**ENVIRONMENTAL MANAGEMENT SYSTEM**

NOTE: The official or current version of documents required by LBNL’s Environmental Management System, such as the plan and implementing environmental management programs, are located at this site. Earlier versions of these documents will be labelled as "obsolete". Printed or electronically transmitted copies are not official. Users are responsible for working with the latest approved revision.

Berkeley Lab’s Environmental Management System (EMS) is managed by the Environment/Health/Safety Division. The EMS conforms to the International Organization for Standardization’s (ISO) 14001, which establishes requirements in 18 different element areas for management systems of this type that seeks continual improvement in environmental performance. LBNL takes a performance-based approach to applying the elements of ISO 14001 in a manner that provides real and tangible business value. Such an approach allows Berkeley Lab to focus resources on those activities that have a more valuable and stronger environmental benefit and to maintain the current strengths of its environmental compliance programs.

I. ENVIRONMENTAL POLICY

Berkeley Lab’s policy on environmental activities is found in the Environment, Safety and Health section of the Requirements and Policies Manual in the Environmental Protection Program area. To summarize this policy, Berkeley Lab is committed to the following:

- Complying with applicable environmental, public health, and resource conservation laws and regulations.
- Preventing pollution, minimizing waste, and conserving natural resources.
- Correcting environmental hazards and cleaning up existing environmental problems, and
- Continually improving the Laboratory’s environmental performance while maintaining operational capability and sustaining the overall mission of the Laboratory.

II. PLANNING ACTIVITIES

Programmatic Plan

An environmental management system plan summarizes how Berkeley Lab addresses each of the 18 elements in the standard.

- [Environmental Management System Plan (2012)](#)

The previous EMS Plan can be found on this page.

Environmental Management Programs

When an environmental aspect (i.e., an activity, product, or service that can interact with the environment) is determined to be significant, an Environmental Management Program (EMP) is established that defines an objective and sets a target. For example, the objective of the Petroleum Use EMP is to reduce vehicle fleet petroleum consumption with a target set at reducing this consumption by 2% each fiscal year relative to a baseline year of 2005.

Berkeley Lab has identified the following seven aspects that currently warrant EMPs:

- Alternative Commuting
- Energy Use
- Greenhouse Gas Emissions
- Petroleum Use
- Solid Waste Diversion
- Sustainable Acquisition
- Water Use

For details on each EMP, please contact Patrick Thorson at (510)486-5852 or pathorson@lbl.gov.

Archived EMPs can be found on this page.
Environmental Management System Procedures

Procedures to implement Berkeley Lab's Environmental Management System have restricted access and are located at this internal link.

III. CHECKING

This area of the methodology includes internal and external reviews of the management system. Some of the reports generated over the years include:

- Mid-cycle Internal Assessment of EMS (2010)
- Department of Energy "Fully Implemented" Letter (2009)
- NSF-ISR Conformance Certificate (2009)
- NSF-ISR External Validation Audit Report (2009)
- LBNL Internal Assessment Report (2005)

IV. USEFUL RESOURCES

The environmental management system program has developed a checklist that may be useful in assessing certain aspects of environmental performance.

- Environmental Review and Self-Assessment Checklist

Any questions or comments on Berkeley Lab’s Environmental Management System, please contact Patrick Thorson of the EHS Division (x5852 or pathorson@lbl.gov).

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