length of Pipe _____ Feet (take point to point of use)
<b>Ditch</b>	L <u>N.A.</u> H _____ W _____ Feet	Diversion Rate _____ <input type="checkbox"/> GPM or <input type="checkbox"/> CFS
<b>Reservoir</b>	L <u>N.A.</u> H _____ W _____ Feet	Water Storage _____ Acre-feet
<b>Dam</b>	L <u>N.A.</u> H _____ W _____ Feet	Water Storage _____ Acre-feet



<b>AMOUNT OF WATER</b>					
<b>Purpose of Water Use</b>	<b>Quantity of Water</b>			<b>Season of Use</b>	
	<b>Maximum Withdrawal Rate</b>	<b>Total Daily Amount</b>	<b>Total Seasonal Amount</b>	<b>Date Work Will Start</b>	<b>Date Work Will be Completed</b>
Dewater Tunnel	120 gpm	173,000 gpd	Yr. around	March, 2007	February, 2009
Project Totals		173,000 gpd	63 mg/yr	Total years needed: <u>two years</u>	

<b>PROJECT DESCRIPTION</b>
<p>What alternative water sources are available to your project should a portion of your requested diversion be excluded because of water shortage or public interest concerns?</p> <p>SEE ATTACHED SHEET</p>
<p>Are there any surface water bodies or water wells at or near your site(s) that could be affected by the proposed activity? If yes, list any 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.</p> <p>SEE ATTACHED SHEET</p>
<p>Briefly describe the type and size of equipment used to withdraw and transport water, including the amount of water the equipment uses or holds.</p> <p>SEE ATTACHED SHEET</p>
<p>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).</p> <p>SEE ATTACHED SHEET</p>
<p>Briefly describe land use around the water take, use, and return flow points (e.g. national park, recreational site, residential).</p> <p>SEE ATTACHED SHEET</p>
<p>Will project be worked in phases? State reason for completion date.</p> <p>SEE ATTACHED SHEET</p>
<p>Briefly describe your entire project:</p> <p>SEE ATTACHED SHEET</p> <hr/> <hr/> <hr/>
<p>(Attach extra page if needed.)</p>

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. 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.

<b>SIGNATURE</b>	
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 a temporary water use authorization may be revoked if necessary to protect the water rights of other persons or the public interest.	
 <hr style="border: 0; border-top: 1px solid black;"/> Signature	March 6, 2007 <hr style="border: 0; border-top: 1px solid black;"/> Date
Darwin Green <hr style="border: 0; border-top: 1px solid black;"/> Name (please print)	VP Exploration <hr style="border: 0; border-top: 1px solid black;"/> Title (if applicable)

<b>REFERENCES</b>																														
<p><b>Measurement Units</b>                  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</p>																														
<p><b>Conversion Table</b></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;">5,000 GPD=</th> <th style="text-align: left; border-bottom: 1px solid black;">30,000 GPD=</th> <th style="text-align: left; border-bottom: 1px solid black;">100,000 GPD=</th> <th style="text-align: left; border-bottom: 1px solid black;">500,000 GPD=</th> <th style="text-align: left; border-bottom: 1px solid black;">1,000,000 GPD=</th> </tr> </thead> <tbody> <tr> <td>0.01 CFS</td> <td>0.05 CFS</td> <td>0.2 CFS</td> <td>0.8 CFS</td> <td>1.5 CFS</td> </tr> <tr> <td>3.47 GPM</td> <td>20.83 GPM</td> <td>69.4 GPM</td> <td>347.2 GPM</td> <td>694.4 GPM</td> </tr> <tr> <td>5.60 AFY</td> <td>33.60 AFY</td> <td>112.0 AFY</td> <td>560.1 AFY</td> <td>1120.1 AFY</td> </tr> <tr> <td>0.2 AFD</td> <td>0.09 AFD</td> <td>0.3 AFD</td> <td>1.5 AFD</td> <td>3.1 AFD</td> </tr> <tr> <td>0.01 MGD</td> <td>0.03 MGD</td> <td>0.1 MGD</td> <td>0.5 MGD</td> <td>1.0 MGD</td> </tr> </tbody> </table>	5,000 GPD=	30,000 GPD=	100,000 GPD=	500,000 GPD=	1,000,000 GPD=	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
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<p><b>Fee required by regulation 11 AAC 05.010(a)(8)</b></p> <ul style="list-style-type: none"> <li>• \$350 for all uses of water from up to five water sources</li> </ul> Make checks payable to "Department of Natural Resources".																														
<p><b>Coastal Zone</b></p> 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, <a href="http://www.dnr.state.ak.us/acmp/">www.dnr.state.ak.us/acmp/</a> .																														



ATTACHED SHEET  
TO  
APPLICATION FOR TEMPORARY USE OF WATER

**Project Description**

*1. What alternative water sources are available to your project should a portion of your requested diversion be excluded because of water shortage or public interest concerns?*

**Answer:** The project causes no impact to water supply; dewatering to current drainage. Water for workforce provided by holding tank at floating barge mancamp. Drinking water is bottled source.

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

**Answer:** Annual precipitation = 174 inches; treated dewatering source diverted to existing drainage. Only impact to local Camp Creek may be periodic increased flow associated with temporary dewatering excavation. This water to be treated to meet WQS – not discharged to waters of the U.S.

*3. Briefly describe the type and size of equipment used to withdraw and transport water, including the amount of water the equipment uses or holds*

**Answer:** Limited dewatering source to be reused in drilling underground. Underground drilling water use less than 10 gpm.

*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.*

**Answer:** Access has been improved via road. Excavation material to involve about 46,600 yd<sup>3</sup> of non-acid generating material to be stored on surface and less than 14,300 of potentially acid generating (PAG) material to be temporarily stored on the surface until cessation of construction and placement of PAG material back underground.

*5. Briefly described land use around the water take, use and return flow points.*

**Answer:** Land use is primarily historic mining and natural wildlife habitat. Mining remnants date back to 1899, and more recently 1977 (Anaconda) and 1995/1997 (Abacus).

*6. Will the project be worked in phases? State reason for completion date.*

**Answer:** The project will not be completed in phases. The construction and exploration program is estimated at 24 months. No phasing is currently contemplated. Decision

regarding future development will be based on exploration success, project economics and other unforeseen considerations.

**7. Briefly describe your entire project.**

**Niblack Mining Corporation (NMC) proposes to construct a 3090 ft. access drift, plus about 920 ft. of footwall drift and 1140 ft. of hanging wall drift for the purpose of exploring via underground drilling the Lookout Unit. About 50,000 ft. of diamond drilling is planned. The adit will be 14.5 ft. wide and 13 ft. high. It will generate 60,900 yd<sup>3</sup> of waste rock to be stored both permanently (NAG rock = 46,600 yd<sup>3</sup>) and temporarily (PAG rock = 14,300 yd<sup>3</sup>) prior to placement back underground. Previously, a 16 ft. wide access road was constructed from a barge landing area to the adit site**

**Currently, a water treatment plant is planned to treat up to 140 gpm of water from the excavation dewatering at the adit construction, as well as stormwater flows. A 24-person floating mancamp will accommodate the miners. It includes water, waste water, and solid waste management systems, all self-contained. A dock and barge landing area will also be constructed in advance of the adit construction during early spring, 2007. Other planned facilities and activities are described in detailed in the document: *Niblack Project Revised Underground Exploration Plan of Operations, Niblack Mining Corporation, January, 2007.***