

# Atlantic Richfield Company

**Roy I. Thun**  
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## **CERTIFIED – RETURN RECEIPT REQUESTED**

Mr. Jim Sickles  
Project Manager  
U.S. Environmental Protection Agency Region 9  
75 Hawthorne Street, SFD-8-2  
San Francisco, CA 94105

**Subject: October 2006 Monthly Report, Yerington Mine Site, Lyon County, Nevada:  
Unilateral Administrative Order for Initial Response Activities, EPA Docket No. 9-  
2005-0011**

Dear Mr. Sickles:

Pursuant to the above referenced order, please note the following monthly status report for Atlantic Richfield Company activities at the Yerington Mine Site during October 2006.

### Operations, Maintenance and Site Security

- Pumpback well system averaged approximately 62.5 gpm; all 11 wells operated 24/7 with minor downtime for preventative maintenance (wells PW-4, PW-5, PW-6, PW-7, and PW-10).
- Arimetco heap leach fluid management system (FMS) pumping continued. Total estimated gallons transferred to VLT Pond = 69,300 gal. Slot ditch to SSP = 14,400 gal; SSP to VLT Pond = 36,000 gal; SSP to Plant Feed Pond = 138,000; Plant Feed to new Evaporation Pond = 36,000 gal; Mega Pond to VLT = 33,300 gal. New evaporation pond and reconditioned Slot 2 pond operational week of October 23.
- Site Security Fencing Plan Implementation: Existing security fence reconditioning work started October 2; completed 19 of 21 existing fence segments planned for reconditioning. Non-climb security fence work started October 26; approximately one mile of new fence line layout work and installation of 70 brace posts completed. Final private property access/consent agreement for fencing work received October 27.
- Security Fence Breach: Opening cut through fence at two locations on west side (BLM/Tibbals property line) found October 25 and repaired.

### Groundwater Monitoring

- Third quarter site-wide groundwater sample analysis results in QA/QC review process. Laboratory report for one domestic well sampled in September for uranium analysis electronically forwarded to EPA October 24.
- Site-wide monthly groundwater elevation measurements completed October 31.

A BP affiliated company



Site Characterization

- Based on EPA comments, prepared revisions to the draft Work Plan for the characterization and removal of materials (selected pieces of transite pipe) with radiometric readings elevated above background from the “radiological control area” in the Process Areas.
- Developed three-dimensional model of groundwater data, presented to the Yerington Technical Work Group (YTWG) on October 25.
- Continued to work with BLM to gain access to BLM lands for background soils sample collection.

Other Site Activities

- Jim Sickles/Keith Olinger (EPA) and Juliana Harris (CH2M Hill) preparation for moving records October 9-10. Juliana Harris (CH2M Hill) and Ilka Dinkelman records preparation October 20.
- Kevin Kritz (USFWS) site migratory bird count October 25.
- EPA tour October 26, Jim Sickles, Glenn Bruch, Steve Acree, Randall Ross, and Tom Shuff (Tetra Tech).
- EPA/EQM completed FMS pond improvement work

**Planned November 2006 Activities**

- Implement Background Soils Work Plan and RCA Work Plan
- Discuss Hydrogeologic Framework Assessment and Evaporation Pond Interim Action activities with EPA and YTWG participants
- Continue O&M, site security activities.
- Continue security fence installation activities.

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

Sincerely,

  
Roy Thun  
Environmental Business Manager

cc: Joe Sawyer, NDEP – Via electronic mail  
Pat Plumb, BLM – Via electronic mail  
Dan Newell, City of Yerington – Via electronic mail  
Chris Winsor, Atlantic Richfield Company - Via electronic mail  
Todd Normane, Atlantic Richfield Company – Via electronic mail  
Chuck Zimmerman, Brown and Caldwell  
Ed Schneider, Norwest Applied Hydrology – Via electronic mail  
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