

DIVISION OF MINING, LAND & WATER
WATER RESOURCES SECTION



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Fax: 269-8947

400 Willoughby, 4th Floor
Juneau, AK 99801
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| Office Use Only TWUP/LAS # F 2006-09 | Office Use Only CID# 124494 | Office Use Only Receipt Type WR |
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APPLICATION FOR TEMPORARY WATER USE PERMIT

Instructions

- Complete one application for each project - **Incomplete applications will not be accepted**
- Attach map indicating water withdrawal point(s), location(s) of water use, and point(s) of return flow - **Map must identify meridian, township, range, and section**

Attach sketch, photos, and / or plans of water system, and driller's well log, if applicable
Attach completed Coastal Project Questionnaire, if applicable (see page 3)
Submit **filing fee - Non-refundable** (see page 3)

Project Name: Rock Creek Mine/Mill Complex

Alaska Gold Company

Bristol Environmental & Engineering Services Corporation
Charlotte MacCay (agent)
111 W. 16th Avenue, Suite 301, Anchorage, Alaska 99501
907 743-9366 e-mail cmaccay@bristol-companies.com

Business Name Contact Person

P.O. Box 640, Nome Alaska 99762
Mailing Address City State Zip Code

907 443-5272
Phone Number Fax Number E-mail Address

| Legal Descriptions | | | | | |
|--|-------------------|----------|-------|----------------|------------------|
| Location of Water Use - <i>It is applicant's responsibility to obtain and maintain legal occupancy</i> | | | | | |
| Identifiable Landmarks (e.g. milepost, subdivision) | Meridian | Township | Range | Section | Quarter Sections |
| Rock Creek | West Kateel River | 10 S | 34 W | 14, 23 | ¼ |
| | | | | | ¼ |
| Location of Water Source - <i>It is applicant's responsibility to obtain and maintain legal access</i> | | | | | |
| Geographic Name of Water Body or Well Depth | Meridian | Township | Range | Section | Quarter Sections |
| Interception Wells Surrounding the Rock Creek Mine Pit | West Kateel River | 10 S | 34 W | 14, 23 | 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 |
| Infiltration Gallery Rock Creek Alluvium/Injection Wells, Lindblom Creek Valley and Rock Creek Valley | West Kateel River | 10 S | 34 W | 14, 15, 22, 23 | ¼ |
| | | | | | ¼ |

Attach page if needed

| Purpose of Water use Water | Quantity of Water Less than 5,000 gal/day | | Season Summer 2006 (may be renewed) | | Calculations Show how quantity was determined |
|---------------------------------------|--|--------------------|---|----------------------------------|--|
| | Maximum Withdrawal Rate | Total Daily Amount | Date Work Will Start | *Date All Work Will be Completed | |
| Mine Dewatering via Interceptor Wells | 650 GPM | 1.0 MGD | September 2006 | August 2011 | Hours/day: 24 Hrs/Day (as needed) Days/week . 7 days/wk (as needed) |
| Total Amount | 650 GPM | 1.0 MGD | *You may want to use the end of the construction season for your ending date | | Period. Year Round (as needed) |

| Method of Taking Water | | | | | |
|------------------------|-------------------------|---------------------|----------------|---|--|
| PUMP | Pump intake | _____ inches | Hours working | _____ 24 hrs. (as needed) _____ hours/day | |
| | Pump output | _____ 650 _____ GPM | Length of pipe | _____ feet (from pump to point of use) | |
| Gravity | Pipe diameter | _____ inches | Length of pipe | _____ feet (take point to use point) | |
| | Head | _____ feet | | | |
| Ditch | L _____ H ---- W | --- feet | Diversion | _____ GPM or CFS | |
| Reservoir | L _____ H ----- W | feet | Water storage | _____ AF | |
| Dam | L ----- H ----- W ----- | feet | Water storage | _____ AF | |

| Project Description |
|---|
| 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? |
| None- purpose is to prevent groundwater from filling the mine pit. |
| 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. |
| Yes – there will be a decrease in the flow to Rock Creek which is substantially fed by groundwater. There are no downstream users. |
| Briefly describe the type and size of equipment used to withdraw and transport water, including the amount of water the equipment uses or holds. |
| Eleven (11) interceptor wells are located around the mine pit for dewatering. Water collected by the interceptor wells will be reinjected into the ground at the infiltration gallery or into as many as fifteen (15) injection wells. Water will be treated to applicable water quality standards before reinjection. |
| 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) |
| Streambed alteration, trenching, grading and excavation |
| Briefly describe land use around the water take, use, and return flow points (e.g. national park, recreational site, residential) |
| Fairly remote region on the Seward Peninsula, uninhabited, no adjacent communities within 5.0 miles. |
| Will project be worked in phases? State reason for completion date. |
| No. |

Briefly summarize your entire project.

Rock Creek Mine Project (Project) is located on the Seward Peninsula 6 miles north of Nome in the Snake River watershed. The Project will consist of a open pit mine, mine tailing impoundment, two non-acid generating development rock dumps, a gold recovery plant, and a paste tailing facilities. Ore milling rates are anticipated at 2.5 million tonnes (MT) per year, while development rock stripping will range between 4 to 5 MT per year.

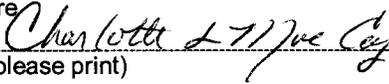
The hydrogeology of the Rock Creek basin is controlled by surficial and bedrock geology, the topographic setting, as well as climate and hydrology. There is a significant quantity of groundwater moving downslope in the alluvium within the Rock Creek Valley. Groundwater within this alluvium includes direct precipitation, interflow from the upper slopes, and groundwater discharged from depth.

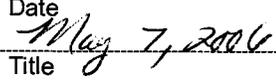
The interception wells (pit perimeter dewatering wells) have a capacity of 1,000,000 gallons per day. Water from the eleven (11) pit perimeter dewatering wells will be reinjected in an infiltration gallery located in the alluvial fan of Rock Creek or in up to as many as fifteen (15) Class V injection wells located to the north and northwest of the plant site.

Attach extra page if needed

| References | |
|--|---|
| <p>Coastal Zone If this appropriation is within the Coastal Zone, and you are using more than 1,000 GPD from a surface source or 5,000 GPD from a subsurface source, you need to submit a completed Coastal Project Questionnaire. For more information on the Coastal Zone, contact the Division of Governmental Coordination; Anchorage 269-7470, Juneau 465-3562.</p> | <p>Fee Schedule - Make checks payable to "Department of Revenue" \$ 50.00 For use of 5,000 GPD or less, \$ 100.00 For use of more than 5,000 GPD but less than 30,000 GPD. \$ 200.00 For use of 30,000 GPD or more but less than 100,000 GPD. \$ 300.00 For use of 100,000 GPD or more but less than 500,000 GPD. \$ 500.00 For use of 500,000 GPD or more but less than 1,000,000 GPD. \$ 1,000.00 For use of 1,000,000 GPD or more except (see next line) \$ 1,500.00 For use of 1,000,000 GPD or more, outside of the hydrologic unit from which it was removed (based on current USGS Hydrologic Unit Map of Alaska). \$ 500.00 For use of any quantity of glacier ice.</p> |
| <p>Definitions GPD = Gallons per day CFS = Cubic feet per second GPM = Gallons per minute 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>Conversion 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</p> |

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 water use remains subject to appropriation by others, and that a temporary water use permit may be revoked if necessary to protect the water rights of other persons or the public interest.

Signature 
Name (please print)
Charlotte Maccay

Date 
Title
Environmental Management, Project Manager

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Attach sketch, photos, and / or plans of water system, and driller's well log, if applicable
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Submit filing fee - Non-refundable (see page 3)

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| Legal Descriptions | | | | | | |
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| Location of Water Use - <i>It is applicant's responsibility to obtain and maintain legal occupancy</i> | | | | | | |
| Identifiable Landmarks (e.g. milepost, subdivision) | Meridian | Township | Range | Section | Quarter Sections | |
| Rock Creek | West Kateel River | 10 S | 34 W | 14, 23 | | ¼ |
| | | | | | | ¼ |
| Location of Water Source - <i>It is applicant's responsibility to obtain and maintain legal access</i> | | | | | | |
| Geographic Name of Water Body or Well Depth | Meridian | Township | Range | Section | Quarter Sections | |
| Rock Creek Mine Pit, | West Kateel River | 10 S | 34 W | 14, 23 | | 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 | |
| Infiltration Gallery/ Injection Wells, Lindblom Creek Valley and Rock Creek Valley | West Kateel River | 10 S | 34 W | 14, 15, 22, 23 | ¼ | ¼ |
| | | | | | ¼ | ¼ |

Attach page if needed

| Purpose of Water use Water | Quantity of Water Less than 5,000 gal/day | | Season Summer 2006 (may be renewed) | | Calculations Show how quantity was determined |
|--|--|--------------------|---|----------------------------------|--|
| | Maximum Withdrawal Rate | Total Daily Amount | Date Work Will Start | *Date All Work Will be Completed | Hours/day: 24 Hrs/Day (as needed) Days/week . 7 days/wk (as needed) |
| Mine pit dewatering of precipitation via pit sumps to keep pit dry for operational purposes. | 7,000 GPM | 1.008 MGD | September 2006 | August 2011 | |
| Max Total Amount Anticipated | 7,000 GPM | 1.008 MGD | *You may want to use the end of the construction season for your ending date | | Period. Year Round (as needed) |

| Method of Taking Water | | | | | |
|------------------------|---------------|-------------------------------|----------------|----------------------------------|--|
| PUMP | Pump intake | __ inches | Hours working | __ 24 hrs. (as needed) hours/day | |
| | Pump output | __ 7,000 GPM | Length of pipe | feet (from pump to point of use) | |
| Gravity | Pipe diameter | __ inches | Length of pipe | feet (take point to use point) | |
| | Head | __ feet | | | |
| Ditch | L | __ H ---- W | Diversion | __ GPM or CFS | |
| Reservoir | L | __ H ----- W feet | Water storage | __ AF | |
| Dam | L | __ ----- H ----- W ----- feet | Water storage | __ AF | |

| Project Description |
|---|
| 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? None - purpose is to dewater the mine pit. |
| 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. Yes – there will be some depletion of flow to Rock Creek. There are no downstream users. |
| Briefly describe the type and size of equipment used to withdraw and transport water, including the amount of water the equipment uses or holds. Pit sumps are located within the mine pit on an as need basis for dewatering of surface precipitation. Water collected by the pit sumps will be reinjected into the ground at the infiltration gallery or in up to as many as fifteen (15) injection wells. Water will be treated to meet applicable water quality standards before reinjection. |
| 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) Streambed alteration, trenching, grading and excavation |
| Briefly describe land use around the water take, use, and return flow points (e.g. national park, recreational site, residential) Fairly remote region on the Seward Peninsula, uninhabited, no adjacent communities within 5.0 miles. |
| Will project be worked in phases? State reason for completion date. No. |

Briefly summarize your entire project.

Rock Creek Mine Project (Project) is located on the Seward Peninsula 6 miles north of Nome in the Snake River watershed. The Project will consist of a open pit mine, mine tailing impoundment, two non-acid generating development rock dumps, a gold recovery plant, , and a paste tailing facilites. Ore milling rates are anticipated at 2.5 million tonnes (MT) per year, while development rock stripping will range between 4 to 5 MT per year.

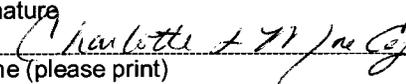
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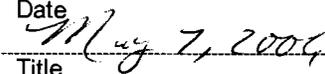
Sump pumps will be placed in the mine pit to dewater surface precipitation. The sump pumps will collectively have a maximum capacity of 1,008,000 gallons per day. Water from the sump pumps will be reinjected in to the infiltration gallery or in up to as many as fifteen (15) Class V injection wells located north and northwest of the plant site.

Attach extra page if needed

| References | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--------------|--------------|----------------|--------------|----------------|----------|----------|---------|---------|---------|----------|-----------|----------|-----------|-----------|----------|-----------|-----------|-----------|------------|---------|----------|---------|---------|---------|----------|----------|---------|---------|---------|
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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 water use remains subject to appropriation by others, and that a temporary water use permit may be revoked if necessary to protect the water rights of other persons or the public interest.

Signature _____

 Name (please print)
 Charlotte Maccay

Date _____

 Title
 Environmental Management, Project Manager

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WATER RESOURCES SECTION



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111 W. 16th Avenue, Suite 301, Anchorage, Alaska 99501
907 563-0013 e-mail cmaccay@bristol-companies.com

| | | | |
|-----------------|----------------|----------------|----------|
| Business Name | Contact Person | | |
| P.O. Box 640, | Nome | Alaska | 99762 |
| Mailing Address | City | State | Zip Code |
| 907 443-5272 | | | |
| Phone Number | Fax Number | E-mail Address | |

| Legal Descriptions | | | | | |
|---|-------------------|----------|-------|-------------|------------------|
| Location of Water Use - It is applicant's responsibility to obtain and maintain legal occupancy | | | | | |
| Identifiable Landmarks (e.g. milepost, subdivision) | Meridian | Township | Range | Section | Quarter Sections |
| Rock Creek | West Kateel River | 10 S | 34 W | 14, 23 | |
| Location of Water Source - It is applicant's responsibility to obtain and maintain legal access | | | | | |
| Geographic Name of Water Body or Well Depth | Meridian | Township | Range | Section | Quarter Sections |
| Rock Creek mine drainage from plant site drainage ditches and tailings storage facility routed to the mill recycle pond for mill use. | West Kateel River | 10 S | 34 W | 14, 23 | |
| Location of Water Return Flow or Discharge, if applicable | | | | | |
| Geographic Name of Water Body or Well Depth | Meridian | Township | Range | Section | Quarter Sections |
| No discharge | West Kateel River | 10 S | 34 W | 14, 15, 22, | |

Attach page if need

| Purpose of Water use Mill process water from plant –site Drainage channels and water that Collects in the tailings storage Facility. | Quantity of Water Less than 5,000 gal/day | | Season Summer 2006 (may be renewed) | | Calculations Show how quantity was determined |
|--|--|-----------------------|---|--|--|
| | Maximum Withdrawal Rate | Total Daily Amount | Date Work Will Start | *Date All Work Will be Completed | Hours/day: 24 Hrs/Day (as needed) Days/week . 7 days/wk (as needed) |
| Plant Site drainage channels - (30,000 gpm/7 MGD) | GPM | MGD | September 200 | August 2011 | Period. Year Round (as needed) |
| (TSF 15,000 GPM/20 MGD) | 45,000 GPM | 27 MGD | | | |
| Max Total Amount Anticipated | GPM 45,000 GPM | MGD 190 MG/Year | *You may want to use the end of the construction season for your ending date | | |

| <u>Method of Taking Water</u> | | |
|--|---|--|
| PUMP (tsf to mill recycle pond) Gravity | Pump intake <u>4</u> inches (verticle submersible) Pump output <u>500</u> GPM Pipe diameter _____ inches Head _____ feet | Hours working <u>24 hrs. (as needed)</u> hours/day Length of pipe <u>1200</u> feet (from pump to point of use) Length of pipe _____ feet (take point to use point) |
| Ditch(plant site) Reservoir Dam (tailings dam) | L 3100 H 4 W 10 feet L _____ H _____ W feet L 6700 H 90 W 33 crest feet | Diversion _____ GPM or CFS Water storage _____ AF Water storage <u>850</u> AF max area (258 AF max water storage anticipated) |

Project Description

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?

Water supply could be taken from the upstream diversion ditches that flow to Lindblom Creek, and/or the Snake River, and/or interception wells, but that would leave mine drainage that required treatment and discharge.

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.

Yes – flows may be depleted in Rock Creek. There are no downstream users.

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

Ditches will collect surface water/mine drainage from around the mine/mill site and the tailings storage facility nad it will flow either by gravity or be pumped to the mill recycle pond and then pumped into the mill for use in the milling/refining process.

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)

trenching, grading and excavation

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

Fairly remote region on the Seward Peninsula, uninhabited, no adjacent communities within 5.0 miles.

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

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Briefly summarize your entire project.

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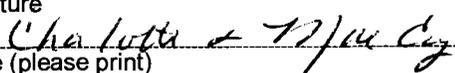
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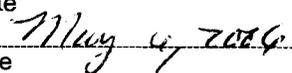
Mine drainage will be collected for re-use in the mill to minimize the need for treatment and discharge.

Attach extra page if needed

| References | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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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 water use remains subject to appropriation by others, and that a temporary water use permit may be revoked if necessary to protect the water rights of other persons or the public interest.

Signature

 Name (please print)
 Charlotte Maccay

Date

 Title
 Environmental Management, Project Manager

DIVISION OF MINING, LAND & WATER
WATER RESOURCES SECTION



550 West 7th Ave., Suite 900A
Anchorage, AK 99501-3577
907-269-8503
Fax: 269-8947

400 Willoughby, 4th Floor
Juneau, AK 99801
907-465-3400
Fax: 586-2954

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Office Use Only TWUP/LAS# F2006-12 *Office Use Only* CID# 124494 *Office Use Only* Receipt Type WR

APPLICATION FOR TEMPORARY WATER USE PERMIT

Instructions

- Complete one application for each project - **Incomplete applications will not be accepted**
- Attach map indicating water withdrawal point(s), location(s) of water use, and point(s) of return flow - **Map must identify meridian, township, range, and section**
Attach sketch, photos, and / or plans of water system, and driller's well log, if applicable
Attach completed Coastal Project Questionnaire, if applicable (see page 3)
Submit filing fee - Non-refundable (see page 3)

Project Name: Rock Creek Mine/Mill Complex

Alaska Gold Company

Bristol Environmental & Engineering Services Corporation
Charlotte MacCay (agent)
111 W. 16th Avenue, Suite 301, Anchorage, Alaska 99501
907 563-0013 e-mail cmaccay@bristol-companies.com

Business Name Contact Person

P.O. Box 640, Nome Alaska 99762
Mailing Address City State Zip Code

907 443-5272
Phone Number Fax Number E-mail Address

| <i>Legal Descriptions</i> | | | | | |
|--|-------------------|----------|-------|-------------|------------------|
| Location of Water Use - It is applicant's responsibility to obtain and maintain legal occupancy | | | | | |
| Identifiable Landmarks (e.g. milepost, subdivision) | Meridian | Township | Range | Section | Quarter Sections |
| Rock Creek | West Kateel River | 10 S | 34 W | 14, 23 | |
| Location of Water Source - It is applicant's responsibility to obtain and maintain legal access | | | | | |
| Geographic Name of Water Body or Well Depth | Meridian | Township | Range | Section | Quarter Sections |
| Rock Creek Diversion Ditches to Lindblom Creek | West Kateel River | 10 S | 34 W | 14, 23 | |
| Location of Water Return Flow or Discharge, if applicable | | | | | |
| Geographic Name of Water Body or Well Depth | Meridian | Township | Range | Section | Quarter Sections |
| Lindblom Creek | West Kateel River | 10 S | 34 W | 14, 15, 22, | |

Attach page if need

| Purpose of Water use Upper ditch and lower north ditches Upper ditch 350,000 gpm 97 MGD Lower north 50,000 gpm 14MGD | Quantity of Water Less than 5,000 gal/day | | Season Summer 2006 (may be renewed) | | Calculations Show how quantity was determined |
|---|--|--------------------|---|----------------------------------|--|
| | Maximum Withdrawal Rate | Total Daily Amount | Date Work Will Start | *Date All Work Will be Completed | Hours/day: 24 Hrs/Day (as needed) Days/week . 7 days/wk (as needed) |
| Diversion of water to minimize draing through the mine pit | 400,000 GPM | 111 MGD | September 200 | August 2011 | Days/week . 7 days/wk (as needed) |
| Max Total Amount Anticipated | 400,000 GPM | 345 MG/Year | *You may want to use the end of the construction season for your ending date | | Period. Year Round (as needed) |

| Method of Taking Water | | | | | |
|------------------------|---|--|---------------------|----------------------------------|--|
| PUMP | Pump intake ___inches | | Hours working | 24 hrs. (as needed) 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 use point | |
| | Head_____ feet | | | | |
| Ditch | L_9800_H 6- W 10 feet | | Diversion_____ | GPM or CFS | |
| | L_4000_H 4_ W 4 feet | | | | |
| | Note: channel height varies with topography | | | | |
| Reservoir | L H ----- W feet | | Water storage _____ | AF | |
| Dam | L ----- H ----- W ----- feet | | Water storage _____ | AF | |

| Project Description |
|---|
| 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? |
| None - the purpose is to minimize drainage through the rock creek mine area |
| 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. |
| Yes – flows may be depleted in Rock Creek. There are no downstream users. |
| Briefly describe the type and size of equipment used to withdraw and transport water, including the amount of water the equipment uses or holds. |
| Ditches will divert surface stormwater away from Rock Creek to drain into Lindblom Creek. |
| 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) |
| Streambed alteration, trenching, grading and excavation |
| Briefly describe land use around the water take, use, and return flow points (e.g. national park, recreational site, residential) |
| Fairly remote region on the Seward Peninsula, uninhabited, no adjacent communities within 5.0 miles. |
| Will project be worked in phases? State reason for completion date. |
| No. |

Briefly summarize your entire project.

Rock Creek Mine Project (Project) is located on the Seward Peninsula 6 miles north of Nome in the Snake River watershed. The Project will consist of a open pit mine, mine tailing impoundment, two non-acid generating development rock dumps, a gold recover plant, , and a paste tailing facilities. Ore milling rates are anticipated at 2.5 million tonnes (MT) per year, while development rock stripping will range between 4 to 5 MT per year.

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Diversion ditches will minimize flow through the mine area thereby minimizing contact with exposed minerals. There will be less potential for impacts to water quality and less need for water treatment at the mine site.

Attach extra page if needed

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Date _____
 Title Environmental Management, Project Manager