Supplement Analysis
of the
2005 Final Site-Wide Environmental Impact Statement
for Continued Operation of
Lawrence Livermore National Laboratory

DETERMINATION

The Department of Energy (DOE), National Nuclear Security Administration, Livermore Site Office has prepared a Supplement Analysis to determine if the 2005 Site-Wide Environmental Impact Statement for Continued Operation of the Lawrence Livermore National Laboratory adequately addresses the environmental effects of ongoing operations and new and modified plans, projects, and operations for the 2010-2015 period at Lawrence Livermore National Laboratory, or if additional documentation is needed under the National Environmental Policy Act (NEPA). The Supplement Analysis was prepared in accordance with the Council on Environmental Quality Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act (Code of Federal Regulations, Title 40, Parts 1500–1508 [40 CFR Parts 1500–1508]), and DOE's regulation for implementing the National Environmental Policy Act (10 CFR Part 1021).

The Supplement Analysis considered changes in programs, projects, and operations since the 2005 Site-Wide Environmental Impact Statement, new and modified plans, projects, and operations for the 2010-2015 period, and new information that was not available when the 2005 Site-Wide Environmental Impact Statement was prepared. The Supplement Analysis compared the projected environmental impacts of ongoing operations and new and modified projects, and modifications in site operations for the 2010-2015 period with the environmental impacts analyzed in the 2005 Site-Wide Environmental Impact Statement for socioeconomics and environmental justice, community services, cultural resources, soils and geology, noise, site contamination and remediation, traffic and transportation, land use, aesthetics, biological and wetlands, air quality, water, utilities and energy, materials and waste management, human health and safety, and accident analysis. The Supplement Analysis included consideration of any new circumstances or information relevant to environmental concerns.

For most environmental resources, the projected environmental impacts for ongoing operations and new and modified projects, and modifications in site operations for the 2010-2015 period remain consistent with the impacts analyzed in the 2005 Site-Wide Environmental Impact Statement. For the few instances where the 2010-2015 projections differ from the 2005 Site-Wide Environmental Impact Statement analysis, the changes in environmental impact are not significant.

The Department of Energy, National Nuclear Security Administration, Livermore Site Office issued and distributed the Draft Supplement Analysis for public review and comment and held two public informational meetings in Livermore, CA on April 14, 2011. Volume II of the

Supplement Analysis is the Comment Response Document and includes all of the comment documents received from the public and responses to those comments by the Department of Energy, National Nuclear Security Administration, Livermore Site Office.

Based on the results of the Supplement Analysis, and with the recommendation of the Site Office Counsel and NEPA Compliance Officer, I have determined that the ongoing operations and new and modified projects and modifications in site operations at Lawrence Livermore National Laboratory do not constitute a substantial change in the actions previously analyzed, and there are no significant new circumstances or information relevant to environmental concerns. Therefore, as Head of Field Organization (as authorized under DOE Order 451.1B) and pursuant to DOE's NEPA Implementing Procedures (10CFR 1021.314(c)), I have determined that no further NEPA documentation is required.

Alice C. Williams

Alice C. Williams
Manager, Livermore Site Office

August 4, 2011
Date