



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105

September 7, 2011

Claire Holtzapple
U.S. Department of Energy
Livermore Environmental Programs Division
Lawrence Livermore National Laboratory
P.O. Box 808, L-574
Livermore, California 94551

Re: U.S. EPA Concurrence with Five-Year Review Report for OU7
Lawrence Livermore National Laboratory Site 300

Dear Ms. Holtzapple:

The U.S. Environmental Protection Agency (EPA) has reviewed the Five-Year Review Report for OU7, Building 832 Canyon, at the Lawrence Livermore National Laboratory (LLNL) Site 300. Based upon this review, EPA agrees with the overall findings, conclusions and recommendations in the report. The remedy is protective of human health and the environment for the site's industrial land use. While the long-term remedial action is operating, the remedy is protective of human health because exposure pathways that could result in unacceptable risk to onsite workers are being controlled by the implementation of institutional controls, the LLNL Site 300 Health and Safety Plan, and the LLNL Site 300 Contingency Plan.

The cleanup standards for groundwater are drinking water Maximum Contaminant Levels (MCLs). For contaminants in subsurface soil, the cleanup standards are based on reduction of concentrations to mitigate risk to onsite workers and prevent further impacts to groundwater to the extent technically and economically feasible. Because some contaminants may remain in subsurface soil following the achievement of these cleanup standards, the Record of Decision includes a land use control prohibiting the transfer of lands with unmitigated contamination that could cause potential harm under residential or unrestricted land use. This prohibition will remain in place until and unless a risk assessment is performed in accordance with current EPA risk assessment guidance and is agreed to by the Department of Energy, EPA, and the State agencies as adequately showing no unacceptable risk for residential or unrestricted land use.

This Five-Year Review identifies additional recommendations and actions which will be implemented as part of the routine administrative or programmatic processes that are already in place to optimize the operation of the remedy. These issues do not affect protectiveness and are not included within the scope of this concurrence letter.

We appreciate the opportunity to work with you on this project and look forward to continued success at LLNL Site 300. If you have any questions regarding this letter, please feel free to contact Kathy Setian at (415) 972-3180.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael M. Montgomery", with a long horizontal flourish extending to the right.

Michael M. Montgomery
Assistant Director, Superfund Division
Federal Facilities and Site Cleanup Branch

cc by EMail: Leslie Ferry, LLNL
Jacinto Soto, DTSC
Marcus Pierce, CVRWQCB