



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 9
75 Hawthorne Street
San Francisco, California 94105

OCT 25 2018

Jeffrey Murl
Presidential Management Fellow
Office of Legacy Management
U.S. Department of Energy
11035 Dover Street, Suite 600
Westminster, Colorado 80021

Subject: **EPA Concurrence With 2016 Five-Year Review Report Addendum,
Laboratory for Energy-Related Health Research Federal Facility, University
of California, Davis, July 2018**

Dear Mr. Murl:

The U.S. Environmental Protection Agency, Region 9, has reviewed the Addendum to Laboratory for Energy-Related Health Research (LEHR) Federal Facility, University of California at Davis, Five-Year Review Report, dated September 15, 2016 and concurs with its findings.

The Department of Energy (DOE) was unable to make a protectiveness determination in the 2016 Five-Year Review Report without further data collection and evaluation of soil gas data within the DOE Areas to assess the potential for vapor intrusion.

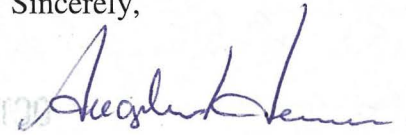
In 2017, DOE collected 43 passive soil gas samples from varying depths to assess soil gas concentrations trends with varying depth. Exceedances of screening levels in the passive sampling results were few (3 out of the 43) and locations immediately adjacent to the exceedances had either no detectable or trace levels of the compound exceeded. Based on the results of the passive sampling and historical soil sampling results, DOE installed soil gas wells. Samples were collected from these wells in 2017 and 2018. Using the active soil gas data to evaluate human-health risk from vapor intrusion, the calculated risk for both a theoretical residence and indoor worker are within or below EPA's risk range.

Based on completion of the DOE vapor intrusion evaluation conducted since the Five-Year Review Report, EPA agrees that the remedy is protective. EPA's Protectiveness Statement is:

The remedy at the DOE Areas of LEHR is protective of human health and the environment. Land-use restrictions are in place to prevent exposure to contaminated soil. There is no exposure to groundwater.

Please contact me at Herrera.angeles@epa.gov or the EPA Project Manager at Hadlock.holly@epa.gov if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Angeles Herrera", with a stylized flourish at the end.

Angeles Herrera
Assistant Direct, Superfund Division
Federal Facilities and Site Cleanup Branch

Cc: John Bystra, DTSC