

# Atlantic Richfield Company

**Roy I. Thun**  
Environmental Business Manager

4 Centerpointe Drive  
LaPalma, CA. 90623-1066  
Office: (661) 287-3855  
Fax: (661) 222-7349  
E-mail: Roy.Thun@bp.com

February 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: January 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 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 January 2008.

### Operations, Maintenance and Site Security

- Continued routine site O&M and security activities.
- Pumpback well system averaged approximately 48 gpm; all 11 wells operated 24/7 with minor downtime for preventive maintenance (wells PW-4 and PW-11; north pipeline cleaned).
- Arimetco heap leach fluid management system (FMS) operations: 1) Total estimated gallons transferred from VLT Pond to Evaporation Pond = 129,000 gal. SSP to Evaporation Pond = 0 gal; Raff sump to Phase 1 Pond = 0; Phase 1 Pond to Evaporation Pond = 0 gal. 2) Pond levels: Evaporation Pond = 5 ft; VLT Pond = 8.5 ft; Slot 2 Pond = 12 ft; Phase I Pond = < 1ft. Plant Feed and Mega ponds were dry.
- VLT pond primary 25Hp transfer pump repaired; VLT pond MCC electrical service line repaired.

### Other Site Activities

- None

### Site Issues

- None



### Site Characterization

- Completed site-wide monthly groundwater elevation measurements on January 28-29.
- Conducted meteorological monitoring and continuous PM10 monitoring at AM-1, AM-3 and AM-6. Initiated work on the 4Q 2007 Air Quality Monitoring Report.
- 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.
- Preliminary analysis of the available EPA radiological survey data.
- Continued the 2<sup>nd</sup> Step HFA drilling, zonal sampling and well installation program for locations B/W-25 and -27, and constructed monitor well B/W-25D at the first locations. In addition, the second drill rig constructed the following monitor wells: B/W-29S, -19 S&I, -28 S&I, -4S&I, -10S&I, -6S and -25S. Coordinated with EPA regarding the design of shallow and intermediate monitor wells. A well development rig was mobilized to the Site on January 17, specifically for the purpose of developing previously constructed monitor wells in anticipation of the 1Q 2008 monitoring event. Development for monitor wells was completed for B/W-11S, -23D, 29D, -1S, -11I, -9S&I, and -5S, and for piezometers WRP-1 and -2.
- Continued evaluation of HFA data including zonal sample and groundwater elevation data and hydrologic tracer data, and preparation of borehole/well construction logs.
- Developed field sampling schedules for ecological field sampling as proposed in the Draft Pit Lake and Process Areas SLERA Work Plans.
- Continued compilation of the wildlife data report.

### Planned February-March 2008 Activities

- Continue routine O&M and site security activities, and prepare annual O&M report for 2007 for submittal to EPA by March 31.
- Continue the revised AQM program through the end of February, pending further communications with EPA on the appropriate termination date of the program.
- Continue pit lake and groundwater elevation measurements.
- Continue preparation of the 2007 Annual Groundwater Monitoring Report, and submit to EPA by March 31. Conduct the 1Q 2007 site-wide groundwater monitoring event in mid-March.
- Continue the 2<sup>nd</sup> Step HFA program through the end of March. Initiate preparation of the Second-Step HFA Data Summary Report.
- Continue preparation of the Draft Background Soils Data Summary Report, and submit to EPA by March 31.
- Continue preparation of the Draft Wildlife Field Summary Report, and submit to EPA by March 31.
- Prepare responses to EPA comments on the QAPP (Revision 2), revise the QAPP accordingly, and submit the revised QAPP and associated responses to comments to EPA.
- 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).



Ms. Nadia Hollan Burke and Mr. Dave Seter  
Yerington Monthly Update  
February 4, 2008  
Page 3 of 3

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](mailto:Roy.Thun@bp.com).

Sincerely,



Roy Thun  
Environmental Business Manager

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  
Dennis Stark, Lyon County Manager – via electronic mail  
Chris Winsor, Atlantic Richfield Company - via electronic mail  
James Lucari, Atlantic Richfield Company – via electronic mail  
John Batchelder, Atlantic Richfield Company – via electronic mail  
Jim Chatham, Atlantic Richfield Company – via electronic mail  
Rich Curley, Holland & Hart – via electronic mail  
Chuck Zimmerman, Brown and Caldwell  
Ed Schneider, Norwest Applied Hydrology – via electronic mail  
Lyon County Library System Central

