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ENVIRONMENTAL EVALUATION NOTIFICATION FORM

	ect/Activity Title: ITER Por			Lonar
	A Tracking No.:			th ORNL
Book	Code:	Total Esti	mated Cost:\$4M	
DO	Cognizant Secretarial Offic	cer (CSO): William F	. Brinkman	
Con	ractor Project Manager:	Sig	mature:	
	ractor Project Manager:	***	Date:	
				W.
Con	ractor NEPA Reviewer: Je	rry D. Levine		
			Date:	
T.	at the PPPL D-Site TFTR Tes PPTF, which is being fabricat approximate several ITER like temperature, would be applied elsewhere. Following testing	t Cell to support the ITER I ed clsewhere and shipped to e conditions. These conditi- to test the integrity of seve , these port plugs (which wi	ction would install a Port Plug experiment that is being construction of PPPL, is an experimental develons, which would include high ral ITER port plugs that are bell provide primary ultra high versions.	ucted in France. The ice that would pressure and ing manufactured acuum seals for
	site and installed on the ITER operation of the PPTF vacuum material handling systems and neutral beam boxes) may be m developed, and would likely it about 1,000 psi), port plug pre tightness tests (using helium), supplied to PPPL for testing a plugs would have pressure relimitigation system that would and a conceptual layout of the	experimental device. World systems, heating systems, associated controls. Some toved to accommodate the Include (but not necessarily lessure drop measurements, than the plug cooling circuit lear being fabricated in accorder systems that, if activated exhaust to an area outside the PPTF in the Test Cell are presented to the period of the		stallation and a systems, test tanks, it is tanks, it is tanks, it is would be tests with water (to enetration leak is that would be seel criteria. The port irect steam to a epicting the port plugs
11.	site and installed on the ITER operation of the PPTF vacuum material handling systems and neutral beam boxes) may be m developed, and would likely it about 1,000 psi), port plug pre tightness tests (using helium), supplied to PPPL for testing a plugs would have pressure relimitigation system that would a and a conceptual layout of the Description of Affected	experimental device. Work a systems, heating systems, associated controls. Some toved to accommodate the I relude (but not necessarily I resure drop measurements, t and plug cooling circuit lea re being fabricated in accom tef systems that, if activated exhaust to an area outside th PPTF in the Test Cell are p	c at PPPL would include the in cooling systems, pressurization existing equipment in the TFT PPTF equipment. Testing active be limited to) port plug pressur- hermal cycling, window and po- k checks. The port plug vesse- dance with ASME pressure ves- during PPTF testing, would di- te Test Cell. Several figures de-	stallation and a systems, test tanks, R Test Cell (e.g., ities would be the tests with water (to enetration leak lis that would be assel criteria. The port irect steam to a epicting the port plugs Site, mostly in the
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Class I Air Quality Control Region

Areas w/Special National Designation

Navigable Air Space

Coastal Zones

Floodplain

Special Sources of Groundwater (e.g. Sole Source Aquifer)

(e.g. National Forests, Parks, Trails)

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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)	13. No
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	16. No
17.	PCBs	17. No
18.	Import, Manufacture or Processing of Toxic Substances	18. No
19.	Chemical Storage/Use	19. Yes
	Helium gas would be used for leak checking activities.	
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.	Hazardous Waste	24, No
25.	Underground Storage Tanks	25. No
26.	Radioactive (AEA) Mixed Waste	26. No
	Radioactive Waste	27. No
27.	Radioactive waste	27.110
28.	Radiation Exposures ther Relevant Disclosures. Will the proposed action involve the	28. No
28. C. O	Radiation Exposures ther Relevant Disclosures. Will the proposed action involve the	28. No
28.	Radiation Exposures ther Relevant Disclosures. Will the proposed action involve the A threatened violation of ES&H regulations/permit	28. No e following? Yes/No
28. C. O	Radiation Exposures ther Relevant Disclosures. Will the proposed action involve the A threatened violation of ES&H regulations/permit requirements	28. No e following? Yes/No 29. No
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28. C. O 29. 30.	ther Relevant Disclosures. Will the proposed action involve the A threatened violation of ES&H regulations/permit requirements The requirements of 10CFR851 (as implemented under the DOE Worker Safety and Health Program) would be applied to work at proposed action. Siting/Construction/Major Modification of Waste Recovery, or TSD Facilities	28. No e following? Yes/No 29. No approved PPPL PPPL under this 30. No 31. No 32. No
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28. C. O 29. 30. 31. 32. 33.	ther Relevant Disclosures. Will the proposed action involve the A threatened violation of ES&H regulations/permit requirements The requirements of 10CFR851 (as implemented under the DOE Worker Safety and Health Program) would be applied to work at proposed action. 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	28. No e following? Yes/No 29. No approved PPPL PPPL under this 30. No 31. No 32. No 33. No
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28. 2. O 29. 30. 31. 32. 33. 34.	ther Relevant Disclosures. Will the proposed action involve the A threatened violation of ES&H regulations/permit requirements The requirements of 10CFR851 (as implemented under the DOE Worker Safety and Health Program) would be applied to work at proposed action. 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 (c.g. license, funding, approval) Action of a State Agency in a State with NEPA-type law. (Does the State Environmental Quality	28. No e following? Yes/No 29. No approved PPPL PPPL under this 30. No 31. No 32. No 33. No 34. No
28. 2. O 29. 30. 31. 32. 33. 34.	ther Relevant Disclosures. Will the proposed action involve the A threatened violation of ES&H regulations/permit requirements The requirements of 10CFR851 (as implemented under the DOE Worker Safety and Health Program) would be applied to work at proposed action. 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 (c.g. license, funding, approval) Action of a State Agency in a State with NEPA-type law.	28. No e following? Yes/No 29. No approved PPPL PPPL under this 30. No 31. No 32. No 33. No

IV. <u>Section D Determination</u>: 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: <u>B3.6 Siting/construction/operation/decommissioning of facilities for bench-scale research, conventional laboratory operations, small-scale research and development and pilot projects.</u>

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 <u>must not</u>:

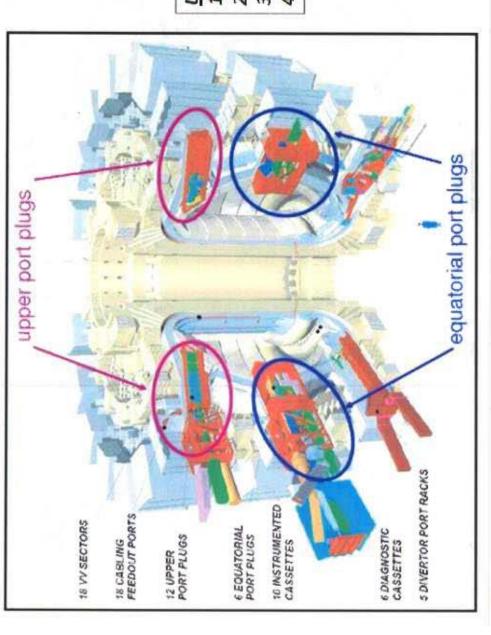
- 1) Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including DOE and/or Executive Orders;
- Require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities, but may include such categorically excluded facilities;
- 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.

SC GLD: Michael M. McCann Attorney-Advisor Date: 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 Steback Signature: Signature: Signature:

V.

DOE Recommendation Approval:

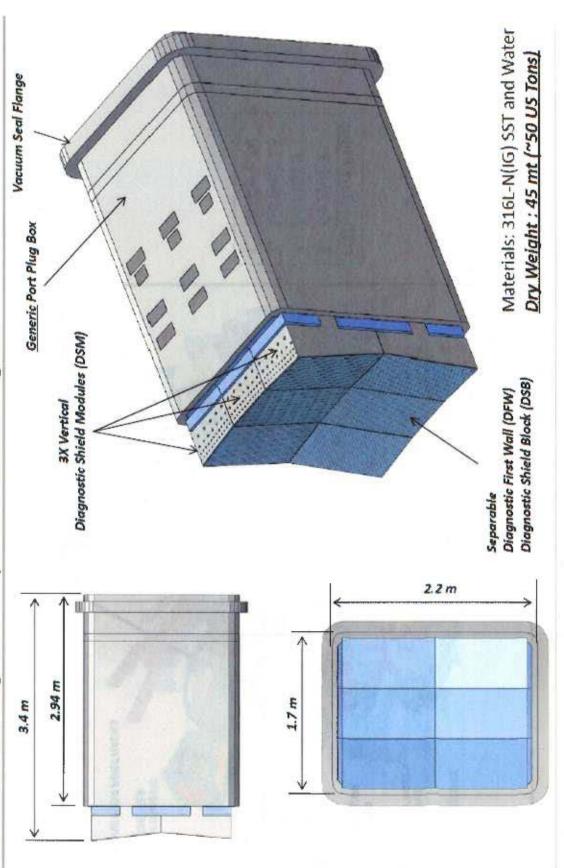
Diagnostic Ports and Port Plugs



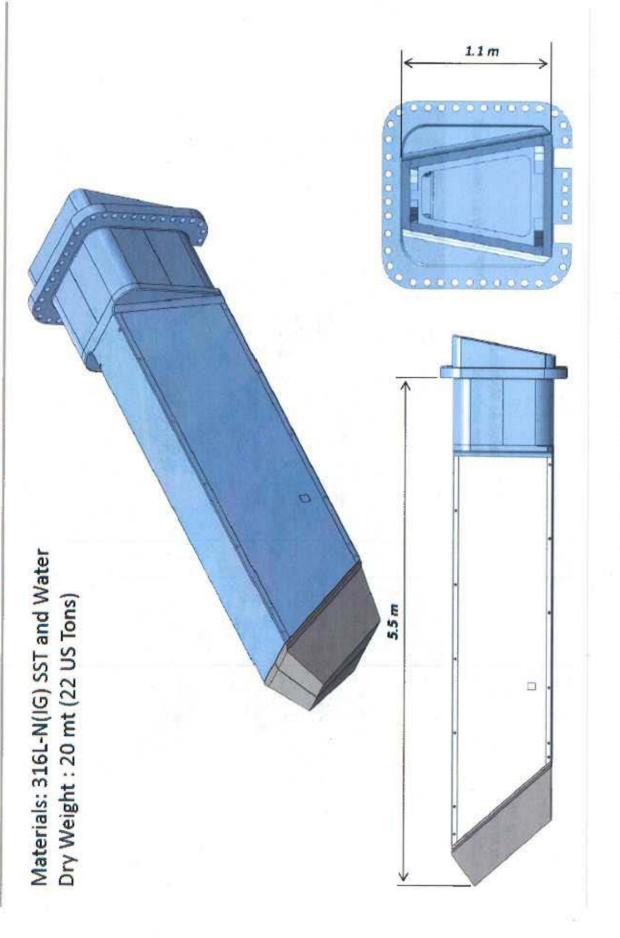
USDA Port Plugs

- 1. Eq Port 3
- Eq Port 9
 - . Up Port 14

The Generic Diagnostic Equatorial Port Plug



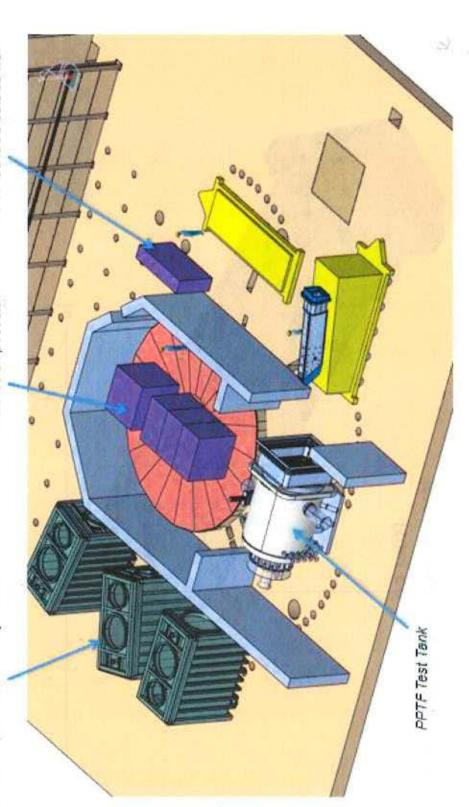
ITER Port Plug Test Facility (PPTF)



ITER Port Plug Test Facility (PPTF)

ITER Port Plug Test Facility: "Testing Cell" Layout Proposal for TFTR Test Cell

PPTF Controls outside wail PPTF Services Modules → Build PPTF safety barrier/wall/containment around raised pedestal Installed on pedestal. Remaining NB Boxes need to be moved As yet to be determined exactly where. Here shown pushed out of way for wall.



ITER Port Plug Test Facility (PPTF)