

Atlantic Richfield Company

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January 4, 2007

CERTIFIED – RETURN RECEIPT REQUESTED

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

**Subject: December 2007 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 and Mr. Seter:

Pursuant to the above referenced order issued by the U.S. Environmental Protection Agency (EPA), please note the following monthly status report for Atlantic Richfield Company (ARC) activities at the Yerington Mine Site during December 2007.

Operations, Maintenance and Site Security

- Continued site O&M and security activities pursuant to the O&M and Site Security Work Plans.
- Pumpback well system averaged approximately 48.3 gpm; all 11 wells operated 24/7 with minor downtime for preventive maintenance (wells PW-1, PW-2, PW-4, PW-5 and PW-10).
- Arimetco heap leach fluid management system (FMS) operations: 1) Total estimated gallons transferred from VLT Pond to Evaporation Pond = 153,000 gal. SSP to VLT Pond = 0 gal; SSP to Evaporation Pond = 0 gal; Plant Feed to Evaporation Pond = 0 gal; Raff sump to Phase 1 Pond = 3,600 gal. 2) Pond levels: Evaporation Pond = 4.5 ft; VLT Pond = 4.5 ft; Slot 2 Pond = 10.75 ft; Phase I Pond = < 1ft. Plant Feed and Mega ponds are dry.
- VLT pond backup 12 Hp pump online and primary 25Hp pump offline for seals replacement.

Other Site Activities

- Stan Weimeyer (USFWS) conducted bird counts December 5 and 14.
- Gustavson Associates personnel inspection of Arimetco Plant December 18 and 19.
- Chambers Group and Golder Associates personnel site tour December 19 and 20.
- Joe Sawyer (NDEP) conducted tour and monthly site inspection December 20.
- Attended Stakeholder's Meeting on December 4.

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Site Characterization

- Completed site-wide monthly groundwater elevation measurements on December 18-21.
- Continued monitoring pit lake levels – the level has risen 0.67 feet since September 30 to an elevation of 4,213.0 feet amsl.
- Conducted meteorological monitoring and continuous PM10 monitoring at AM-1, AM-3 and AM-6.
- Continued drafting the 3Q 2007 Air Quality Monitoring Report, and initiated responses to EPA comments on the 2Q AQM Report.
- Submitted the draft Pit Lake RI Work Plan including the OU-specific HHRA Work Plan, the Ecological Investigations Work Plan and the Screening Level Ecologic Risk Assessment Work Plan on December 6.
- Continued preparation of the draft Data Summary Report for the Background Soils Work Plan, including statistical analysis of the data sets for metals and radiochemicals.
- Continued the 2nd Step HFA drilling, zonal sampling and well installation program including the completion of monitor wells 18D, 25D, 29I-1 and 29I-2. A second sonic core rig was mobilized to the Yerington Site at the beginning of December for the purpose of constructing shallow- and intermediate-depth monitor wells at B/W locations previously subjected to zonal sampling and deep monitor well construction.
- Continued evaluation of HFA data including zonal sample and groundwater elevation data and hydrologic tracer data, and preparation of borehole/well construction logs.
- Continued processing camera trap data, and continued a statistical analysis of data to understand wildlife use of the area around the evaporation and pumpback ponds, and sewage treatment ponds.

Planned January 2008 Activities

- Continue routine O&M and site security activities.
- Prepare annual O&M report for 2007.
- Continue pit lake elevation measurements.
- Conduct January groundwater elevations measurements.
- Continue preparation of the Background Soils Data Summary Report.
- Continue the 2nd Step HFA program.
- Continue revised AQM program.
- Continue the wildlife observation program on the Site, including photo-documentation in the area of the evaporation ponds and sewage treatment ponds at the northern portion of the site. Continue preparation of the Wildlife Field Summary Report.

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



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cc: Mike Montgomery, EPA – via electronic mail
Sheryl Bilbrey, EPA – 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
Chris Winsor, Atlantic Richfield Company - via electronic mail
Todd Normane, Atlantic Richfield Company – via electronic mail
John Batchelder, Atlantic Richfield Company – via electronic mail
Jim Chatham, Atlantic Richfield Company – via electronic mail
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Rich Curley, Holland & Hart – via electronic mail
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