THE STATE of ALASKA
GOVERNOR MIKE DUNLEAVY

Department of Environmental Conservation

DIVISION of Water
Juneau

410 Willoughby Ave
Juneau, AK 99801
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3/21/2024

Daniel Bleidorn
Lands and Resources Manager
City and Borough of Juneau
155 S SEWARD ST
Juneau, AK 99801
Dan.Bleidorn@juneau.gov

SUBJECT: APDES Inspection of the A.J. Mine, Individual Permit AK0049514.

Dear City and Borough of Juneau:

Per the Alaska Pollutant Discharge Elimination System, an inspection of the A.J. Mine was conducted on February 28, 2024. We would like to provide you with a copy of the inspection report for your records. Thank you for your cooperation and assistance regarding this inspection and for your efforts in protecting human health and the environment.

Sincerely,

Jon Wendel, Compliance and Enforcement Program Manager

Credential No. *R*-0317

Check One:
(X) Emailed
( ) Sent by Certified Mail

on the 21 day of March, 2024

cc:
DEC.Water.APDESData@alaska.gov
Jon Wendel, DEC

# APDES INSPECTION REPORT

Alaska Department of Environmental Conservation
Division of Water
410 Willoughby Avenue Ste. 303, Juneau, AK 99801

## Section 1: General Data

| Permit Number | Announced / Unannounced | Receiving Waters | Inspection Date |
|---|---|---|---|
| Number: AK0049514 | Announced | Gold Creek | Date: 2/28/2024 (onsite follow-up 3/21/2024) |
| Effective: 4/1/2005 | | | Entry Time: 1:00 |
| Expiration: 3/31/2010 | | | Exit Time: 3:00 |

## Section 2: Facility Data

Name of Facility: Alaska Juneau Mine

| On-Site Representative/Physical Address: | Responsible Party/Mailing Address: |
|---|---|
| Name: Daniel Bleidorn<br>Title: Lands and Resources Manager<br>Company: City and Borough of Juneau<br>Address: 155 S SEWARD ST<br>Juneau, AK 99801<br>Phone: 586-5252 x4177<br>Email: Dan.Bleidorn@juneau.gov<br><br>Latitude/Longitude at the outfall (from Permit)<br>Outfall 001: 58.307222, -134.378056<br>Outfall 003: 58.308333, -134.383667<br>Outfall 005: 58.306944, -134.363889 | Name: Daniel Bleidorn<br>Title: Lands and Resources Manager<br>Company: City and Borough of Juneau<br>Address: 155 S SEWARD ST<br>Juneau, AK 99801<br>Phone: 586-5252 x4177<br>Email: Dan.Bleidorn@juneau.gov |
| Additional Inspection Participants:<br>Kenneth O'Brien - DEC | *For internal use only:*<br>*Off-Site Compliance Evaluation : ☐ Yes ☒No*<br>*NAICS: 10410103 (Underground Gold Mining)* |

## Section 3: Findings

**Background/Regulatory Status/Compliance History**

The City and Borough of Juneau (CBJ or City) is authorization to discharge water from the Alaska Juneau (AJ) Mine per the National Pollutant Discharge Elimination System Individual Permit AK0049514. The permit was initially issued by the EPA on January 26th, 2005, and became effective on April 1, 2005. The permit expired on March 31, 2010, and was subsequently administratively extended pending the reissuance of the permit. In 2017, the permit was modified to comply with the EPA Electronic Reporting Rule which requires reporting of discharge monitoring reports through NetDMR. In 2010, regulatory oversight of the permit was transferred to DEC as part of the Departments assumption of the NPDES program, as outlined in the EPA approval of the APDES program.

The City is the operator of the mine; however, the AJ Mine is currently inactive and has been since the early 2000s when closure activities were completed. The only activities which will occur at the site during the

upcoming years are care and maintenance along with permit required sampling and monitoring. The site has three outfalls which all have unique monitoring requirements:

1. The Gold Creek Drainage Tunnel (GCDT - Outfall 001) discharge contains water which comes in contact with the historic mine workings intercepting infiltration and runoff from precipitation and snow melt. Flow is discharged from tunnel portal and is continuous, despite the fact that the source of the water is rainfall and snow melt, because the water has a long residence time in the mine workings prior to discharge.
2. The Ebner adit (Outfall 003) discharge contains water which comes in contact with the historic mine workings intercepting infiltration and runoff from precipitation and snow melt. The discharge from Outfall 003 is similar in many ways to Outfall 001, however, the flow from Outfall 003 is considerably lower than 001.
3. The "00" adit (Outfall 005) is a point source discharge to Gold Creek, however, this outfall is inaccessible and it is not possible to safely sample it (according to the EPA Fact Sheet). According to the 1998 BMP plan (Kvaerner, 1998), this discharge has existed since 1917 and has an established drainage channel, so there is minimal potential for erosion or water quality impacts. The water discharged from this outfall does not come into contact with the mine workings and flows only in response to precipitation events. Therefore, neither the previous permit nor the current permit contains monitoring requirements or effluent limitations for this outfall.

Receiving water monitoring is required at two locations (a third location, GCF was removed in the reissuance of the permit in 2005) and occurs annually between January 1 and May 31. GCB is located just downstream of Outfall 001, while station GCR is located just upstream of the discharge from Outfall 001 and downstream from Outfall 005. Monitoring results from the surface water monitoring from GCB and GCR are submitted annual with the annual report.

In Alaska, all waterbodies are protected for all designated uses, unless the water body has been specifically reclassified in Title 18 Alaska Administrative Code (AAC), Chapter 70.230(e) or a site-specific criterion is in effect. If a waterbody has been reclassified such that it is not expected to attain a particular designated use, the criteria intended to support that designated use do not apply to that waterbody. The most stringent statewide criterion which is applicable to a given waterbody will control, unless a site specific criterion is listed for the waterway in 18 AAC 70.236(b). Gold Creek has not been reclassified, but it has been given a site-specific criterion of 300 mg/L for total dissolved solids (TDS), which EPA approved on April 3, 1998. Therefore, the most stringent statewide criteria apply to Gold Creek, except for the site-specific TDS criterion.

This is the 12th inspection of the site. The Department of Environmental Conservation (DEC) conducted the first inspection of the site in 1990, however, the following 10 inspections were conducted by the EPA. The inspection covers the time period between January 1, 2019 and February 28th, 2024. This timeframe represents the entirety of time between the EPA inspection in 2018 and the date of the onsite 2024 DEC inspection where compliance activities would be required (between August 30, 2018 and January 1, 2019 it is unlikely that compliance activities occurred).

The compliance monitoring review and a review of Environmental Compliance History Online (ECHO) and Integrated Compliance Information System (ICIS) ECHO/ICIS has shown that this facility is not in significant noncompliance for the period of this evaluation.

**Field Inspection**

Upon arrival at the City offices, introductions were exchanged, and inspector credentials were presented.

The following information was provided verbally by onsite representatives and a records review was conducted:

- Dan Bleidorn has been with CBJ since 2009.
- Prior to coming to CBJ, Dan worked as a bench analysis at Analytical Alaska doing water quality sample analysis. Dan also worked in the field as needed.
- Dan has been the Lands and Resource Manager since 2020 and was present during the 2018 EPA inspection.
- Generally, the Lands and Resources Department manages lands not otherwise actively managed which includes current and previously permitted sites (such as the Pioneer Access Road (AKR10FS26) and CBJ rock quarries (AKR06AD61)).
- Dan enters analytical results into NetDMR and submits them.
- Dan also works periodically with other CBJ APDES permits such as the Multi Sector General Permit (MSGP) permits of the rock quarries.
- The Lands and Resource Department has two employees.
- The AJ Mine is currently inactive, and no exploration has occurred since the 2018 inspection (or since the issuance of the permit in 2005).
- There are no plans to reopen the mine for active mining or other uses, such as tourism, in the foreseeable future.
- Nearly all the mine is on property owned by CBJ, however, additional mine access points may exist on other privately owned properties, such as land owned by Alaska Electric Light and Power. A land survey was conducted in 2011, but that record was not available at the time of the inspection.
- Generally:
    - Outfall 001 drains the tunnels from the Mt. Roberts side of the AJ Mine. Of the two monitored outfalls, it has the highest flow.
    - Outfall 003 drains the tunnels from the Mt. Juneau side of the AJ Mine. Of the two monitored outfalls, it has the lowest flow.
    - Both outfalls discharge continuously, but the flow from Outfall 003 is more seasonally impacted by precipitation and snow melt.
    - Outfall 005 is located high up on Mt. Roberts and was removed from the reissuance of the 2005 Permit by the EPA.
- The locations of the outfalls on the Individual Permit are accurate.
- The CBJ uses Admiralty Environmental (Admiralty), in Juneau, Alaska for sample analysis.
- CBJ and Admiralty typically conducted Outfall 001 and 003 monitoring during April/May.
- Mercury is required to be sampled three times annually, so sampling for mercury may occur in March depending on site access.
- Mercury sampling is conducted one to two weeks apart depending on the schedule (to complete monitoring by May 31st).
- Surface water monitoring (GCR and GCB) is conducted at the same time as Outfall monitoring.
- Flow monitoring on Outfall 001 is conducted using a flow gauge. Admiralty staff measure the flow while conducting Outfall 001 sampling by reading the water line on the side of the gauge which corresponds to a certain flow rate. That flow rate is then mathematically converted to million gallons per day (mgd).
- Flow monitoring from Outfall 003 is conducted using a five-gallon bucket and a stopwatch. The average time it takes to fill the bucked (five fills) is converted to a mgd.
- Flow is measured by putting the bucket below the outfall and filling it with discharging water (imagine filling a bucket with a garden hose).

- Surface water monitoring flow at GCB (downstream of Outfall 001) is measured using an instream flow meter and a calculated stream width/dept at various points.
- Surface water monitoring flow at GCR (upstream of Outfall 001) is calculated by subtracting the flow rate of Outfall 001 from the downstream surface water monitoring flow at GCB.
- Surface water flow monitoring is conducted on the same days as other surface water and outfall monitoring.
- The flow rates from the Outfalls and surface water monitoring locations does not show a trend either towards higher or lower flows.
- Flow monitoring is also taken during mercury sampling events.
- Admiralty conducts all monitoring (such as pH and other field parameters) and sampling requirements associated with the Individual Permit and also does all analytical analysis (or subcontracts it to other labs – such as metals).
- Sampling at the Outfalls and surface water monitoring location has not been missed or conducted outside of January 1 through May 31st annually.
- No modifications to the BMP Plan or QAPP have occurred since the 2013 versions were finalized.
- The Great North mine workings are filling up with water and would eventually discharge through Outfall 003. It is unknown when this might take place.
- There have been no noncompliance events that would require reporting to the EPA or DEC.
- No known spills have occurred within the AJ Mine since at least 2019 (or during the review period of this inspection).

Due to the weather on the day of the inspection, snowing as well as the days prior, the site was likely under considerable snow load and an onsite observation of the outfalls was not conducted. Much of the site is located within an active avalanche shoot, and safety concerns were taken into consideration in the decision to forgo the field aspect of the inspection at the request of the City. However, the site was inspected by the EPA in 2018 during which an onsite inspection did occur. As no changes have been made to the site in any way since the 2018 inspection (which didn't identify any permit violations) it is probable that no additional violations exist onsite that would have been discovered through the field inspection portion of this inspection. A follow-up inspection was conducted on March 21, 2024, for a visual inspection of the area. During the onsite portion of the inspection on March 21st, the area was still under considerable snow load and the outfall were inaccessible.

The following information was obtained through a detailed review of onsite monitoring records (such as chain-of-custody forms) and information submitted on discharge monitoring reports:

| AJ sampling | | | | | |
|---|---|---|---|---|---|
| | **GCR** | **GCB** | **001** | **003** | **Mercury 3x** |
| **2019** | 4/22/2019 | 4/22/2019 | 4/22/2019 | 4/22/2019 | 4/22/2019<br>4/29/2019<br>5/01/2019 |
| **2020** | 5/19/2020 | 5/19/2020 | 5/19/2020 | 5/19/2020 | 5/19/2020<br>5/26/2020<br>5/28/2020 |
| **2021** | 4/27/2021 | 4/27/2021 | 4/27/2021 | 4/27/2021 | 4/27/2021 |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | 5/4/2021 |
| | | | | | 5/6/2021 |
| **2022** | | | | | 4/11/2022 |
| | | | | | 5/10/2022 |
| | 4/11/2022 | 4/11/2022 | 4/11/2022 | 4/11/2022 | 5/13/2022 |
| **2023** | | | | | 4/10/2023 |
| | | | | | 5/5/2023 |
| | 4/10/2023 | 4/10/2023 | 4/10/2023 | 4/10/2023 | 5/8/2023 |

** sampling has not occurred for 2024 and is not yet required.*

| **Sampling** | **YES** ☐ | **NO** ☒ |
|---|---|---|

**Records Review**

The following records were reviewed as part of the on-site inspection and are considered complete:

- Copy of Individual Permit
- Copy of Permit Application
- Discharge Monitoring Reports and Surface Water Monitoring
  - 2019 – Submitted June 29, 2019
  - 2020 – Submitted July 20, 2020
  - 2021 – Submitted July 21, 2021
  - 2022 – Submitted June 30, 2022
  - 2023 – Submitted June 30, 2022
- Quality Assurance Project Plan
  - Chain of Custody
  - Training (Admiralty does the training)
  - Calibration records from monitoring equipment
- Best Management Practices Plan
  - Inspections
  - Training
- Field monitoring
- Noncompliance notifications (none during the review period)

**Closing Conference**

The following participants were present during the closing conference:

- Kenneth O'Brien – DEC
- Dan Bleidorn – CBJ

Upon completion of inspection, a closing conference was held. The DEC inspector provided the facility with preliminary inspection findings and discussed follow-up procedures.

## Section 4: Compliance

**Violations**

No violations were identified during this inspection.

**Areas of Concern**

The language of the permit is not specific regarding DMR submittal, and outside of the Schedule of Submission, which conflicts with Permit Part III.B, simply states that DMRs are due 'annually and must be postmarked on or before June 30'. Furthermore, section II.B.3 states that the DMR 'must be submitted to EPA and ADEC with the annual DMR." Upon investigation within NetDMR and the Integrated Compliance Monitoring Strategy (ICIS) it appears that the DMR 'due date' is the following year by June 30th – meaning the 2023 monitoring, that was conducted between January 1, 2023 and May 31, 2023 (specifically sampled on April 10, 2023) is not due until June 30, 2024. DEC will defer to the EPA, but this extended due date of over a year is atypical within the APDES/NPDES permit universe. The Permit does not contain specific enough information to determine if the 2020 and 2021 DMR submittal was late, as they were both submitted in July of there respective year, however, the extended due date in ICIS and NetDMR makes them compliant.

## Section 5: Appendixes

1. Photo Addendum
2. DMR Summary

## Signature

**Inspector** – Jon Wendel
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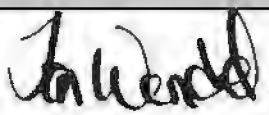
Phone: (907) 465-5364
E-mail: Jon.wendel@alaska.gov

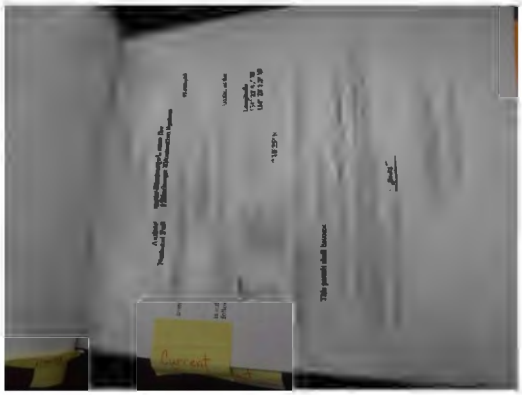
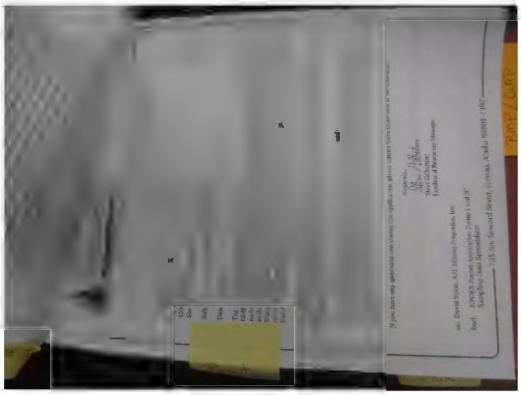
**Reviewed By** – Jake Ross
Credential Number:R-0519
Phone: (907) 465-5308
E-mail: jake.ross@alaska.gov

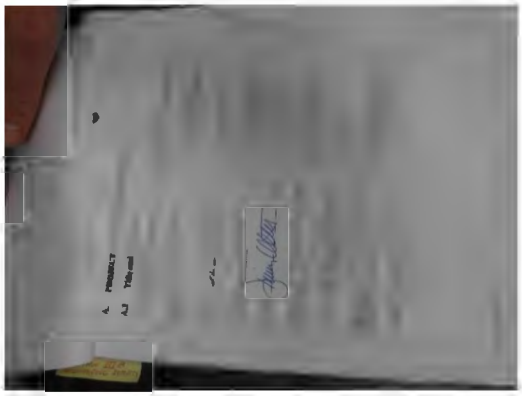
X 

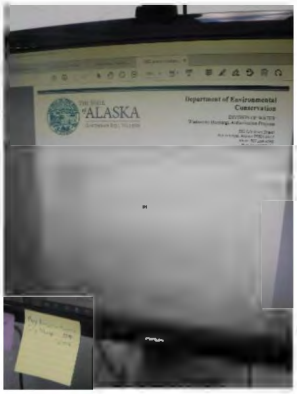
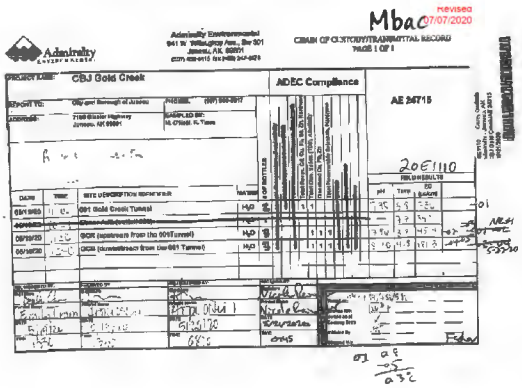
Date: 3/21/2024

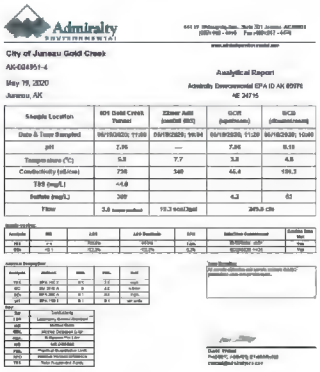
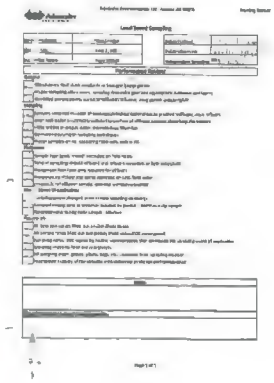
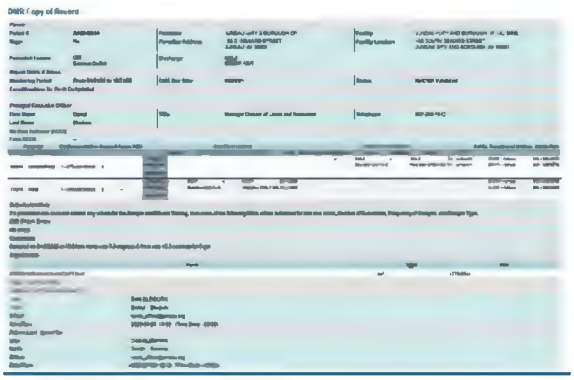
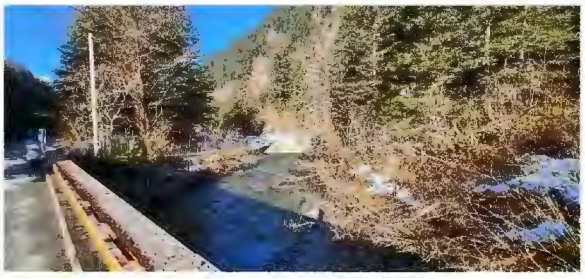
X 

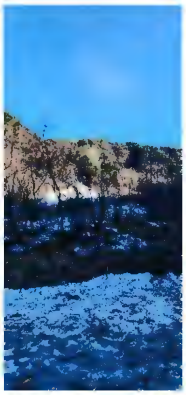
Date: 3/18/2024

| Photo Addendum | |
|---|---|
| **Photo 01** | **Photo 02** |
|  |  |
| Individual Permit | Permit Application |

| **Photo 03** | **Photo 04** |
|---|---|
|  |  |
| QAPP Signature Page | BMP Signature Page |

| **Photo 05** | **Photo 06** |
|---|---|
|  |  |
| Permit Modification | Admiralty Environmental Chain of Custody |

| Photo Addendum | |
|---|---|
| **Photo 07** | **Photo 08** |
|  |  |
| Field Parameter Monitoring | Sampler Training Records |
| **Photo 09** | **Photo 10** |
|  |  |
| Copy of DMR | Site Access Gate |
| **Photo 11** | **Photo 12** |
|  |  |
| Mt. Roberts | Flow weir |

| Photo Addendum | |
|---|---|
| **Photo 13** | **Photo 14** |
|  |  |
| Avalanche shoot on Mt. Juneau | Last Chance Mining Museum |

| Photo 15 |
|---|
|  |
| Gold Creek |

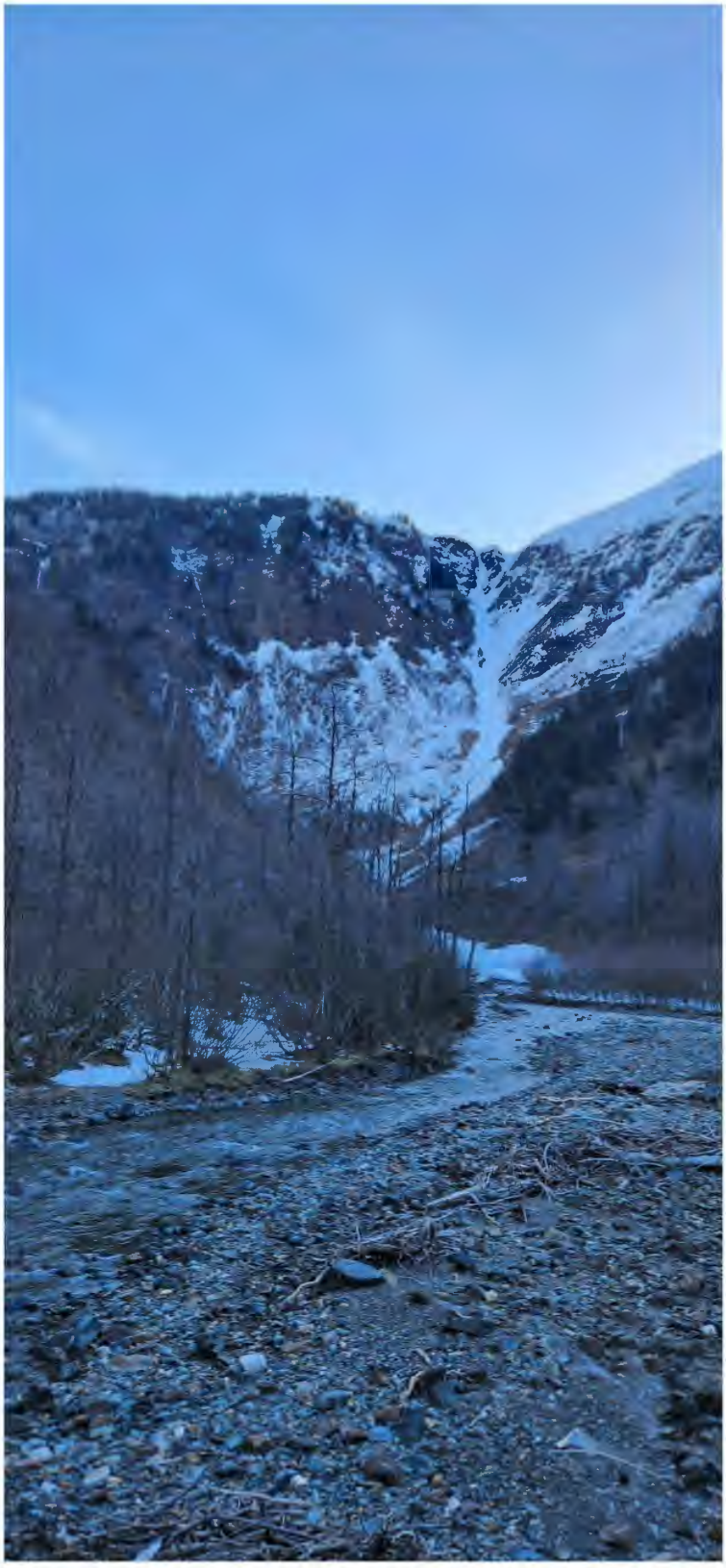
**Photo 16**

Mine Outfalls Under Avalanche

**Photo 17**

Gold Creek

**Photo 18**



Gold Creek and Mine Site

| Permit Numbe | Parameter | DMR Value | Units |
|---|---|---|---|
| AK0049514 | pH | 8.09 | SU |
| AK0049514 | pH | 8.09 | SU |
| AK0049514 | Alkalinity, total [as CaCO3] | 120 | mg/L |
| AK0049514 | Alkalinity, total [as CaCO3] | 120 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 400 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 400 | mg/L |
| AK0049514 | Selenium, total recoverable | 4.2 | ug/L |
| AK0049514 | Selenium, total recoverable | 4.2 | ug/L |
| AK0049514 | Zinc, total recoverable | 16 | ug/L |
| AK0049514 | Zinc, total recoverable | 16 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.1 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.1 | ug/L |
| AK0049514 | Lead, total recoverable | 0.26 | ug/L |
| AK0049514 | Lead, total recoverable | 0.26 | ug/L |
| AK0049514 | Copper, total recoverable | 0.18 | ug/L |
| AK0049514 | Copper, total recoverable | 0.18 | ug/L |
| AK0049514 | Solids, total dissolved | 480 | mg/L |
| AK0049514 | Solids, total dissolved | 480 | mg/L |
| AK0049514 | Mercury, total recoverable | 0.00234 | ug/L |
| AK0049514 | Mercury, total recoverable | 0.00234 | ug/L |
| AK0049514 | Flow | 4.13 | MGD |
| AK0049514 | Flow | 4.13 | MGD |
| AK0049514 | Conductivity | 344 | umho/cm |
| AK0049514 | Conductivity | 344 | umho/cm |
| AK0049514 | Flow | 0.0083 | MGD |
| AK0049514 | Flow | 0.0083 | MGD |
| AK0049514 | pH | 7.95 | SU |
| AK0049514 | pH | 7.95 | SU |
| AK0049514 | Alkalinity, total [as CaCO3] | 120 | mg/L |
| AK0049514 | Alkalinity, total [as CaCO3] | 120 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 410 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 410 | mg/L |
| AK0049514 | Selenium, total recoverable | 4.6 | ug/L |
| AK0049514 | Selenium, total recoverable | 4.6 | ug/L |
| AK0049514 | Zinc, total recoverable | 38 | ug/L |
| AK0049514 | Zinc, total recoverable | 38 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.1 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.1 | ug/L |
| AK0049514 | Lead, total recoverable | 1 | ug/L |
| AK0049514 | Lead, total recoverable | 1 | ug/L |
| AK0049514 | Copper, total recoverable | 1 | ug/L |
| AK0049514 | Copper, total recoverable | 1 | ug/L |

| | | | |
|---|---|---|---|
| AK0049514 | Solids, total dissolved | 480 | mg/L |
| AK0049514 | Solids, total dissolved | 480 | mg/L |
| AK0049514 | Mercury, total recoverable | 0.0026 | ug/L |
| AK0049514 | Mercury, total recoverable | 0.0033 | ug/L |
| AK0049514 | Flow | 0.743 | MGD |
| AK0049514 | Flow | 0.743 | MGD |
| AK0049514 | Conductivity | 349 | umho/cm |
| AK0049514 | Conductivity | 349 | umho/cm |
| AK0049514 | Flow | 0.017 | MGD |
| AK0049514 | Flow | 0.017 | MGD |
| AK0049514 | pH | 7.94 | SU |
| AK0049514 | pH | 7.94 | SU |
| AK0049514 | Alkalinity, total [as CaCO3] | 100 | mg/L |
| AK0049514 | Alkalinity, total [as CaCO3] | 100 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 400 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 400 | mg/L |
| AK0049514 | Selenium, total recoverable | 4.4 | ug/L |
| AK0049514 | Selenium, total recoverable | 4.4 | ug/L |
| AK0049514 | Zinc, total recoverable | 17 | ug/L |
| AK0049514 | Zinc, total recoverable | 17 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.1 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.1 | ug/L |
| AK0049514 | Lead, total recoverable | 0.26 | ug/L |
| AK0049514 | Lead, total recoverable | 0.26 | ug/L |
| AK0049514 | Copper, total recoverable | 0.24 | ug/L |
| AK0049514 | Copper, total recoverable | 0.24 | ug/L |
| AK0049514 | Solids, total dissolved | 500 | mg/L |
| AK0049514 | Solids, total dissolved | 500 | mg/L |
| AK0049514 | Mercury, total recoverable | 0.00365 | ug/L |
| AK0049514 | Mercury, total recoverable | 0.006 | ug/L |
| AK0049514 | Flow | 1.64 | MGD |
| AK0049514 | Flow | 1.64 | MGD |
| AK0049514 | Conductivity | 359 | umho/cm |
| AK0049514 | Conductivity | 359 | umho/cm |
| AK0049514 | Flow | 0.023 | MGD |
| AK0049514 | Flow | 0.023 | MGD |
| AK0049514 | pH | 8.02 | SU |
| AK0049514 | pH | 8.02 | SU |
| AK0049514 | Alkalinity, total [as CaCO3] | 110 | mg/L |
| AK0049514 | Alkalinity, total [as CaCO3] | 110 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 440 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 440 | mg/L |
| AK0049514 | Selenium, total recoverable | 4.7 | ug/L |

| | | | |
|---|---|---|---|
| AK0049514 | Selenium, total recoverable | 4.7 | ug/L |
| AK0049514 | Zinc, total recoverable | 22 | ug/L |
| AK0049514 | Zinc, total recoverable | 22 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.001 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.001 | ug/L |
| AK0049514 | Lead, total recoverable | 0.001 | ug/L |
| AK0049514 | Lead, total recoverable | 0.001 | ug/L |
| AK0049514 | Copper, total recoverable | 0.001 | ug/L |
| AK0049514 | Copper, total recoverable | 0.001 | ug/L |
| AK0049514 | Solids, total dissolved | 580 | mg/L |
| AK0049514 | Solids, total dissolved | 580 | mg/L |
| AK0049514 | Mercury, total recoverable | 0.00475 | ug/L |
| AK0049514 | Mercury, total recoverable | 0.005 | ug/L |
| AK0049514 | Flow | 1.26 | MGD |
| AK0049514 | Flow | 1.26 | MGD |
| AK0049514 | Conductivity | 364 | umho/cm |
| AK0049514 | Conductivity | 364 | umho/cm |
| AK0049514 | Flow | 0.0126 | MGD |
| AK0049514 | Flow | 0.0126 | MGD |
| AK0049514 | pH | 8.01 | SU |
| AK0049514 | pH | 8.01 | SU |
| AK0049514 | Alkalinity, total [as CaCO3] | 110 | mg/L |
| AK0049514 | Alkalinity, total [as CaCO3] | 110 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Solids, total suspended | 4 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 380 | mg/L |
| AK0049514 | Hardness, total [as CaCO3] | 380 | mg/L |
| AK0049514 | Selenium, total recoverable | 4.9 | ug/L |
| AK0049514 | Selenium, total recoverable | 4.9 | ug/L |
| AK0049514 | Zinc, total recoverable | 17 | ug/L |
| AK0049514 | Zinc, total recoverable | 17 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.1 | ug/L |
| AK0049514 | Cadmium, total recoverable | 0.1 | ug/L |
| AK0049514 | Lead, total recoverable | 0.26 | ug/L |
| AK0049514 | Lead, total recoverable | 0.26 | ug/L |
| AK0049514 | Copper, total recoverable | 0.45 | ug/L |
| AK0049514 | Copper, total recoverable | 0.45 | ug/L |
| AK0049514 | Solids, total dissolved | 470 | mg/L |
| AK0049514 | Solids, total dissolved | 470 | mg/L |
| AK0049514 | Mercury, total recoverable | 0.0033 | ug/L |
| AK0049514 | Mercury, total recoverable | 0.0021 | ug/L |
| AK0049514 | Flow | 1.862 | MGD |
| AK0049514 | Flow | 1.862 | MGD |
| AK0049514 | Conductivity | 356 | umho/cm |
| AK0049514 | Conductivity | 356 | umho/cm |
| AK0049514 | Flow | 0.0136 | MGD |
| AK0049514 | Flow | 0.0136 | MGD |