



APDES INSPECTION REPORT

Alaska Department of Environmental Conservation

Division of Water

410 Willoughby Ave, Juneau, AK 99811

ADEC APDES Inspection
Form Last updated (4/08)

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Section A: General Data

Inspection Date	Permit #	Borough	Receiving Waters	Weather	Facility Type
January 14, 2010	AKR05CA54, Storm Water Discharges Associated with Industrial Activities	Juneau	Slate Creek	Current Conditions: light rain /snow, upper 30's Days since last rainfall >0.1 inches: 1 day (West Juneau)	Industrial
Discharges to: Surface Water <input checked="" type="checkbox"/> Ground Water <input type="checkbox"/>				ANNOUNCED Inspection	

Section B: Facility Data

Name and Location of Site/ Facility Inspected		Entry Time	Permit Effective Date
Kensington Mine, Lower Slate Lake	Loc: Lat: 58°50'30" N Long: 135°02'45"W Source: NOI/ Google Earth	07:05 AM	9/29/2008
		Exit Time	Permit Expiration Date
		1:30 PM	9/29/2013
On-Site Representative		Additional Participants:	
Clyde Gillespie / Coeur Alaska		Kevin Eppers / Coeur Alaska Jen Stenz / Coeur Construction Chad Hood / USFS Dave Domingus / AIC Brad Hamilton / Knight-Piesold	
Responsible Official(s):		Yes No	
Tom Henderson Coeur Alaska 3031 Clinton Drive, Suite 202 Juneau, AK. 99801 <input type="checkbox"/> Contacted?		Samples Taken?	<input type="checkbox"/> <input checked="" type="checkbox"/>
Phone: (907) 523-3300		Photos Taken?	<input checked="" type="checkbox"/> <input type="checkbox"/>
		Analytical Results?	<input type="checkbox"/> <input checked="" type="checkbox"/>

Section C: Findings/Comments

BACKGROUND

Coeur Alaska is constructing the underground Kensington Gold Mine in Southeast Alaska. Construction of the mine and mill facilities was completed in 2007, with the exception of the tailings storage facility which is termed the "tailings treatment facility" (TTF). Coeur employs approximately 140 workers on site, most of whom are contractors.

REGULATORY STATUS/ COMPLIANCE HISTORY

On June 22, 2009, the United States Supreme Court affirmed Coeur's Section 404 permit for placement of fill into Lower Slate Lake. The mine is expected to enter into production in mid-2010. Permit authorization AKR05CA54 allows the Kensington Mine to discharge storm water associated with industrial activities under the Multi-Sector Permit (MSGP), AKR05000.

FIELD INSPECTION

I arrived at Slate Cove at approximately 7:05 AM. There was approximately 1 ½ feet of wet snow on the ground at the float and parking area. The snow depth slowly increased to approximately 2 feet at camp. Road maintenance consists of plowing to remove fresh snow. The road surface is completely covered with compacted snow and ice. No road surface material was visible or exposed to precipitation.

Chad Hood and Chris Foley met with Clyde Gillespie and Kevin Eppers in camp prior to departing for the Lower Slate Lake project site. One of the subjects discussed was permit document availability. Clyde said that Coeur will make all required permit documents available to agency representatives after receiving a request.

The road from camp to Lower Slate Lake was completely covered with compact snow and ice with no road surfacing material visible or exposed to precipitation.

Coeur is plowing the Pipeline Road so that the tailings line, the reclaimed water line and electrical and fiber optic cable services can be installed. There was an estimated three to four feet of snow in the vicinity of Lower Slate Lake.

Prior to entering the Lower Slate Lake site we stopped at the Alaska Interstate Construction (AIC) job trailer for a safety briefing and a progress report by Dave Domingus. Dave reported that the current elevation of the "A" layer was 669.0 feet. The final design elevation

of the "A" fill will be 690.0 feet. Dave estimated that an additional ten days of work would be required to complete the "A" fill.

Suitable fill material is being placed in two foot lifts and compacted by ten passes with a vibratory roller. The suitable fill was excavated during the foundation excavation phase and stockpiled at the north end of Lower Slate Lake. AIC seals the edge of the most fill layer via the roller before construction stops due to snow. Any snow that accumulates on the fill area is plowed off before fill activities resume.

Jan Stenz (Coeur Construction) said that there is insufficient volume of suitable material remaining in the stockpile and that additional fill material (estimated at 10,000 cy) will be hauled from Pit 4.

AIC was applying shotcrete to the western abutment and prepping the eastern abutment for shotcrete. Shotcrete is being applied for two reasons. The first being that the exposed bedrock does not meet the hardness requirement. The second reason is to seal the rock face to reduce geochemistry issues, i.e., ARD generation.

The water treatment plant was producing approximately 19.5 gallons per minute of treated wastewater at the time of the inspection. Treated water was being disposed of by authorized land application.

SAMPLING ACTIVITIES

None

RECORDS REVIEW

None

SUMMARY

Based upon the activities inspected, Coeur Alaska appears to be in compliance with the terms of the MSGP. This finding cannot be extrapolated to other areas or activities that were not subject to this inspection.

Section D: Compliance/Recommendations

ADMINISTRATIVE VIOLATIONS

None

POTENTIAL WATER QUALITY VIOLATIONS

None

Section E: Appendices

None

 2/9/2010 Date	Signature only acknowledges receipt of this report. Inspection report given to: Date
Inspector Division of Water/Water Quality Compliance	Company (if applicable): Date

PHOTO ADDENDUM – KENSINGTON MINE, LOWER SLATE LAKE



DESCRIPTION: "A" LAYER CONSTRUCTION. ABOVE LOWER SLATE LAKE OUTFALL LOOKING SOUTHEAST TOWARDS DAM.



DESCRIPTION: DOZER SPREADING SUITABLE FILL AND VIBRATORY ROLLER COMPACTING FILL. FROM WTP LOOKING NORTH.



DESCRIPTION: WESTERN ABUTMENT PREPARED FOR SHOTCRETE. FROM SOUTHWESTERN CORNER OF DAM.



DESCRIPTION: SHOTCRETE APPLICATION TO WESTERN ABUTMENT.