

LBNL ENVIRONMENTAL MANAGEMENT PROGRAM (EMP)

EMP Coordinator(s) and Organization(s): Ron Pauer and Pat Thorson, EH&S; Facilities		Revision Date: 7-17-08	EMP No.: 05-01D																																																												
Aspect: Diesel Particulate Matter (DPM) Air Emissions	Objective: Track implementation alternatives for reducing diesel particulate matter (DPM) emissions from: (1) mobile, and (2) stationary sources.	Target: Reduce DPM emissions by 5% per year relative to a CY2005 baseline year.																																																													
Category: <input checked="" type="checkbox"/> Improve <input type="checkbox"/> Control <input type="checkbox"/> Study (short term)																																																															
<p>Strategy: California identified diesel particulate matter (DPM) as a toxic air contaminant based on its potential to cause cancer and other adverse health effects and the California Air Resources Board established a <i>Diesel Risk Reduction Program</i> (www.arb.ca.gov/diesel/dieselrrp.htm). Overall, emissions from diesel engines are responsible for the majority of the potential airborne cancer risk in California. At LBNL, diesel emissions are also responsible for the majority of airborne cancer risk.</p> <p>In response to DPM rulemaking in California, and to lower potential cancer risks, DPM reduction alternatives will be implemented for:</p> <ol style="list-style-type: none"> 1. LBNL mobile sources (e.g. buses and trucks) – does not include contractor vehicles 2. stationary sources (emergency generators) <p>Reductions will be reviewed semi-annually and tracked annually.</p>																																																															
Actions to Achieve Objective:																																																															
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Metrics (Environmental Performance Indicators):																																																															

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1. DPM emission rate (grams/brake horsepower-hour or equivalent)

EMP Closure Summary:

Not closed yet.

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NOTES / INSTRUCTIONS

EMP Coordinator(s)	Name the person(s) responsible for the accomplishment of the EMP; i.e. overseeing the workplan, monitoring and reporting on 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, etc.).
Objective	Focusing on the impacts related to this significant aspect, state the goal. What is it you want to achieve? Use action words – reduce, improve, control, etc.
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 (regulations, directives, public pressure, etc.)? • 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 (percent of employees trained, kilowatt hours saved, tons of waste diverted, gallons of material, etc.).
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.