LB-ER-10-01	
SC NEPA Tracking Number	

U. S. DEPARTMENT OF ENERGY OFFICE OF SCIENCE

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) ENVIRONMENTAL EVALUATION NOTIFICATION FORM

To be completed by "financial assistance award" organization receiving Federal funding. For assistance (including a point of contact), see "Instructions for Preparing SC F-560, Environmental Evaluation Notification Form".

Solic	itatio	on/Award No. (if applicable):		
Orga	nizat	tion Name: Lawrence Berkeley National Laboratory		
•		roposed Project/Research: Joint BioEnergy Institute (JBEI) Lease and Operation of Gree (ARRA Project Code 2005095)	nhouses at UC	Davis
Tota	I DOE	E Funding/Total Project Funding: \$ 600,000 construction and \$15,400 operating		
l.	Pro	oject Description (use additional pages as necessary):		
	A.	Proposed Project/Action (delineate Federally funded/Non-Federally funded portions)		
		The proposed action would construct two 400 ft ² greenhouses, provide utilities to grow plants in the greenhouses and maintain the greenhouses for three years. T would provide space and controlled growth conditions for rice, Arabidopsis, switc tobacco.	he greenhou	
		The lease with UC Davis would permit JBEI to have two 400 ft ² greenhouses installed as depicted in Attachment A (Greenhouse Location), together with ingress a JBEI can conduct scientific research at the Greenhouse Location. Provided that costs would stay within the amount appropriated, U. C Davis would be responsible installation of the greenhouses, including, but not limited to, a feasibility study, sit design, and purchase and installation of greenhouses.	nd egress, so the installation le for the enti	o that on ire
		The goal of this project is to aid in the advancement of research on the cell wall s model crops.	tructure of bi	omass
		This project would directly support DOE's mission theme of Scientific Discovery a it would enable transformational science by providing infrastructure that would act the development and evaluation of plant feedstocks for sustainable bioenergy pro-	celerate prog	
	В.	Would the project proceed without Federal funding? If "yes", describe the impact to the scope:	Yes	No
11.	<u>Des</u>	scription of Affected Environment: The construction site is located on the University of California Davis campus in area adjacent to other greenhouses as shown on attachment A.	n already dev	/eloped
III.	Pre	eliminary Questions:	Voo	No
	A.	Is the DOE-funded work entirely a "paper study"?	Yes	No ⊠

If "Yes", ensure that the description in Section I reflects this and go directly to Section V.

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(11/05) Prev	rious e	editions are obsolete. SC NEPA	Tracking Number				
В	3.	Will the work to be performed take place entirely in existing buildings?		\boxtimes			
ŧ		And:					
		 Threaten a violation of applicable statutory, regulatory, or permit requirements environment, safety, and health? 	s for	\boxtimes			
		2. Require the siting, construction or major expansion of waste treatment, storage disposal facilities?	ge, or	\boxtimes			
		3. Disturb hazardous substances, pollutants, or contaminants preexisting in the environment?					
		 Adversely affect environmentally-sensitive resources identified in Section IV.A Be connected to another existing/proposed activity that could potentially creat cumulatively significant impact? 		\boxtimes			
		6. Have an inherent <i>possibility</i> for high consequence impacts to human health o environment (e.g., Biosafety Level 3-4 laboratories, activities involving high le radiation)?					
		If "No" to Question III.B. and ALL six subsequent questions, ensure the descrip	ptions in Section:	s I and			
		Il reflect this and go directly to Section V.					
IV. <u>F</u>	ote	ential Environmental Effects:					
Δ	Attach/insert an explanation for each "Yes" response.						
Α	٨.	Sensitive Resources: Will the proposed action result in changes and/or disturbances resources?	s to any of the follo	wing			
		 Threatened/Endangered Species and/or Critical Habitats Other Protected Species (e.g., Burros, Migratory Birds) Sensitive Environments (e.g., Tundra/Coral Reefs/Rain Forests) Archaeological/Historic Resources Important Farmland Non-Attainment Areas for Ambient Air Quality Standards Class I Air Quality Control Region Special Sources of Groundwater (e.g. Sole Source Aquifer) Navigable Air Space Coastal Zones Areas with Special National Designation (e.g. National Forests, Parks, Trails) 	Yes				
		12. Floodplains and Wetlands					
E	B. Regulated Substances/Activities: Will the proposed action involve any of the following regulate activities?						
		 Natural Resource Damage Assessments Exotic Organisms Noxious Weeds Clearing or Excavation (indicate if greater than one acre) Dredge or Fill (under Clean Water Act, Section 404, indicate if greater than teacres) 	Yes	No XX XX XX			
		Regulated Substances/Activities: Will the proposed action involve any of the following activities? (continued)	ng regulated Items	or			
		activities? (continued) 18. Noise (in excess of regulations) 19. Asbestos Removal 20. PCB's 21. Import, Manufacture, or Processing of Toxic Substances 22. Chemical Storage/Use 23. Pesticide Use	Yes				

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		24. 25. 26.	Hazardous, Toxic, or Criteria Pollutant Air Emissions Liquid Effluents Irrigation water from watering the plants Underground Injection			
		27.	Hazardous Waste			\square
		28.	Underground Storage Tanks			$\overline{\boxtimes}$
		29.	Radioactive Mixed Waste			\boxtimes
		30.	Radioactive Waste			\boxtimes
		31.	Radiation Exposure			\boxtimes
		32. 33.	Surface Water Protection Pollution Prevention Act			\boxtimes
		33. 34.			닐	\boxtimes
		3 4 .	Ozone Depleting Substances Cooling will be done using evaporative Off-Road Vehicles	e coolers		X
		36.	Biosafety Level 3-4 Laboratory			\boxtimes
	C.	<u>Other</u>	Relevant Information: Will the proposed action involve the following	<u>?</u>		
		37.	Potential Violation of Environment, Safety, or Health Regulations/P	ermits	Yes	No ⊠
		38.	Siting/Construction/Major Modification of Waste Recovery, or Wast Storage, or Disposal Facilities	e Treatment,		\boxtimes
		39.	Disturbance of Pre-existing Contamination		П	\boxtimes
		40.	New or Modified Federal/State Permits			
		41	Public Controversy No GMO crops will be grown			$\overline{\boxtimes}$
		42.	Environmental Justice			\boxtimes
		43.	Action/Involvement of Another Federal Agency (e.g. license, fundin			\boxtimes
		44.	Action of a State Agency in a State with NEPA-type law. (Does the Environmental Quality Review Act apply?) UC Davis and LBNL will		\boxtimes	
		4.5	reviews			
		45.	Public Utilities/Services minor amounts of power will be needed for and heating	cooling, lighting,	\boxtimes	
		46.	Depletion of a Non-Renewable Resource			\boxtimes
		47.	Extraordinary Circumstances		Ħ	
		48.	Connected Actions		Ħ	X
		49.	Exclusively Bench-top Research		Ħ	X
		50.	Only a Campus Setting			
/ .	Fina	ancial A	ssistance Award Organization Concurrence:			
	A.	<u>Organ</u>	ization Official (Name and Title): Jeff Philliber, LBNL Environm	nental Planner		
		Signa	$\mathcal{L}_{\mathcal{L}}}}}}}}}}$	Б. 1	12-22	_ ^0
		Olgila			e: <u>12~22</u>	
		e-mail	: JGPHILLIBER G LBL. GOV Phone:	510-486-	2524	
Rem	ainde	er to be	e completed by SC			
′ I.	SC	Concur	rence/Recommendation/Determination:			-
	A.	SC BS	<u>SO</u> :			
			et Director or Contract Rick Chapman General Engineer alist (Name and Title):			
		Signat	ure: K. Chalman	Date	e: 01-0	4-10

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B. SC NEPA Team Review:

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Is the project/activity appropriate for a determination or a recommendation to the Head of the Field Organization by the NEPA Compliance Officer (NCO) under Subpart D of the DOE NEPA Regulations? Yes 🖾 No 🗌 Specific class(es) of action from Appendices A-D to Subpart D (10 CFR 1021): A.7, B1.3, B1.15, B3.6 Name and Title: Kim Abbott NEPA Document Manager Date: 12/22/09 Signature: SC ISC Counsel (if necessary): Name and Title: Signature: Date: SC ISC Field Office NEPA Compliance Officer: The preceding pages are a record of documentation required under DOE Final NEPA Regulation, 10 CFR 1021.400. Action may be categorically excluded from further NEPA review. I have determined that the proposed action meets the requirements for Categorical Exclusion referenced above. Action requires approval by Head of the Field Organization. Recommend preparation of an П Environmental Assessment. Action requires approval by Head of the Field Organization or a Secretarial Officer. Recommend preparation of an Environmental Impact Statement. Comments/Limitations if necessary: **Print Name** Gary Hartman . Signature:

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