

LBNL ENVIRONMENTAL MANAGEMENT PROGRAM

EMP Coordinator(s) and Organization(s): Ned Borglin (EH&S); Blair Horst (Facilities)		Revision Date: 9/14/2010	EMP No.: 10-011
Aspect: Greenhouse Gas Emissions	Objective: Track, report, and reduce greenhouse gas emissions from a range of LBNL activities.	Target: Reduce Scopes 1 and 2 greenhouse gas (GHG) emissions 28% and selected Scope 3 emissions 13% by the end of Fiscal Year (FY) 2020, relative to a FY08 baseline year.	
Category: <input checked="" type="checkbox"/> Improve <input type="checkbox"/> Control <input type="checkbox"/> Study (short term)			
Strategy: Executive Order 13514, <i>Federal Leadership in Environmental, Energy, and Economic Performance</i> , signed in October 2009, initiated mandatory measuring, reporting, and reducing of greenhouse gas emissions by federal agencies. In response, the Department of Energy established a goal of reducing Scope 1 (directly generated) and Scope 2 (indirectly generated from purchased energy) GHG emissions by 28% and selective Scope 3 (other indirectly generated) emissions by 13% by the end of FY20. Following strategies outlined in the Department's <i>Strategic Sustainability Performance Plan</i> , LBNL will strive to meet this target through a combination of building and infrastructure improvements, applications of technological innovations, many developed at Berkeley Lab, and behavior change practices that also improve energy efficiency, water conservation, waste reduction, and sustainable acquisition. Reductions will be tracked and reviewed annually.			
Actions to Achieve Objective:			
Upcoming Actions		Lead	Due Date
1. Update Procurement's <i>Restricted Items</i> list to include GHGs.		N. Borglin	9/30/10
2. Submit approved Site Sustainability Plan (SSP) to DOE Office of Science.		B. Horst	12/31/10
3. Report FY10 GHG emissions to DOE.		N. Borglin	1/31/11
Completed Actions		Lead	Due Date
1.			
Metrics (Environmental Performance Indicators):			
1. Metric tons of Carbon Dioxide equivalent (CO ₂ e)			
Comments:			
EMP Closure Summary: Not applicable at this time.			

LBNL ENVIRONMENTAL MANAGEMENT PROGRAM

NOTES / INSTRUCTIONS

FORM FIELD	NOTE
EMP Coordinator(s)	Name the person(s) responsible for the accomplishment of the Environmental Management Program (EMP); That is, overseeing the workplan, monitoring and reporting progress, requesting changes to the workplan as appropriate.
Organization(s)	Name the organization(s) primarily impacted or affected by this EMP. If only one department of an organization is affected, note that department.
Revision Date	Date that identifies when EMPs are modified or updated.
EMP Number	Number will be assigned by the EMS Manager.
Aspect	The significant aspect (e.g. energy use, chemical usage).
Objective	Focusing on the impacts related to this significant aspect, state the goal. What is it you want to achieve? Use action words (e.g., reduce, improve, control).
Target	State "how much and by when." The target is the performance element and should be quantitative and measurable.
Category	The categories identify and help to focus the EMP. The definitions of these categories are: <ul style="list-style-type: none"> • Improve: improve the performance in this area • Control: current environmental controls are sufficient, but EMP objective is to maintain and strengthen the level of control • Study: the issue or area has been designated as significant, but historic or baseline data must be studied and compiled to determine the direction of future action
Strategy	In this section, describe the overall approach to the problem. Some of the questions to be addressed include: <ul style="list-style-type: none"> • How much has or has not been already been accomplished in this area? • Why is this important? Are there relevant drivers (e.g., regulations, directives, public pressure)? • What are the impacts to be addressed in this EMP?
Actions	List the specific actions to be taken to achieve the objective and target. List the action and identify the responsible parties and dates by which the actions should be accomplished.
Metrics	Metrics are the Environmental Performance Indicators, how you measure the accomplishments. List the specific, quantifiable measurements or metrics (e.g., percent of employees trained, kilowatt hours saved, tons of waste diverted, gallons of material).
Comments	Add details to support changes to any of the fields on the form.
EMP Closure Summary	After the EMP and all actions within the EMP are complete, a concise description of the EMP's ability to achieve its objective and target should be provided.