

December 2007 Update

UP & L/American Barrel Superfund Site

Salt Lake City, Utah

(Five-Year Review Date: 9/27/06)

*H*ighlights Since the 2006 Five-Year Review

- Quarterly O&M monitoring report continues and is current.

Brief Site History: The four-acre Utah Power & Light/American Barrel Superfund Site was used as a barrel storage yard. Empty barrels on the site at one time contained residues of various volatile organic compounds (VOCs), degreasers and solvents.

Subsurface soils on the site contain polycyclic aromatic hydrocarbons (PAHs), VOCs and cyanide from wood-treatment and coal-gasification operations. Surface soils also contain lead from metalliferous slag fill brought to the site, pesticide residues from the barrels, and PAH from coal debris. Groundwater contains VOCs, including benzene, styrene, toluene, xylene and cyanide. Potential health risks may exist for anyone exposed to contaminated soil and/or ground water over a long period of time. The site was proposed for the Superfund National Priorities List in May 1989 and finalized on the list in October 1989.

Cleanup Activities Completed: Construction completion for the site was achieved in 1996. The following cleanup activities have been completed by the Potentially Responsible Party (Utah Power & Light):

- Removal of 50,000 empty barrels to a federally approved facility in 1988.
- Excavation and removal of 20,000 tons of soil offsite for processing into asphalt.
- Removal of 1,388 tons of miscellaneous nonhazardous debris to a commercial landfill.
- Construction of a soil vapor and groundwater extraction system in 1996.

Current Status: Current Operation and Maintenance activities include operation of the soil vapor and groundwater extraction system and groundwater monitoring.

Summary of Protectiveness: The remedy at the Site is expected to be protective of human health and the environment upon completion. In the interim, exposure pathways that could result in unacceptable risks are being controlled. The Air Sparging (AS), Soil Vapor Extraction (SVE) and depression well systems are operating

as designed. Stringent institutional controls are in place to restrict use of the contaminated groundwater and the residents and businesses in the area are connected to the municipal water system. Present contaminant levels in groundwater are consistent with expectations at the time of the Record of Decision.

Issues Impacting Protectiveness: A few issues that do not immediately impact the protectiveness of the remedy were identified. The following table summarizes the status of the follow-up actions addressing these issues.

**UP&L /American Barrel Superfund Site
Five-Year Review Update Table
(Review Date: 9/27/06)**

Issues	Recommendations/ Follow-Up Actions	Follow-Up Actions (Status/Due Date)	Status of Follow-Up Actions 12/07	Responsible Party
1) Study on the effectiveness of Air Sparging	PacifiCorp will need to conduct a comprehensive study on the effectiveness of the conversion from SVE with depression well system to AS system around Vaults 2 and 3.	1 st quarter of 2007	Study completed January 31, 2007	Potentially Responsible Party (PRP)
2) Updated evaluation of Dense Nonaqueous Phase Liquid (DNAPL)	PacifiCorp will need to conduct an updated evaluation on the feasibility of cleaning up the DNAPL.	1 st quarter of 2007	Evaluation completed January 31, 2007	PRP
3) Report on current groundwater conditions and future plans.	PacifiCorp will need to develop a comprehensive report to determine: 1) if the organic plume has actually reached asymptotic conditions (where no further improvement in the groundwater is expected); 2) if it would be protective to human health to transition from active remediation to passive remediation; and, 3) if there are feasible remedial alternatives to active remediation outside of passive remediation.	1 st quarter of 2007	Report submitted January 31, 2007	PRP