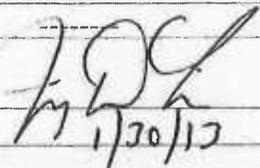


ENVIRONMENTAL EVALUATION NOTIFICATION FORM

Grantee/Contractor Laboratory: Princeton University/Princeton Plasma Physics Laboratory (PPPL)
 Project/Activity Title: Science & Technology Support Infrastructure (STSI) Activity
 NEPA Tracking No.: _____ Type of Funding SC
 B&R Code: _____ Total Estimated Cost: \$60M

DOE Cognizant Secretarial Officer (CSO): William F. Brinkman

Contractor Project Manager: _____ Signature: _____
 Date: _____

Contractor NEPA Reviewer: Jerry D. Levine Signature: 
 Date: 1/30/13

I. **Description of Proposed Action:** The proposed action would provide modern scientific space to conduct PPPL research activities, while rehabilitating several older facilities for other uses and demolishing several other facilities that would no longer be needed. This action would provide a new 42,000 gross square foot fully functional laboratory and support area and new 30,000 gross square feet of office/ admin/ conference area totaling approximately 72,000 gross square feet of new construction for a Science & Technology Center (S&TC). The proposed S&TC facility would consist of two major building masses with an interconnecting link and a main lobby entrance. The first building mass would consist of two laboratory floor levels plus a mechanical penthouse. The second building mass would consist of 3 floors of office wing with approximately half of the first floor containing conference/huddle/break area. The laboratories would be designed to accommodate specific research needs within a framework that would affordably adjust to future research requirements as they change over time. The facility would include technician offices, experiment control rooms and laboratory support space as well as required laboratory and facility support infrastructure. Current small scale fusion and plasma research experiments in existing facilities such as the C-Site Laboratory Building would be moved to the new S&TC, as would associated workers. The proposed action would also include demolition of the existing Admin Building, Theory Wing and Module VI at C-Site, rehabilitation of the existing C-Site Laboratory Building for offices, and rehabilitation of the existing C-Site Motor Generator (MG) Building to accommodate relocation of staff and equipment from the existing C-Site CAS/RESA Building. See attached figures.

II. **Description of Affected Environment:** Work would take place at several locations at PPPL C-Site (see above and figures). No environmentally sensitive resources would be affected.

III. **Potential Environmental Effects:** (Attach explanation for each "yes" response, and "no" responses if additional information is available and could be significant in the decision making process.)

A. Sensitive Resources: Will the proposed action result in changes and/or disturbances to any of the following resources?

	<u>Yes/No</u>
1. Threatened/Endangered Species and/or Critical Habitats	1. No
2. Other Protected Species (e.g. Burros, Migratory Birds)	2. No
3. Wetlands	3. No
4. Archaeological/Historic Resources	4. No
5. Prime, Unique or Important Farmland	5. No
6. Non-Attainment Areas	6. No
7. Class I Air Quality Control Region	7. No
8. Special Sources of Groundwater (e.g. Sole Source Aquifer)	8. No
9. Navigable Air Space	9. No
10. Coastal Zones	10. No
11. Areas w/Special National Designation (e.g. National Forests, Parks, Trails)	11. No
12. Floodplain	12. No

B. Regulated Substances/Activities: Will the proposed action involve any of the following regulated substances or activities?

	Yes/No
13. Clearing or Excavation (indicate if greater than 5 acres) <i>Footprint of new construction would be 38,500 ft² (0.88 acres)</i>	13. Yes
14. Dredge or Fill (under Clean Water Act section 404: indicate if greater than 10 acres)	14. No
15. Noise (in excess of regulations)	15. No
16. Asbestos Removal <i>Demolition of Theory Wing & rehabilitation of the Lab Building and C-Site MG Bldg would likely generate some asbestos waste, which would be handled by an asbestos certified contractor.</i>	16. Yes
17. PCBs	17. No
18. Import, Manufacture or Processing of Toxic Substances	18. No
19. Chemical Storage/Use <i>Chemical use/storage should not change significantly from current activities.</i>	19. Yes
20. Pesticide Use	20. No
21. Hazardous, Toxic, or Criteria Pollutant Air Emissions	21. No
22. Liquid Effluent <i>Liquid effluents to sanitary sewer and detention basin should not change significantly from current activities.</i>	22. Yes
23. Underground Injection	23. No
24. Hazardous Waste	24. No
25. Underground Storage Tanks	25. No
26. Radioactive (AEA) Mixed Waste	26. No
27. Radioactive Waste	27. No
28. Radiation Exposures	28. No

C. Other Relevant Disclosures. Will the proposed action involve the following?

	<u>Yes/No</u>
29. A threatened violation of ES&H regulations/permit requirements <i>The requirements of 10CFR851 (as implemented under the DOE approved PPPL Worker Safety and Health Program) would be applied to work at PPPL under this proposed action.</i>	29. No
30. Siting/Construction/Major Modification of Waste Recovery, or TSD Facilities	30. No
31. Disturbance of Pre-existing Contamination	31. No
32. New or Modified Federal/State Permits	32. No
33. Public controversy	33. No
34. Action/involvement of Another Federal Agency (e.g. license, funding, approval)	34. No
35. Action of a State Agency in a State with NEPA-type law. (Does the State Environmental Quality Review Act Apply?)	35. No
36. Public Utilities/Services	36. No
37. Depletion of a Non-Renewable Resource	37. No

IV. **Section D Determination:** Is the project/activity appropriate for a determination under Subpart D of the DOE NEPA Regulations for compliance with NEPA?

Yes

DOE-PSO NEPA Compliance Officer Review:

Concurrence with Proposed Class of Action Recommended

CX EA EIS

Category: B3.6 Siting/construction/operation/decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects.

For Categorical Exclusions (CXs):

A. The proposed action fits within a class of actions that is listed in Appendix A or B to Subpart D.

For classes of actions listed in Appendix B, the following conditions are integral elements; i.e., to fit within a class, the proposal must not:

- 1) Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including DOE and/or Executive Orders;
- 2) Require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities, but may include such categorically excluded facilities;
- 3) Disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; or
- 4) Adversely affect environmentally sensitive resources.

B. There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal; and

C. The proposal is not "connected" to other actions with potentially significant impacts, is not related to other proposed actions with cumulatively significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

V. **DOE Recommendation Approval:**

SC GLD: Michael M. McCann
Attorney-Advisor

Signature:



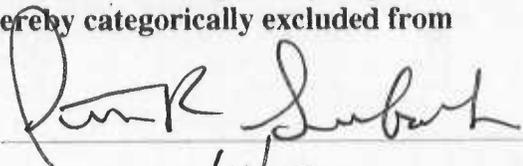
Date: 2/6/13

VI. **NEPA Compliance Officer Subpart D CX Determination and Approval:**

Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer, I have determined that the proposed action fits within the specified class of actions, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.

PSO NCO: Peter Siebach

Signature:

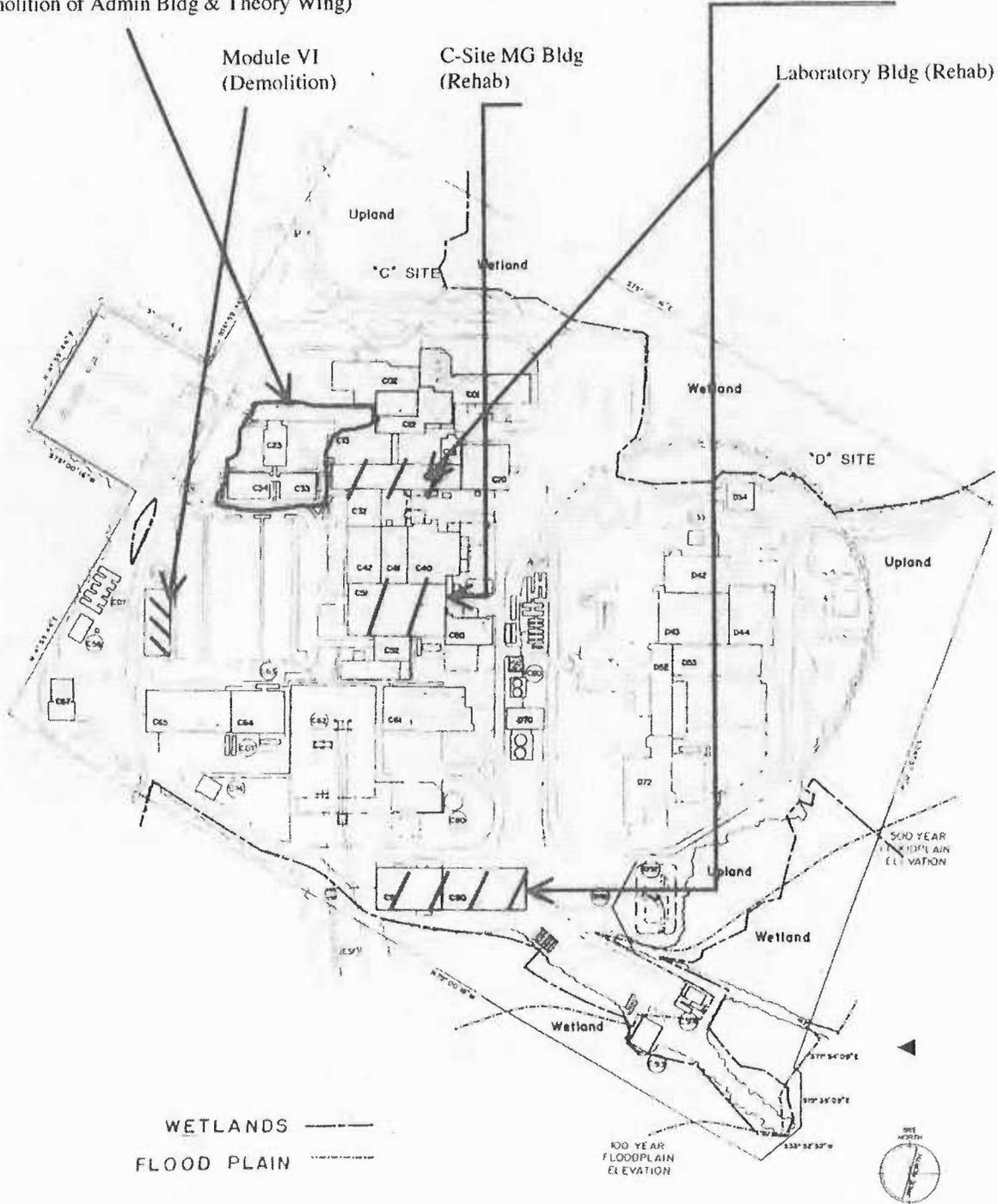


Date: 2/11/13

Science & Technology Support Infrastructure (STSI) Activity

New S&TC Construction (including demolition of Admin Bldg & Theory Wing)

RESA/CAS (staff & equipment relocation to C-Site MG Bldg)



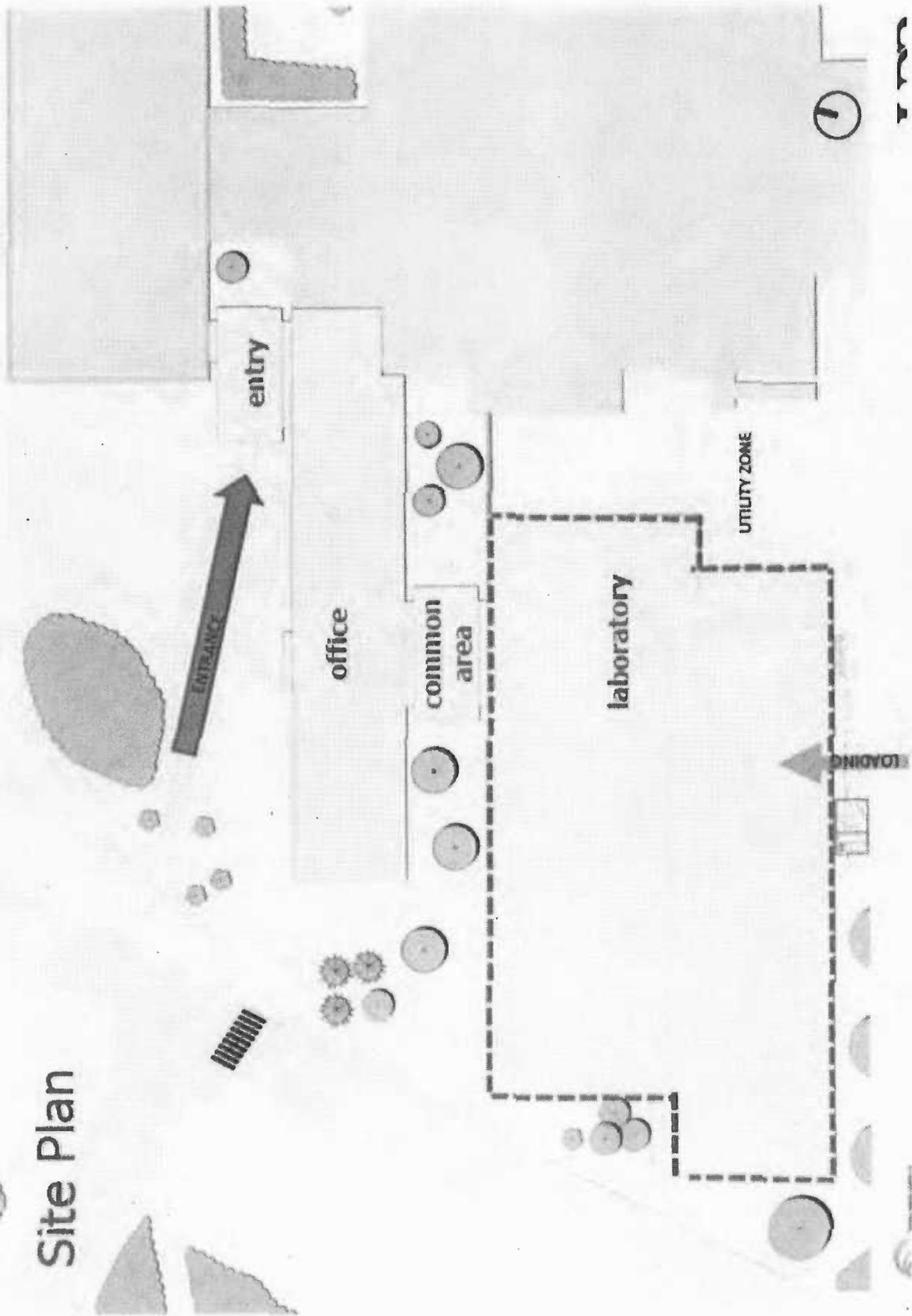
WETLANDS ---
FLOOD PLAIN



SITE PLAN
PRINCETON UNIVERSITY
PLASMA PHYSICS LABORATORY

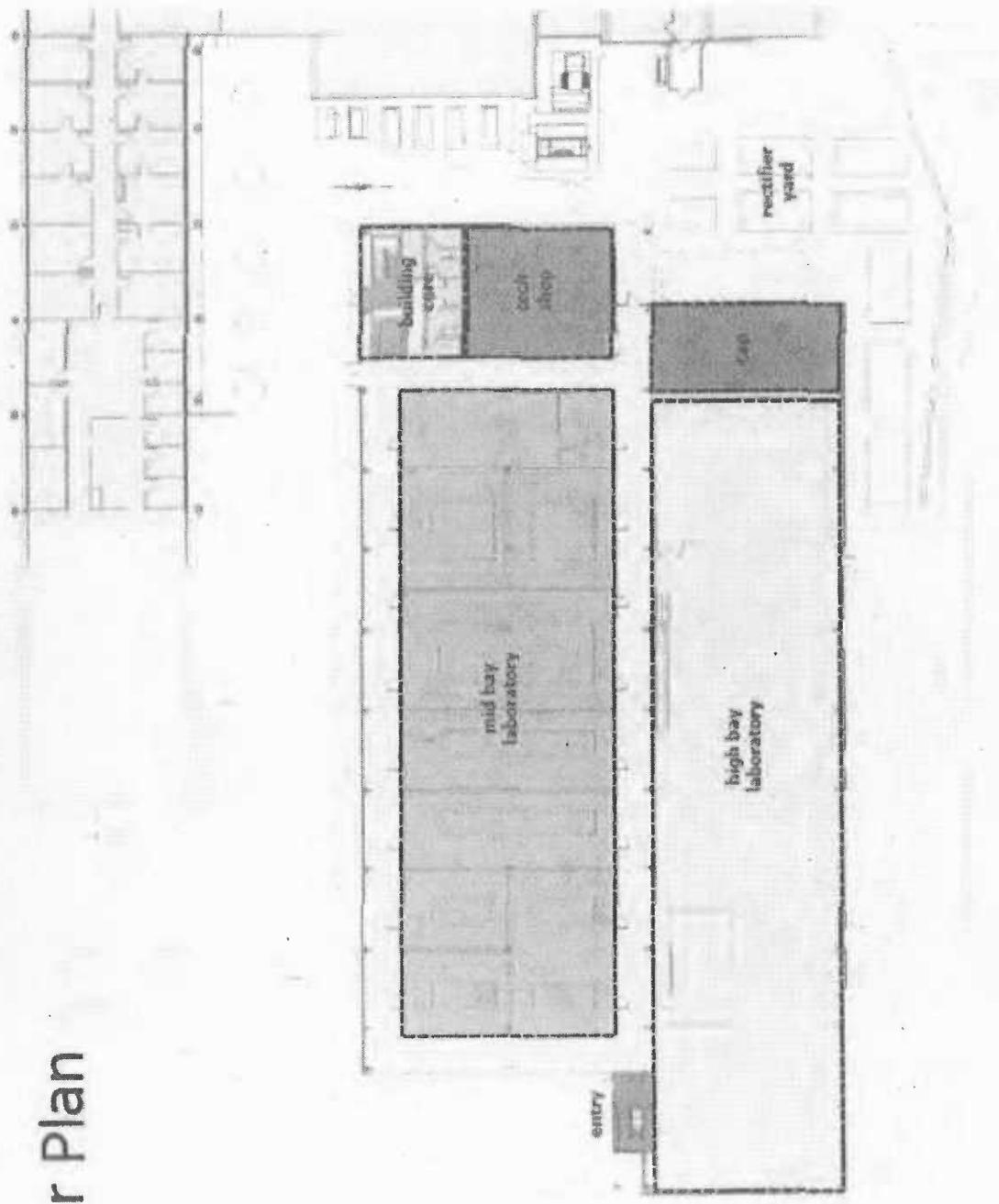
PROPOSED SCIENCE & TECHNOLOGY CENTER

Site Plan



PROPOSED SCIENCE & TECHNOLOGY CENTER

First Floor Plan



Science & Technology Support Infrastructure (STSI) Activity

PROPOSED SCIENCE & TECHNOLOGY CENTER

Second Floor Plan

