**PPPL** 

PRINCETON PLASMA PHYSICS LABORATORY **PROCEDURE** 

No. ESH-014 Rev 4 Attachment 1

**NEPA Planning Form** 

page 1 of 2

	pg 1 of 2 NEPA PLANNING FORM # 1287 (by ES&H) Applicability: this form shall be prepared as early as possible for each new or continuing activity at PPPL.					
		n of PPPL activities shall not prortification of this form.	occed prior to			
<b></b>	Originator: JOSEPH CARS		850 /ZXX-250			
	Project/Organization: USX Bee	Total Estimated	Cost: 26012			
	Title of Activity/Change: NCX P	EVALUATIO	<b>N</b>			
<b>Description of Activity:</b> [include physical description of activity, purpose, location, changes to any operating parameters or approved environmentally related limits, potential or actual ES&H impacts, as applicable. Attach additional sheets if needed] Circle one of these choices:						
-	ATTACH AND OPERATE AN APP	PEOPRIATE GENERIC (	UNIQUE			
-	VACUUM PUMPING SYSTEN	N TO THE NOSY BODG				
T O	FOR EVALUATION AND LE 15 TO BE PERFORMED AT	AK CHECKING THE	) <del></del>			
B	ONGOING TASK A	S PART OF	SAV SCOG.			
С О М	NOSX NBI PROJEC	T.				
PLETED	ES&H Considerations: Will the change known activities, result in changes and/or disturbed directions on answering)*	factivity, either individually or cumulation ances to the following entities (see Attac	chment 2 for			
В	1: Air Emissions	12.0	YES NO			
ĸ	2: Liquid Effluent	13: Sewage System  14: Water Use				
E Q U	3: Domestic Waste	15: Pesticide Use				
E S	4: Radioactive Waste	16: Chemical Use/Storage				
T O	5: Hazardous Waste	17: Petroleum Use/Storage	$\overline{}$			
R	6: Mixed Waste	18: Radiation Exposure				
	7: Asbestos Waste	19: Impacts to Workers				
ŀ	8: Wetlands	20: Noise Levels				
۱	9: Floodplains	21: Pollution Prevention Applies				
l	10: Indoor/Outdoor Clearing or Excavation	22: Stored Energy				
	11: Soil Movement	23: Fire Safety Issues				
	12: PPPL Water Systems	24: Electrical/RF/Lasers	<u> </u>			
		is on a separate sheet attached to this form				
	The undersigned have reviewed the description and accurate and complete.	l assessment of ES&H considerations an	d state that they are			
	Work will not proceed until NEPA_certi	fied form (page 2) is received by	cognizant person.			
	COG PERSON/ATI: XXX Cau	DATE: //	22/03			
V	DIV HEAD/RLM: DIS 1/2	107 /19 DATE: 1/	122/03			

PPPL PRINCETON PLASMA PHYSICS LABORATORY

**PROCEDURE** 

No. ESH-014 Rev 4 Attachment 1

**NEPA Planning Form** 

page 2 of 2

\[	PB 2 of 2 NEPA PLANNING FORM # 1287	
	NEPA Evaluation: (attach "Environmental Evaluation for PPPL Change Proposal" and "Environmental Evaluation Notification Form")	
	Covered by an existing DOE approved categorical exclusion?  YES  NO	
	If yes, specify	
T O	Approval for categorical exclusion required from DOE?	
B E C	DOE approval: Date:	
O M P	Other NEPA documentation required ?	
L E T E D	Fors 1 issued who NCSX BA (DOZ-EA)	<b>4</b> 37)
B Y		
E S & H	NEPA Review for this Activity has been Completed:	
	NEPA Compliance Manager (or designee)  Date:	
	- THA required.	

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The official document is at http://www.pppl.gov/eshis/PPPL\_docs.shtml

The ES&H and Infrastructure Support Department maintains the signed original.

## MEPA & SAFETY ANALYSIS REVIEW STATUS FORM 1/23/03 DATE RECEIVED & LOGGED IN: READY FOR REVIEW: NEPA PROCESS ON HOLD: \_\_\_\_\_ REASON SAFETY ANALYSIS REVIEW SAFETY ANALYSIS REVIEWER/DATE: SAFETY REVIEW/DOCUMENT. REQTS REVIEW COMPLETE ENV EVALUATIONS COMPLETED AND SIGNED BY ENVIRONMENTAL ENGINEER OR ALTERNATE) NEPA FORMS READY TO BE SENT OUT (NEPA PLANNING FORM CERTIFIED BY NEPA COMPLIANCE MANAGER) NEPA FORMS SENT OUT € ONE COPY-ORIGINATOR **⋄** ONE COPY-COGNIZANT PERSON • ONE COPY-FACILITY MANAGER(S) FOR THE AREA(S) AFFECTED (Ven Halle) ONE COPY-DIVISION HEAD ONE COPY-INDUSTRIAL HYGIENIST ONE COPY-ER/WM DIVISION HEAD [IF HAZARDOUS OR RADIOACTIVE WASTES ARE INVOLVED] ONE COPY-ENVIRONMENTAL ENGINEER [IF AIR EMISSIONS ARE INVOLVED] ONE COPY-SITE PROTECTION DIVISION HEAD [IF HAZARDOUS MATERIALS ARE INVOLVED] ONE COPY-OPERATIONS CENTER [IF A D-SITE CHANGE IS INVOLVED] ONE COPY-SAFETY ANALYSIS REVIEWER (IF APPLICABLE) ONE COPY-OTHERS ORIGINAL-NEPA FILES)

1287

## ENVIRONMENTAL EVALUATION FOR PPPL CHANGE PROPOSAL

NCSX BEAMLINE EVALUATION TITLE OF CHANGE OR PROJECT

<u>J. CARSON</u> COGNIZANT PERSON PROJECT NUMBER

				$\mathbf{E} \mathbf{v}$	a l u	ation					
ISSUE	APPLICAB	ILITY	POTEN	ITIAL IN	<u> ИРАСТ</u>	ISSUE		ABILITY		<u>ITIAL IM</u> NAI	PACT AI
		NA	N	NAI	ΑI		A	NA	N	NAI	AI
CONSTRUCTION ACTIVITY						LAND USE CONSIDERATION		_			
DUST	٥	9		ø	o	WETLANDS/ FLOODPLAINS	ø	ď	O	O	o
Noise	o	Í		0	o o	CRITICAL HABITATS	o	ø/	o		٥
OTHER	a	a /	0	o	٥	ARCHAEOLOGICAL SITES	O	Ø	o		ø
EFFLUENTS AND CONTAMINANTS						FACILITY CONSIDERATIONS		/			
SOLIDS	O	•			J	AESTHETICS	o	ø,	٥		O
Liquids	0/	ø		٥	<b>,</b> a	Public Relations	▢	ø		o	
GASES	ø´			9		OTHER		Ø			
						CATEGORICAL EXCLUSION		YES NO			
ENERGY EMISSION	NS	_/				Covered under NO	SX FA (	OOE/EA-1	437)· F(	NSI issu	ed
RADIATION	O	<b>13</b>		O	O	10/25/02.	JON LA (I	JOLILA	457),10	)1 (SI 155G	
OTHER		ø									
APPLICABILITY: POTENTIAL IMPAC		PLICABLE, N ONE. NAI -				SIBLE IMPACT BUT NOT E	EXPECTED T	O BE HARMI	ип.). AI -	ADVERSE	Імраст
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This activity wil from operation of	l involve em f_a_vacuum_	issions of pumping s	gaseou: ystem.	s nitrogei	n from be	amline purging, and p	possibly v	ery small a	mounts	of hydroc	arbons
<u> </u>	+	<del>) [[</del>					/	- 1 -			
	My XI	4/2			_		1/23	103			
Ĩ		ALUATO	-				EVAL (	UATION I	DATE		
PPPL ENVI	RONMENT.	<i>y</i> · /	VER (O	R DESIG	NEE)		/ / / / APP	パン ROVAL D	ATE		

## ENVIRONMENTAL EVALUATION NOTIFICATION FORM

Grantee/Contractor Laboratory: Princet	ton University/Prince	ton Plasma Physics Laboratory (PPPL)
Project/Activity Title: NCSX Beamline		
CH NEPA Tracking No.:	Type of Funding	
B&R Code:	Total Estimate	d Cost: \$260k
DOE Cognizant Secretarial Officer (CS	SO): Raymond L. C	Orbach
Contractor Project Manager:		Signature:
, , ,		Date:
Contractor NEPA Reviewer: Jerry D.	Levine	Signature: (h) h) fr
•		Date: //1/24/03

- I. Description of Proposed Action: A vacuum pumping system will be installed and operated on the former PBX-M neutral beamlines (NBLs), which are currently being stored in the ESAT Building Basement. The NBLs will be purged and pumped down with nitrogen gas to evaluate their status and for leak checking purposes. This gas will be vented to the outside via hose and pipe that will be run from the vacuum pump skid through an existing penetration that was previously used for venting the Liquid Metal Experiment (a fan in the penetration that is no longer used will be removed). This work is being done to prepare these NBLs for future use on NCSX.
- II. <u>Description of Affected Environment:</u> Work will take place in the C-Site ESAT Building Basement (see attached figure and map).
- III. <u>Potential Environmental Effects:</u> (Attach explanation for each "yes" response, and "no" responses if additional information is available and could be significant in the decision making process.)

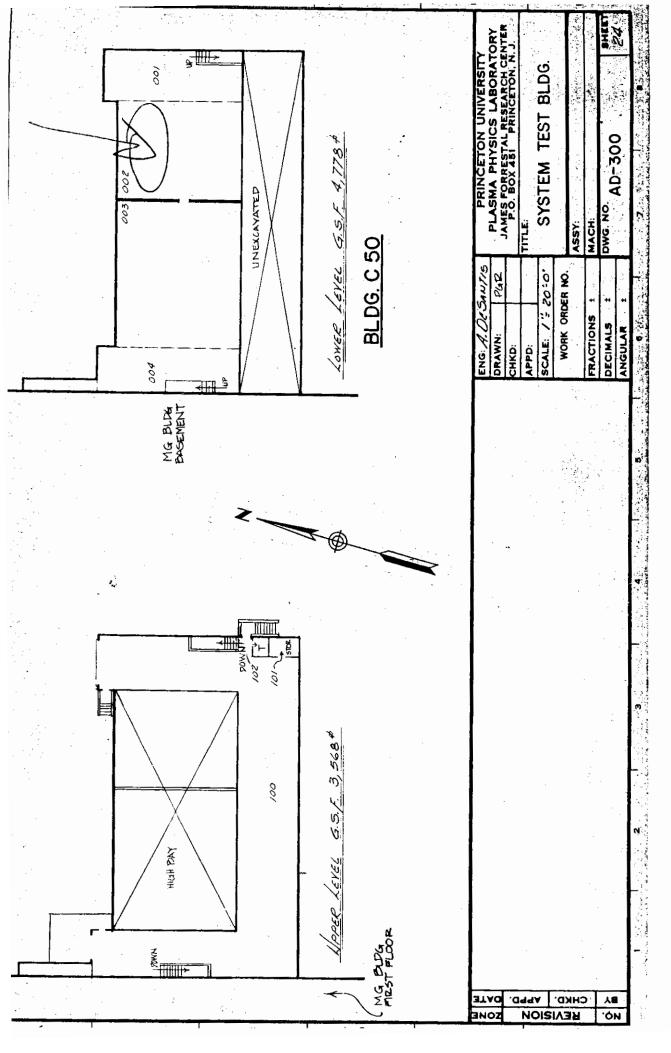
## A. Sensitive Resources: Will the proposed action result in changes and/or disturbances to any of the following resources?

		Yes/No
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?				
101101	ring regulated substances of activities.	Yes/No		
13.	Clearing or Excavation (indicate if greater			
1.4	than 5 acres)	13. No		
14.	Dredge or Fill (under Clean Water Act section 404;	14 No		
15.	indicate if greater than 10 acres) Noise (in excess of regulations)	14. No 15. No		
16.	Asbestos Removal	15. No		
17.	PCBs	17. No		
18.	Import, Manufacture or Processing of Toxic Substances	18. No		
19.	Chemical Storage/Use	19. Yes		
	Nitrogen gas will be used to vent and leak check the NBLs.			
20.	Pesticide Use	20. No		
21.	Hazardous, Toxic, or Criteria Pollutant Air Emissions	21. No		
22.	Liquid Effluent	22. No		
23.	Underground Injection	23. No		
24. 25.	Hazardous Waste	24. No		
25. 26.	Underground Storage Tanks Radioactive (AEA) Mixed Waste	25. No 26. No		
27.	Radioactive Waste	20. No 27. No		
28.	Radiation Exposures	28. No		
c. o	ther Relevant Disclosures. Will the proposed action involve the following			
		Yes/No		
C. O	ther Relevant Disclosures. Will the proposed action involve the followard A threatened violation of ES&H regulations/permit requirements			
	A threatened violation of ES&H regulations/permit	Yes/No 29. No		
	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment.	Yes/No 29. No be to the		
29.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment. ESAT Basement.	Yes/No 29. No be to the s in the		
29. 30.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment.  ESAT Basement.  Siting/Construction/Major Modification of Waste  Recovery, or TSD Facilities	Yes/No 29. No		
29. 30. 31.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment. ESAT Basement.  Siting/Construction/Major Modification of Waste  Recovery, or TSD Facilities  Disturbance of Pre-existing Contamination	Yes/No 29. No be to the s in the 30. No 31. No		
29. 30. 31. 32.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment. ESAT Basement.  Siting/Construction/Major Modification of Waste  Recovery, or TSD Facilities  Disturbance of Pre-existing Contamination  New or Modified Federal/State Permits	Yes/No 29. No be to the s in the 30. No 31. No 32. No		
30. 31. 32. 33.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment. ESAT Basement.  Siting/Construction/Major Modification of Waste  Recovery, or TSD Facilities  Disturbance of Pre-existing Contamination  New or Modified Federal/State Permits  Public controversy	Yes/No 29. No be to the s in the 30. No 31. No 32. No 33. No		
30. 31. 32. 33. 34.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment. ESAT Basement.  Siting/Construction/Major Modification of Waste Recovery, or TSD Facilities  Disturbance of Pre-existing Contamination  New or Modified Federal/State Permits  Public controversy  Action/involvement of Another Federal Agency (e.g. license, funding, approval)	Yes/No 29. No be to the s in the 30. No 31. No 32. No		
30. 31. 32. 33.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment. ESAT Basement.  Siting/Construction/Major Modification of Waste Recovery, or TSD Facilities  Disturbance of Pre-existing Contamination  New or Modified Federal/State Permits  Public controversy  Action/involvement of Another Federal Agency (e.g. license, funding, approval)  Action of a State Agency in a State with NEPA-type law.	Yes/No 29. No be to the s in the 30. No 31. No 32. No 33. No		
30. 31. 32. 33. 34.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment. ESAT Basement.  Siting/Construction/Major Modification of Waste Recovery, or TSD Facilities  Disturbance of Pre-existing Contamination  New or Modified Federal/State Permits  Public controversy  Action/involvement of Another Federal Agency (e.g. license, funding, approval)  Action of a State Agency in a State with NEPA-type law. (Does the State Environmental Quality	Yes/No 29. No be to the s in the 30. No 31. No 32. No 33. No 34. No		
29. 30. 31. 32. 33. 34. 35.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment. ESAT Basement.  Siting/Construction/Major Modification of Waste Recovery, or TSD Facilities  Disturbance of Pre-existing Contamination  New or Modified Federal/State Permits  Public controversy  Action/involvement of Another Federal Agency (e.g. license, funding, approval)  Action of a State Agency in a State with NEPA-type law.	Yes/No 29. No be to the s in the 30. No 31. No 32. No 33. No 34. No 35. No		
30. 31. 32. 33. 34. 35.	A threatened violation of ES&H regulations/permit requirements  Work will be conducted in accordance with a JHA. Nitrogen venting will outside by the same pathway that had been used for previous experiment. ESAT Basement.  Siting/Construction/Major Modification of Waste Recovery, or TSD Facilities  Disturbance of Pre-existing Contamination New or Modified Federal/State Permits  Public controversy Action/involvement of Another Federal Agency (e.g. license, funding, approval)  Action of a State Agency in a State with NEPA-type law. (Does the State Environmental Quality Review Act Apply?)	Yes/No 29. No be to the s in the 30. No 31. No 32. No 33. No 34. No		

IV.	Section D Determination: Is the project/activity appropriate for a determination by the OM under Subpart D of the DOE NEPA Regulations for compliance with NEPA?					
	N/A					
	A. DOE-CH NEPA Coo	rdinator Review:	N/A			
	DOE-CH NEPA Coordinate	tor Reviewer: Alle	n Wrigley			
	Signature: N/A		Date:			
	B. DOE CH NCO NEPA Review: N/A					
	NCO Concurrence with Pro	oposed Class of A	ction Recommended			
	CX EA	EIS				
	Category					
	DOE CH NCO Reviewer:	Peter R. Siebach				
	Signature: N/A		Date:			
<u>DOE</u>	Recommendation Approv	als:				
CH PO	G: Jerry W. Faul	Signature:	N/A			
			Date:			
CH NO	CO: Peter R. Siebach	Signature:	N/A			
			Date:			
CH GL	D: Irene P. Atney	Signature:	N/A			
			Date:			
CH ES	HD: <u>Justin T. Zamirowski</u>	Signature:	N/A			
			Date:			
CH AM	IST: John P. Kennedy	Signature:				
			Date:			

Office Manager Subpart D CX Determination and Approval: The preceding pages are a record of documentation required under DOE Final NEPA Regulation, 10 CFR Part 1021.410, and SEN-15-90 to establish that an action may be categorically excluded from further NEPA review. I have determined that the proposed action meets the requirements for the Categorical Exclusion referenced above. Therefore, by my signature below, I have determined that the proposed action may be categorically				
mined that the pr	oposed action may be categorically			
Signature:	N/A			
	Date:			
	l of documentation  10, and SEN-15-90  1er NEPA review.  1r the Categorical limined that the prize and document	of documentation required under DOE Final NEPA 10, and SEN-15-90 to establish that an action may be ner NEPA review. I have determined that the proposed referenced above. Therefore mined that the proposed action may be categorically view and documentation.  Signature:  N/A		



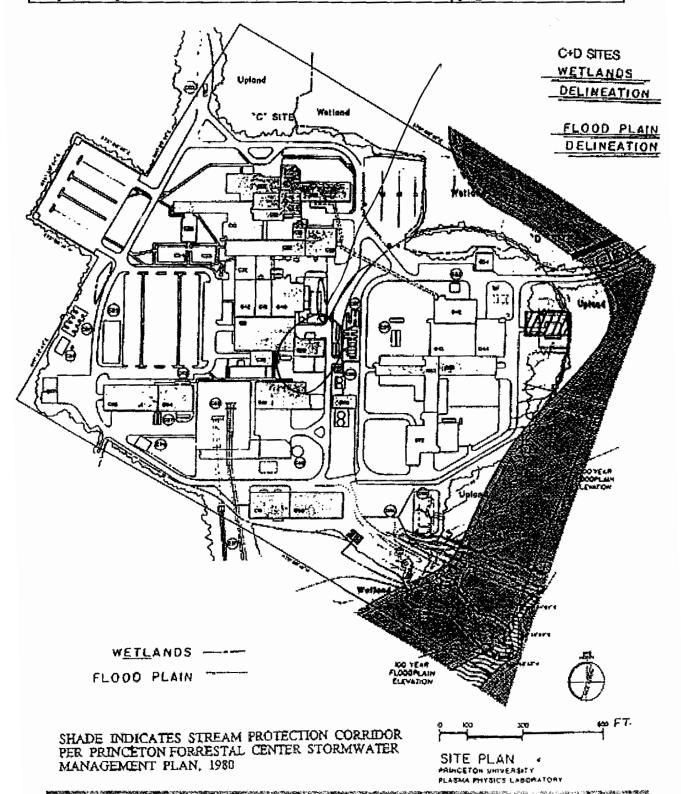
PPPL PRINCETON PLASMA PHYSICS LABORATORY

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No. ESH-014 Rev 4 Attachment 4

Map (Floodplains and Wetlands)

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