

LBNL ENVIRONMENTAL MANAGEMENT PROGRAM

EMP Coordinator(s) and Organization(s): Laura Chen & Blair Horst (Facilities)		Revision Date: 8/5/2010	EMP No.: 07-04
Aspect: Traffic Congestion	Objective: Reduce Laboratory commute traffic through Transportation Demand Management.	Target: Optimize parking; facilitate/promote non-SOV commuting; enhance shuttle bus operations, plan for off-site construction truck trips within LRDP – EIR limits.	
Category: <input checked="" type="checkbox"/> Improve <input type="checkbox"/> Control <input type="checkbox"/> Study (short term)			
Strategy: <p>The LBNL Transportation Demand Management (TDM) Plan is to reduce total vehicle trips to the Lab by controlling the number of available parking spaces and issuance of parking permits, and by motivating employees to use public transit, carpooling, and other alternative commuter transportation modes, reducing the number of single occupancy vehicles (SOV) entering the Lab. The TDM plan also addresses construction truck traffic limitations, controls and compliance. The TDM Plan is included as appendix to the Final Long Range Development Plan (LRDP) EIR, developed in collaboration with the City of Berkeley.</p>			
Actions to Achieve Objective:			
Upcoming Actions			
1. Conduct survey of local resident employees to help evaluate expanding shuttle routes.	J. Dahlgard	8/1/10	7/15/10
2. Develop and test alternative and additional Shuttle Bus Routes.	J. Dahlgard	9/30/10	
3. Develop an outreach program to promote achievement of TDM goals.	L. Matyas	9/30/10	
4. Provide a web summary of comments and responses from parking@lbl.gov e-mails.	L. Matyas/B. Horst	9/30/10	
5. Conduct LBNL – wide employee commuter survey.	L. Chen/B. Horst	9/30/10	
6. Participate in the Bay Area Air Quality Management District Great Race	P. Thorson	9/30/10	
7. Evaluate alternative on-site parking strategies.	J. Dahlgard	9/30/10	
8. Determine technical & economic viability of fueling subcontractor shuttle buses with biodiesel B100 rather than currently used biodiesel B20.	J. Dahlgard	9/30/10	
9. Determine technical & economic viability of fueling subcontractor Vans serving offsite facilities with alternative fuel E85 rather than currently used unleaded gasoline.	J. Dahlgard	9/30/10	
10. Update the Contractor Delivery Routes/Construction Traffic Management Plan	L. Dutton	9/30/10	
Completed Actions			
1. Conduct a parking management study.	L. Chen	9/30/07	9/24/07
2. Identify LBNL TDM Coordinator.	L. Chen/B. Horst	9/30/08	3/4/08
3. Form LBNL Transportation Task Force.	L. Chen/B. Horst	9/30/08	3/4/08
4. Conduct commuter surveys.	L. Chen/B. Horst	12/31/08	12/12/08 ^a
5. Update Parking Management Study to include 5-year analysis of parking impacts due to	L. Chen/B. Horst	12/31/08	11/12/08

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construction.			
6. Initiate commuter outreach.	L. Chen/B. Horst	12/31/08	12/31/08
7. Develop and manage a Contractor Delivery Routes/Construction Traffic Management Plan to restrict construction truck traffic to no more than 33 trips per work day.	L. Chen/B. Horst	9/30/08	9/1/08
8. Expand bicycle infrastructure.	L. Chen/B. Horst	12/31/08	12/31/08
9. Conduct a mitigation intersection study for Hearst Avenue/Gayley Road/LaLoma Ave.	L. Chen/B. Horst	12/31/08	11/26/08 ^b
10. Implement "Nextbus®" Global Positioning: Shuttle Bus locator/real-time schedule updates.	J. Dahlgard	1/8/09	1/8/09 ^c
11. Update mitigation intersection study for Hearst Avenue/Gayley Road/LaLoma Ave. Collaborate with City of Berkeley to incorporate findings of their Berkeley Pedestrian Master Plan.	L. Chen/B. Horst	9/30/09	11/13/09 ^d
12. Investigate parking fee at leased buildings.	L. Chen/B. Horst	9/30/09	9/30/09
13. Conduct commuter surveys.	L. Chen/B. Horst	9/30/09	Defer to FY10
14. Update the Contractor Delivery Routes/Construction Traffic Management Plan	L. Chen/B. Horst	9/30/09	9/30/09
15. Expand bicycle infrastructure – through continued considerations and actions	L. Chen/B. Horst	9/30/09	9/30/09
Reference 1: March 28, 2008 Letter to File from L. Chen, version 3, Status of TDM Plan Implementation			
Metrics (Environmental Performance Indicators):			
1. # of parking spaces, # of parking permits		3. ADP 2006, ADP 2007, ADP 2008, ADP 2009	
2. # of commuters using SOV, # of commuters using alternative transportation		4. # Construction Truck Trips per day; average & peak	
Comments:			
a) Commuter survey completed by listed date. Final report involved several iterations of review.			
b) Date draft of study submitted to City of Berkeley. City's comments resulted in new action #11.			
c) Nextbus® action added.			
d) Delayed completion due to late commentary by the City of Berkeley.			
EMP Closure Summary:			
Not applicable at this time			

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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.