JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

MICHAEL R. STYLER
Executive Director
JOHN R. BAZA
Division Director

Supervisor

Inspection Report

Minerals Regulatory Program

Report Date: November 9, 2006

Mine Name: Bingham Canyon Mine
Operator Name: Kennecott Utah Copper
Rohan McGowan-Jackson
8315 West 3595 South
P.O. Box 6001
Magna, Utah 84044-6001
Inspector(s): Doug Jensen, Beth Erickson
Other Participants: Bonneville Concentrator:
Kelly Pane, Greg Rollins – KUC, Doug Bacon – DEQ, Paul Polina, OSC
Bingham Canyon Mine
Vicky Peacey, Ed Parks - KUC
Mine Status: Active Concentrator – Inactive (being reclaimed)

Permit number: M/035/002
Inspection Date: November 7, 2006
Time: 8:30 am

Elements of Inspection	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	☐	☐	☐
2. Public Safety (shafts, adits, trash, signs, highwalls)	☐	☐	☐
3. Protection of Drainages / Erosion Control	☐	☐	☐
4. Deleterious Material	☐	☐	☐
5. Roads (maintenance, surfacing, dust control, safety)	☐	☐	☐
6. Concurrent Reclamation	☐	☐	☐
7. Backfilling/Grading (trenches, pits, roads,	☒	☒	☐
8. Soils	☐	☐	☐
9. Revegetation	☐	☐	☐
10. Other	☐	☐	☐

Purpose of Inspection:

Inspected the Bonneville concentrator area to monitor the final reclamation of the site. Visited the mine to check the on-going recontouring work being done on the Bingham Canyon and Queen dumps.

Inspection Summary:

Bonneville Concentrator

We inspected the site to check on the ongoing reclamation work at the site. Since my visit on October 26, 2006 all the buildings on the site have been demolished.

7. Backfilling/Grading:

The Symons building has been demolished and the area where the building was located is presently in the process of being backfilled and resloped. The area will be finished with an undulating surface to preclude any runoff from this area. The Department of Environmental Quality is overseeing the backfill operations to assure that no contaminated or Potential ARD material is placed in the backfill. Doug Bacon of DEQ was onsite to check on the material being placed in the backfill. Before and after photos of the Symons building demolition are included in this report.

The car dumper building (visible in the background of the Symons building before photo) has been demolished and the 120-foot deep sump beneath the building has been backfilled with dirt and broken cement. The car dumper (photo enclosed) is still on site; it will be cut up for scrap.

The area north of the concentrator building has been backfilled and resloped. The building has been demolished and the contractor is in the process of breaking up the concrete footings. The broken concrete

will be deposited on the floor of the demolished building and when this is completed the area will be backfilled with dirt and buried. The tour of this area completed our inspection of this area.

We completed our tour of this area at ~11:00 and left to meet with Vicky Peacey & Ed Parks at the mine for a tour of that area..

Bingham Canyon Mine

7. Backfilling/Grading:

An overview of the regrading effort of the 5990 level of the Bingham Canyon waste dump was the first area reviewed. The dump will ultimately be built to an elevation of 6190 feet. This level of the dump has been completed and will be regraded for the final slope of 2.75:1. At the time of our tour KUC was finishing an area on the face of the dump where two 24" and one 12" HDPE lines will be laid (refer to photo). These lines will be used for process and culinary water.

An improvement has been suggested for the final resloping of the dump. There is an area of oxidized dump material south of the proposed finished dump slope(see photo). The KUC would like to move this material into the area of the dump regrade and cover it with dump material. After the regrading is completed this additional area will be have soil placed over it and seeded in conjunction with the work on the Bingham Canyon dump. This change will do a lot towards softening the visual impact in this area. Because of the length of the slope of this dump face, this resloping work will require at least several more months to complete, depending on equipment availability.

The next area we visited was the Queen Dump. This resloping of this dump has been an on-going activity for the last year. Because there has not been a dedicated dozer to complete reclamation work, the work at the site has been sporadic. The resloping effort on the dump had not progressed much since my last visit. The reclamation group has been allowed to lease a dozer for several months, so hopefully more work will be completed on this area this season.

Conclusions and Recommendations:

KUC is presently working to reslope two waste dump areas and reclaim the area of the Bonneville Concentrator. I need to visit the site more often to track progress of these reclamation efforts.

Inspector's Signature Doug Jensen **Date:** 11/9/06

dj:pb

O:\M035-SaltLake\M0350002-BinghamPit\inspections\11072006insp.doc

BONNEVILLE CONCENTRATOR

BACKFILLED SYMONS BUILDING AREA AFTER DEMOLITION

1107A.JPG

BONNEVILLE CONCENTRATOR

SYMONS BUILDING (BEFORE DEMOLITION)

Inspections 009.jpg 2006/11/07 11:49:16

BONNEVILLE CONCENTRATOR CAR DUMPER & BUILDING FLOOR

PROPOSED
ADDITIONAL DUMP AREA TO BE RESLOPED

BINGHAM CANYON DUMP - 5990 LEVEL RESLOPING
DOZER WORKING ON PIPE RUN