DISTRIBUTION SHEET

To	From	Page 1 of 1
Engineering Integration	Engineering Integration	Date 2/2/95
Project Title/Work Order		EDT No. 160157
Spent Nuclear Fuel/FFTF Transition		ECN No. N/A

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
RL					
R. A. Almquist	N2-36	X			
J. L. Daily	S7-41	X			
O. A. Farabee	R3-79	X			
G. D. Trenchard	S7-41	X			
WHC					
J. C. Fulton	R3-86	X			
E. W. Gerber	R3-86	X			
S. Guttenberg	N2-53	X			
D. C. Hedengren	R3-86	X			
R. L. McCormack	R3-86	X			
J. C. Midgett	N2-51	X			
M. J. Monthey	R3-86	X			
D. L. Nielsen	N2-53	X			
J. C. Womack	R3-86	X			
SNF-PF	N1-31	X			
OSTI (2)	L8-07	X			
Central Files (Orig. + 2)	L8-04	X			

5 dtd. 4
FEB 03 1995

ENGINEERING DATA TRANSMITTAL

1. EDT 160157

2. To: (Receiving Organization)	3. From: (Originating Organization)	4. Related EDT No.:
Engineering Integration	Engineering Integration	N/A
5. Proj./Prog./Dept./Div.:	6. Cog. Engr.:	7. Purchase Order No.:
Spent Nuclear Fuel/FFTF Transition	R. L. McCormack	N/A
8. Originator Remarks: This document provides the interface agreement between the Spent Nuclear Fuel (SNF) Project and the Fast Flux Test Facility (FFTF) Transition Project.		9. Equip./Component No.: N/A 10. System/Bldg./Facility: N/A
11. Receiver Remarks: None		12. Major Assm. Dwg. No.: N/A 13. Permit/Permit Application No.: N/A 14. Required Response Date: N/A

15. DATA TRANSMITTED

(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	(F) Approval Designator	(G) Reason for Transmittal	(H) Originator Disposition	(I) Receiver Disposition
1	WHC-SD-GN-ICD-~~001~~ 20001		0	Interface Agreement for Management of FFTF Spent Nuclear Fuel	N/A	1	1	1

16. KEY

Approval Designator (F)	Reason for Transmittal (G)	Disposition (H) & (I)
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)	1. Approval 4. Review 2. Release 5. Post-Review 3. Information 6. Dist. (Receipt Acknow. Required)	1. Approved 4. Reviewed no/comment 2. Approved w/comment 5. Reviewed w/comment 3. Disapproved w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)

(G) Reason	(H) Disp.	(J) Name (K) Signature (L) Date (M) MSIN	(J) Name (K) Signature (L) Date (M) MSIN	(G) Reason	(H) Disp.
1	1	Cog.Eng. R. L. McCormack RL McC 1/25/95 R3-86			
1	1	Cog. Mgr. ~~N/A~~ RL McC 1/25/95			
		QA N/A			
		Safety N/A			
		Env. N/A			
	1	SNFP Director: J. C. Fulton R3-85			
	1	FFTF Transition Director: J. C. [illegible] 51			

18.	19.	20.	21. DOE APPROVAL (if required) Ctrl. No.
RL McC R. L. McCormack Signature of EDT Originator — Date 1/25/95	RL McC R. L. McCormack Authorized Representative for Receiving Organization — Date 1/25/95	RL McC R. L. McCormack Cognizant Manager — Date 1/25/95	☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments

BD-7400-172-2 (04/94) GEF097

MASTER

BD-7400-172-1 (07/91)

RELEASE AUTHORIZATION

Document Number:	WHC-SD-GN-ICD-20001, REV 0
Document Title:	Interface Agreement for the Management of FFTF Spent Nuclear Fuel
Release Date:	2/3/95

This document was reviewed following the procedures described in WHC-CM-3-4 and is:

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:

Kara M. Broz — February 3, 1995

Kara M. Broz

SUPPORTING DOCUMENT

1. Total Pages 4

2. Title

Interface Agreement for the Management of FFTF Spent Nuclear Fuel

3. Number

WHC-SD-GN-ICD-~~001~~ 20001 2/8/95 BKH

4. Rev No.

0

5. Key Words

Spent Nuclear Fuel, Fast Flux Test Facility, Interface Agreement

6. Author

Name: R. L. McCormack

RL McCormack

Signature

Organization/Charge Code 2C200/L3201

7. Abstract

The Hanford Site Spent Nuclear Fuel (SNF) Project was formed to manage the SNF at Hanford. The mission of the Fast Flux Test Facility (FFTF) Transition Project is to place the facility in a radiologically and industrially safe shutdown condition for turnover to the Environmental Restoration Contractor (ERC) for subsequent D&D.

To satisfy both project missions, FFTF SNF must be removed from the FFTF and subsequently dispositioned. This document provides the interface agreement between FFTF Transition Project and SNF Project for management of the FFTF SNF.

8. RELEASE STAMP

OFFICIAL RELEASE BY WHC

DATE FEB 03 1995

Sta. 4

INTERFACE AGREEMENT FOR THE MANAGEMENT OF FFTF SPENT NUCLEAR FUEL

The Hanford Site Spent Nuclear Fuel (SNF) Project was formed to manage the SNF at Hanford. Specifically, "the mission of the SNF Project on the Hanford Site is to provide safe, economic, environmentally sound management of Hanford SNF in a manner which stages it for final disposition."

In December 1993, the U.S. Department of Energy (DOE) decided to shut down the Fast Flux Test Facility (FFTF) for eventual decontamination and decommissioning (D&D). The mission of the FFTF Transition Project is to place the facility in a radiologically and industrially safe shutdown condition for turnover to the Environmental Restoration Contractor (ERC) for subsequent D&D.

In response to this direction, plans have been made to move the FFTF SNF from sodium storage to dry cask storage. Current plans are for most of the FFTF SNF to be cleaned of residual sodium and placed into Interim Storage Casks (ISC) for above-ground dry cask storage at the Interim Storage Area located in the northeast corner of the FFTF complex.

A draft SNF Technical Baseline document has been issued to support and coincide with a Site Systems Engineering U.S. Department of Energy-Richland Operations Office (DOE-RL) milestone to baseline the Hanford Site System. The SNF Project mission, as stated above, fits within the Hanford Site-wide systems engineering functions:

- 4.1 - Deactivate Facilities, and
- 4.7 - Store, Treat, and Disposition of Special Nuclear Material/Nuclear Material/Nuclear Fuel.

Function 4.1 includes the safe and compliant operation of current, temporary storage of SNF and transfer and stabilization of the SNF during deactivation. The mission of FFTF is deactivation and not continued SNF storage. Function 4.7 includes the operation of the facilities that have a mission to receive, stabilize and/or store SNF in a safe and compliant manner. This function is to be consistent with the Department of Energy Programmatic SNF Management and Idaho National Engineering Laboratory Environmental Restoration/Waste Management Programs EIS (SNF and INEL EIS) Record of Decision.

Functions, requirements, and interfaces are being developed within the framework of systems engineering for the management of both complex-wide and Hanford SNF. Programmatic and technical requirements from DOE-HQ and the NEPA process are evolving for SNF management. In order to define and implement a path forward for the management of Hanford SNF, it is necessary to make assumptions about requirements which have not been established or, at a minimum, do nothing that would preclude future activities. This involves

moving forward with a certain amount of risk. With many of the requirements for management of SNF at Hanford originating from multiple sources, it is essential that close coordination and cooperation be maintained between the SNF Project and the facilities which are currently storing SNF. Interfaces between the SNF Project and these facilities are complex because the paths forward to interim storage need to be sensitive to the requirements associated with both the "4.1" and "4.7" functions.

In general, "4.1" functions for existing facilities and their SNF should be managed by organizations responsible for the current operation of these facilities. Also, in general, "4.7" functions should be managed by the SNF Project. The functions, requirements, interfaces, and alternatives for the management of FFTF fuel need to be formalized. An Interface Control Plan (ICP) will then be prepared. The ICP will address all of the interfaces identified which have been identified in the systems engineering documents. Programmatic and DOE interfaces and characterization data, including quality control and nuclear material control and accountability requirements are to be addressed in the ICP.

Because of the ongoing deactivation commitments and activities at FFTF, it is necessary to establish interface agreements between SNF Project and the FFTF Transition Project to ensure the success of a path forward for the management of FFTF SNF. These interface agreements will help ensure FFTF SNF management is consistent with the Hanford Site SNF Project mission and applicable SNF requirements. The management approving this agreement will each appoint a representative to organize and conduct at least monthly interface meetings. Funding for these interface activities and for the others who will serve on the interface committee is to be obtained by the respective management.

The following interface agreements are accepted by the SNF Project and the FFTF Transition Project:

- The FFTF Transition Project will maintain custody of the FFTF SNF at the FFTF complex until transfer of the FFTF to the Environmental Restoration Contractor. At that time, the SNF and ISC custody will be turned over to the SNF Project.

- The SNF Project will establish requirements for SNF management at the Hanford Site, including pre-interim and interim storage of FFTF SNF. Most requirements result from DOE guidance. The FFTF Transition Project will have review and approval authority for requirements affecting the FFTF Transition Project.

- Based on approved requirements for SNF management, the SNF Project will review FFTF Transition Project planning for placing SNF into ISCs and confirm the adequacy of current technical and programmatic directions or identify specific deficiencies in the current directions which require action. The review will also identify necessary support systems at FFTF to maintain safe

storage at the FFTF area after facility transfer to the Environmental Restoration Contractor and to enable subsequent SNF transfer to an alternate on-site location for interim storage. This action will be completed by February 28, 1995.

If the review indicates a need to modify the FFTF plans, as identified in the FFTF Transition Project Plan (WHC-SD-FF-SSP-004, Rev. 1), the SNF Project is responsible for obtaining FFTF Transition Project concurrence (and where appropriate, ERC concurrence) for the changes and obtaining funding for the changes. If necessary, the FFTF Transition Project is responsible for any modification to the FFTF Transition Plan, including obtaining requisite DOE approvals.

These actions will establish the reference baseline for turnover of the SNF.

- Prior to custody turnover to the SNF Project, all changes to the FFTF SNF storage location, storage environment, fuel condition, and other factors which are not currently identified in the FFTF Transition Project Plan and could affect the path forward for interim storage and final disposition will be pre-approved by both the FFTF Transition Project and the SNF Project. This includes approval of documents which authorize such changes.

- The funding of activities necessary for placement of the FFTF SNF in ISCs on the pad in compliance with DOE Orders and technical requirements of 10 CFR 72 will be obtained by the FFTF Transition Project.

- The SNF Project has responsibility for interface with the DOE Integrated SNF Program and the INEL EIS Project and transmittal of the DOE guidance and requirements affecting the FFTF Transition Project to the FFTF Transition Project.

- The storage of other than FFTF SNF (i.e., 308 Building TRIGA SNF and/or 324 Building SNF) in the FFTF area will be pre-approved by both the FFTF Transition Project and the SNF Project. Specific concurrence by the current custodians of this fuel shall be the responsibility of the SNF Project. Any additional SNF storage will be compatible with FFTF requirements. The SNF Project will be the custodian of other than FFTF SNF at the FFTF area and will be responsible for obtaining funding for management of the other than FFTF SNF at the FFTF area.

- The SNF Project has responsibility to establish an Interface Agreement with the Environmental Restoration Contractor for SNF Project's management of SNF stored at the FFTF area. This agreement is to be effective at the turnover of FFTF to the Environmental Restoration Contractor for D&D.

- Unresolved disputes which need resolution will be resolved with the help of higher level management.
- This interface document may be modified with the concurrence of both the FFTF Transition Project and SNF Project.

Approval:

J. C. Midgett, Director
FFTF Transition Project

J. C. Fulton, Director
Spent Nuclear Fuel Project