



INSPECTION REPORT: GREENS CREEK MINE

Tongass National Forest Minerals Group
8510 Mendenhall Loop Rd
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Date of Inspection: Thursday, March 28, 2019
Date of Report: Thursday, April 18, 2019
USDA Forest Service Inspector: Richard Dudek

Ranger District: Admiralty National Monument, Juneau Ranger District
Weather Conditions: Cloudy with low fog Temperature: High 30's (°F).

Exploration in accordance with operating plan	Not Applicable
Timber removal following timber sale contract	Not Applicable
BMP for erosion control	Satisfactory
Water Quality BMP	Satisfactory
Public safety & fire prevention	Satisfactory
Reclamation work adequate and timely	Satisfactory
Roads maintenance adequate and current	Satisfactory
Tails placement in accordance with plan	Satisfactory
Waste Rock placement in compliance	Satisfactory
Company supervision of operation	Satisfactory
Operating in a clean and orderly manner	Satisfactory

Any conditions noted as UNSATISFACTORY will require follow up action by the Mine Inspector and a written memorandum to the operator, outlining the necessary work.

NEW REMARKS

Ward Air provided a Cessna 206 floatplane to and from site.

David Landes (Environmental Engineer, (HGCMC)) accompanied Richard Dudek (Geologist, United States Forest Service (USFS)), Shannon Kelly (Mining Engineer, Alaska Department of Natural Resources (ADNR)), and David Khan (Mining Engineer, Alaska Department of Environmental Conservation (ADEC)).

The site inspection included: B-road, 920 area, 860 area, 7.4 mile B-road Bridge (Killer Creek Bridge), SITE E (4.7 B-road), 3.4 mile B-road Bridge (Falls Creek Bridge), 3.0 mile B-road Bridge (Zinc Creek Bridge), and the Tailings Disposal Facility (TDF).

ACTION ITEMS

- **No new action items to report.**

NOTE WORTHY ITEMS

- **For safety, HGCMC plans to use a portable electric fence to protect personnel from wildlife while the new mine switch gear project is completed.**

A/B ACCESS ROADS

At the time of the inspection, the B-road was in adequate condition. During spring maintenance, Surface Operations plan to remove the sediments at the bridge ends that accumulated from plowing during the winter months.





920 AREA

The recorded flow rate for the Greens Creek (Photo) on the day of the inspection was 33.04 cubic feet per second (cfs). The 920-area water withdrawal rate from Greens Creek was approximately 1.5 cfs.

The bridge is being maintained and the splashguards are effective in preventing sediment splash over from vehicular traffic (Photo 1).

The 920 warehouse was tidy and in order. All chemical/petroleum products were stored inside appropriate containers (Photo 2).

7.4-MILE B-ROAD BRIDGE (KILLER CREEK BRIDGE)

The bridge's decking is being adequately maintained by HGCMC Surface Operations (Photo 3). The bridges splashguards are preventing sediment splash over from vehicular traffic.

SITE E

Since February, HGCMC personnel have removed approximately 8,600 cubic yards of waste rock from this site and disposed of it in the TDF (Photo 4).

3.4-MILE B-ROAD BRIDGE (FALLS CREEK BRIDGE)

The bridge's decking is being properly maintained by HGCMC Surface Operations (Photo 5).

3.0-MILE B-ROAD BRIDGE (ZINC CREEK BRIDGE)

HGCMC Surface Operations are maintaining the bridge, and the BMPs at the bridge abutment are mostly covered in snow and ice (Photos 6).

TAILINGS DISPOSAL FACILITY (TDF) AREA

Surface Operations continue to deposit tailings in the S3P1 expansion area (Photo 7).

Pond 7 (Photo 8) was receiving influent water, and Pond 10 (Photo 9) is collecting direct precipitation.

On 3/28/2019 the water treatment plant was treating 1,400 gallons per minute (gpm). Good housekeeping practices were observed inside the water treatment plant (Photo 10).

FOLLOW UP ITEMS

Inspect the 920 area.

Inspect the B-road bridges

3.0 mile B-road Bridge damaged splashguard is fixed.

Conduct a site inspection of the TDF and facilities.

PHOTOS (Images available upon request)





Photo 1. 920 Bridge



Photo 2. A 920 warehouse container with petrochemicals properly stored.



Photo 3. 7.4 mile B-Road Bridge (Killer Creek Bridge).



Photo 4. Waste Site (4.7 Mile B-Road).



Photo 5. 3.4 Mile B-Road Bridge (Falls Creek Bridge).



Photo 6. 3.0 Mile B-road Bridge (Zinc Creek Bridge).



Photo 7. The TDF's S3P1 expansion area.



Photo 8. Pond 7.



Photo 9. Pond 10.



Photo 10. The water treatment plant.

Thanks to HGCMC for a safe visit.

U.S. Forest Service Officer: /s/ Richard Dudek
