

Atlantic Richfield Company

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September 3, 2008

CERTIFIED – RETURN RECEIPT REQUESTED

Ms. Nadia Hollan Burke
Remedial Project Manager
U.S. Environmental Protection Agency Region 9
75 Hawthorne Street, SFD-8-2
San Francisco, CA 94105

**Subject: August 2008 Monthly Report, Yerington Mine Site, Lyon County, Nevada:
Administrative Order for Remedial Investigation and Feasibility Study, EPA Docket
No. 9-2007-0005**

Dear Ms. Hollan Burke:

Pursuant to the above referenced order issued by the U.S. Environmental Protection Agency – Region 9 (EPA), please note the following monthly status report for Atlantic Richfield Company (ARC) activities at the Yerington Mine Site (Site) during August 2008.

August 2008 Activities

Operations, Maintenance and Site Security

- Continued routine site O&M and security activities.
- Pumpback well system (PWS) averaged approximately 57.6 gpm. All 11 wells operated 24/7 with minor downtime for preventive maintenance (PW-4, PW-5, PW-7, and PW-10). PWS evaporation pond levels: north cell = 1.29 feet; middle cell = <0.1 feet; south cell = 0.29 feet.
- Arimetco heap leach fluid management system (FMS): 1) Total estimated gallons transferred from VLT Pond to Evaporation Pond = 69,000 gallons; SSP to Evaporation Pond = 168,000 gallons; Raff sump to Phase 1 Pond = 0; Phase 1 Pond to Evaporation Pond = 0 gallons; 2) Pond levels: Evaporation Pond = 4.5 feet; VLT Pond = 3.5 feet; Slot 1 Pond = dry; Slot 2 Pond = 13.75 feet; Phase I Pond = trace; Plant Feed Pond = Dry; and Mega Pond = Dry.

Other Site Activities

- Quatterra inspection of borehole core stored on site August 8.
- Nadia Hollan Burke, David Seter and Mary Aycock (EPA) site visit August 19.
- Roy Thun, Ron Halsey, Jim Lucari and John Batchelder site visit on August 19.
- Joe Sawyer (NDEP) and Craig Smith (BLM) led NDEP/BLM site tour Aug 20.
- ARC issued letters via certified mail to qualified domestic well owners in residences north of the Site to verify their receipt of, or interest in, the bottled water program on August 12 and 13.
- Nine new residents/domestic well owners north of the Site were added to the bottled water program based on recent domestic well sampling results.

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August 2008 Activities - Continued

Site Characterization

- Conducted Site-wide monthly groundwater elevation measurements August 22-23 (wells located on Peri's fields were not measured until August 26 because of insecticide use the previous week).
- Pit lake pressure transducer was inspected by the manufacturer, and will be shipped back for field testing in early September.
- Three domestic wells were sampled (DW-122, -136 and -138) at the request of homeowners to determine if they qualify for the bottled water program (DW-122 was a re-sample).
- Continued meteorological monitoring at AM-6.
- Received EPA comments on the draft Background Soils Data Summary Report (DSR) dated March 27, 2008, and initiated the preparation of responses to EPA comments and associated modifications to the DSR.
- Submitted the Mitigation Plan for Deterring Birds from the Lined Evaporation and Pumpback Ponds on August 15, 2008.
- Received, and initiated review of, two EPA reports: 1) Public Review Draft Remedial Investigation Report Arimetco Facilities Operable Unit 8, Anaconda Copper Yerington Mine; and 2) Anaconda Mine Radiation Assessment Letter Report dated August 15, 2008.
- Submitted responses to EPA comments on the Quality Assurance Project Plan (QAPP), and the revised QAPP, to EPA on August 18, 2008.
- Submitted the draft Anaconda Evaporation Ponds Removal Action Characterization Work Plan to EPA on August 22, 2008.
- Submitted the draft Technical Assistance Plan (TAP) to EPA on August 22, 2008.
- Submitted responses to EPA comments on the Conceptual Site Model (CSM), and the revised CSM, to EPA on August 29, 2008.
- Continued compilation and analysis of Second-Step Hydrologic Framework Assessment (HFA) data for inclusion in the Data Summary Report (DSR) to be submitted mid-October 2008.
- Continued wildlife surveys on the Site.

Planned September-October 2008 Activities

- Continue routine O&M and site security activities.
- Continue meteorological monitoring at AM-6.
- Perform 3Q 2008 Site-wide groundwater monitoring activities in September.
- Submit 2Q 2008 Site-wide Groundwater monitoring in late September/early October 2008.
- Receive, and respond to, EPA comments on the draft Anaconda Evaporation Ponds Removal Action Characterization Work Plan and, pending EPA approval, implement the Work Plan.
- Continue preparation of the Second Step HFA DSR for mid-October submittal.
- Submit comments on the EPA reports: 1) Public Review Draft Remedial Investigation Report Arimetco Facilities Operable Unit 8, Anaconda Copper Yerington Mine; and 2) Anaconda Mine Radiation Assessment Letter Report dated August 15, 2008.
- As received, respond to EPA comments on previous submittals required under the Order and attached SOW (e.g., Draft Groundwater RI, Process Areas RI and Draft Pit Lake RI Work Plans, Draft Site-Wide Groundwater Monitoring Plan).

If you have any questions or comments, please feel free to contact me at (661) 287-3855 or via e-mail at Roy.Thun@bp.com.

Sincerely,



Roy Thun
Environmental Business Manager

cc: Dave Seter, EPA – via electronic mail
Mike Montgomery, EPA – via electronic mail
Sheryl Bilbrey, EPA – via electronic mail
Andrew Helmlinger, EPA – via electronic mail
Tom Dunkelman – via electronic mail
Joe Sawyer, NDEP – via electronic mail
Tom Olsen, BLM – via electronic mail
Dan Newell, City of Yerington Manager – via electronic mail
Phyllis Hunewill, Lyon County Commissioner – via electronic mail
Dennis Stark, Lyon County Manager – via electronic mail
Chris Winsor, Atlantic Richfield Company - via electronic mail
James Lucari, Atlantic Richfield Company – via electronic mail
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