

U.S. Department of Energy
Finding of No Significant Impact
for the Proposed Action to Construct and Operate a Water
Disinfection Facility at Lawrence Livermore National Laboratory

AGENCY: U.S. Department of Energy (DOE) National Nuclear Security Administration (NNSA)

ACTION: Finding of No Significant Impact (FONSI)

SUMMARY: The U.S. DOE NNSA has completed an Environmental Assessment (EA) for the Proposed Action to construct and operate a water disinfection facility at the Lawrence Livermore National Laboratory (LLNL) operated tanks located at Sandia National Laboratory - California (SNL-CA). The EA is attached to this FONSI. A complete summary of the EA is found on pages i-ii of the EA.

DOE NNSA considered three alternative actions in addition to the “no action” alternative: implementing alternate water treatment strategies, increasing the onsite quantity and concentration of water treatment chemicals, or reducing the onsite quantity and concentration of water treatment chemicals. DOE NNSA determined that the selected alternative best supports the DOE NNSA mission needs.

DOE NNSA considered land use and aesthetic resources, prehistoric and cultural resources, socioeconomics, environmental justice, community services, noise, and utilities and energy and traffic and transportation, and dismissed them from further discussion in the EA for the reasons provided in Section 4.1 of the EA.

DOE NNSA proposes to improve the quality of water at the LLNL and SNL-CA sites through the implementation of an onsite chloramine disinfection system located at the SNL-CA tanks operated by LLNL. The Proposed Action would be subject to permitting by the California State Water Resources Control Board (CSWRCB), Division of Drinking Water (DDW), and would require the application and acquisition of the appropriate CSWRCB-DDW permit and associated California Environmental Quality Act review.

DOE NNSA analyzed the Proposed Action for impacts on the human environment in the areas of geology and soils, ecological resources, air quality, water resources, materials and waste management, human health and safety, accidents and intentional destructive acts, climate change, and cumulative impacts in Section 4.0 of the EA, Potential Impacts of the Proposed Action and Alternatives.

DETERMINATION: Based on the analysis in the EA, DOE NNSA determined that the Proposed Action does not constitute a major Federal action significantly affecting the quality of the human environment within the meaning of the National Environmental Policy Act (NEPA) of 1962 42 U.S.C. §4321 et. seq. Therefore, preparation of an Environmental Impact Statement is not required and DOE NNSA is issuing this FONSI and EA.

PUBLIC AVAILABILITY: Copies of this FONSI and EA are available online:
www.energy.gov/node/3460907

Or by request via mail to:

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