Sta #19 (15)
 MAY 5 2000

ENGINEERING DATA TRANSMITTAL

 Page 1 of 1
 1. EDT 629210

2. To: (Receiving Organization) K Basins Projects		3. From: (Originating Organization) CTFM Subproject		4. Related EDT No.: N/A							
5. Proj./Prog./Dept./Div.: SNF Project A.5/A.6 (Cask Transportation Facility Modification)		6. Design Authority/Design Agent/Cog. Engr.: K. E. Ard / D. L. Harris		7. Purchase Order No.: N/A							
8. Originator Remarks: This transmittal is to approve and release 105 KW Cask Transportation Facility Modification Acceptance for Beneficial Use checklist as required per SNF AP CS-6-019. Approval of this supporting document demonstrates agreement by the approvers as to documentation for the turnover of the 105 KW CLS/CTFM SSCs to K Basins Operations. USQ # K-00-0585				9. Equip./Component No.: N/A							
				10. System/Bldg./Facility: CTFM / K Basins / 105 KW							
				12. Major Assm. Dwg. No.: N/A							
11. Receiver Remarks: 11A. Design Baseline Document? ☐ Yes ☒ No				13. Permit/Permit Application No.: N/A							
				14. Required Response Date: 4/24/2000							
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	SNF-6241	N/A	0	105 K West Cask Transportation Facility Modification Acceptance for Beneficial Use Checklist - Project A.5/A.6	N/A	1,2	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 2. Release 3. Information 4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)			1. Approved 2. Approved w/comment 3. Disapproved w/comment 4. Reviewed no/comment 5. Reviewed 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	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
1	1	Design Authority	<i>KE Ard</i>	4-25-00	KE Ard X3-85	1	1	Startup	<i>RJ Bottenus</i>	5/3/00	RJ Bottenus H8-66
1	1	Lead Engineer	<i>LA Rodgers</i>	4/25/00	LA Rodgers X3-85	1	1	Training	<i>GL Eaton</i>	5/3/00	GL Eaton S2-45
1	1	Cog. Eng.	<i>DL Harris</i>	4/25/00	DL Harris X3-85	1	1	Procedures	<i>RD Hogue</i>	4/25/00	RD Hogue X3-86
1	1	Cog. Mgr.	<i>JL Weamer</i>	4/25/00	JL Weamer X3-85	1	2	Operations	<i>DE Bullock</i>	5/3/00	DE Bullock X3-76
1	1	QA	<i>K. Conrad</i>	4/25/00	K. Conrad X3-80	1	1	Engineering	<i>WA Frjer</i>	4/25/00	WA Frjer X4-01
1	1	Nuclear Safety	<i>RL Bilskis</i>	4/25/00	RL Bilskis X3-26	1	1	Maintenance	<i>RL Bilskis</i>	5/2/00	RL Bilskis X3-57
1	1	Env.	<i>DJ Watson</i>	4/25/00	DJ Watson X3-79	3		Project Files			X3-85
17. D. L. Harris <i>D. L. Harris</i> Signature of EDT Originator			18. J. L. Weamer <i>J. L. Weamer</i> Authorized Representative Date For Receiving Organization			19. K. E. Ard <i>KE Ard</i> Design Authority/ Cognizant Manager			20. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comment		

105 K WEST CASK TRANSPORTATION FACILITY MODIFICATION ACCEPTANCE FOR BENEFICIAL USE CHECKLIST – PROJECT A.5/A.6

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

Fluor Hanford
P.O. Box 1000
Richland, Washington

SNF-6241
Revision 0
EDT 629210

105 K WEST CASK TRANSPORTATION FACILITY MODIFICATION ACCEPTANCE FOR BENEFICIAL USE CHECKLIST – PROJECT A.5/A.6

D. L. Harris
Fluor Hanford

Date Published
April 2000

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

Fluor Hanford
P.O. Box 1000
Richland, Washington

Release Approval

5/5/00
Date

Release Stamp

MAY 5 2000		
DATE:		ID:
STA:		
#19		(15)

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Printed in the United States of America

Total Pages: ~~36~~ 33 (JKB 5/5/00)

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Charge Code: 105491
B&R Code: EW04J1110

Key Words: Acceptance for Beneficial Use (ABU), ABU Checklist, Cask Transportation Facility Modification (CTFM), Cask Loadout System (CLS), Multi-Canister Overpack (MCO) Loading System (MLS), Project A.5/A.6, Spent Nuclear Fuel (SNF), 105 K West (KW), KW Basin, turnover.

Abstract: The CTFM Subproject of the SNF Project has prepared an ABU checklist per SNF Administrative Procedure (AP) CS-6-019. This checklist identifies the essential documentation needed to operate and maintain the 105 KW CTFM/CLS Structures, Systems, and Components (SSCs) when ownership is transferred from the CTFM Subproject to K Basins Operations. Approval of this supporting document demonstrates an agreement by the approvers as to the documentation required at turnover.

ACRONYMS AND ABBREVIATIONS

ABU	Acceptance for Beneficial Use
AP	Administrative Procedure
CLS	Cask Loadout System
CTFM	Cask Transportation Facility Modification
CTS	Cask Transportation System
DA	Design Authority
DOE	U.S. Department of Energy
ECN	Engineering Change Notice
EDT	Engineering Data Transmittal
IP	Immersion Pail
IPSS	Immersion Pail Support Structure
K Basins	105 K East and 105 K West Basins
KE	K East
KW	K West
MCO	Multi Canister Overpack
MLS	Multi Canister Overpack Loading System
OIP	Operator Interface Platform
ORR	Operational Readiness Review
RA	Readiness Assessment
SD	Supporting Document
SNF	Spent Nuclear Fuel
SSC	Structure, System, and Component

1.0 BACKGROUND

The 105 K East (KE) and 105 K West (KW) basin facilities (K Basins) were constructed from 1953 to 1955. The K Basins' original purpose was to serve as collection, transfer, and storage area for spent nuclear fuel (SNF) elements discharged from the 105 KE and 105 KW reactors until the reactors were shut down. The 105 KW reactor was shutdown in February 1970 and the 105 KE reactor in February 1971. The K Basins, though idle, remained filled with water, and were later modified and brought back into service as storage and handling facilities for N Reactor SNF. The 105 KE Basin was returned to service in June 1975, and the 105 KW Basin was returned to service in February 1981. The transfer bay areas of 105 KE and 105 KW basins originally were designed to ship or receive SNF shielded in casks that were moved in and out of K Basins in water-filled railroad wellcars.

In 1994, the U.S. Department of Energy (DOE) formed the SNF project to move approximately 2,300 metric tons of irradiated SNF from 105 KE and 105 KW basins to the 200 East Area. As part of that effort, known as "path forward," a new SNF Cask Transportation System (CTS) was designed and manufactured to replace the old wellcars and SNF casks. A new Cask Loadout System (CLS), consisting of the Multi Canister Overpack (MCO) Loading System (MLS), Immersion Pail (IP), Immersion Pail Support Structure (IPSS), and Operator Interface Platform (OIP), was designed specifically for K Basins to perform SNF loadout operations. Existing structures, systems, and components (SSCs) in the 105 KE and 105 KW SNF transfer bays do not meet the requirements of the SNF mission and will require modification to allow interface with the new CLS and CTS. Project engineering responsibilities for these modifications and that of the CLS fall under the Cask Transportation Facility Modification (CTFM) Subproject.

The mission requirements, detailed by Systems Integration, are detailed in WHC-SD-SNF-SD-005, *Spent Nuclear Fuel Project Technical Baseline Description* (WHC 1996). The CTFM Subproject, identified as Project A.5/A.6, falls under function 4.1.1.8.3.3. This function provides the basis for upgrades and modifications to K Basins in preparation for removal of SNF. It states:

Prepare K Basins Facilities – Prepare the KE and KW Basin facilities for the retrieval and removal of SNF and sludge. Modify the facilities and provide the structures, systems and components needed to enable the retrieval, cleaning, reracking, loading and removal of the SNF, as well as the removal of sludge. This includes debris handling and water system support activities.

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Table 1-1 identifies the modifications and upgrades to the K Basins required to accommodate the necessary cask loadout operations that fall under the responsibility of the CTFM Subproject. Detailed information of these modifications and upgrades are located in HNF-SD-SNF-FRD-025, *Functions and Requirements for K Basins Cask Transportation Facility Modifications – Project A.5/A.6* (Ard 1999).

Table 1-1. Identification of CTFM Subproject Modifications and Upgrades.

Modifications and Upgrades
South Transfer Area General Preparations
South Loadout Pit
South Transfer Area Floor
Rollup Door No. 157
Windbreak Structure – Rollup Door No. 157
Equipment Laydown and Decontamination Area
Compressed Air System
Personnel Temperature Control Systems
MCO Loading System
Interior Security Alarm System
Fire Protection Conduit
Operator Interface Platform
Immersion Pail Support Structure
Immersion Pail
Water Delivery System
Helium Purge System
Sealant Injection System

2.0 PURPOSE AND SCOPE

2.1 PURPOSE

The purpose of this document is to identify the essential documentation needed to operate and maintain the 105 KW CLS/CTFM SSCs as part of the turnover process when ownership is transferred from the CTFM Subproject to K Basins Operations. Identifying the essential documentation and the individual/organization responsible for providing it, is part of the Acceptance for Beneficial Use (ABU) process required per SNF Administrative Procedure (AP) CS-6-019, *Acceptance for Beneficial Use Checklists – SSCs* (FDH AP 1999). The ABU process is followed to assure that the necessary activities, documentation, and associated processes are complete for a project before it is turned over for use. An agreement among the various disciplines and responsible individuals/organizations within the SNF project as to what is required is made early on to ensure the turnover of an SSC is complete and timely.

2.2 SCOPE

To accomplish the above, the CTFM Subproject is initiating the ABU process through the completion of the required checklists and issuance of this supporting document (SD) as directed per SNF-AP CS-6-019 (FDH AP 1999).

3.0 OFFICIAL TURNOVER OF CTFM SUBPROJECT ESSENTIAL DOCUMENTATION

The following outlines the official turnover of CTFM Subproject essential documentation following the ABU process.

3.1 ABU PROCESS

The turnover to K Basins Operations of essential documentation needed to operate and maintain the 105 KW CTFM/CLS SSCs will be performed with the aid of the ABU process as defined in SNF AP CS-06-019 (FDH AP 1999). The ABU process does not substitute for an Operational Readiness Review (ORR) or Readiness Assessment (RA) as defined by DOE Order 425.1A, *Startup and Restart of Nuclear Facilities* (DOE 1998), but rather supplements the requirements identified in Section 3.4, "Transition to Operation" of HNF-PRO-2000, *Construction Program Execution Phase* (FDH PRO 1999).

3.1.1 ABU Responsibility Matrix, ABU Checklist, and Work Package List

The CTFM Subproject initiated the ABU process by completing the ABU Responsibility Matrix (Appendix A) and ABU Checklist (Appendix B).

The ABU Responsibility Matrix in Appendix A indicates the individuals/organizations that are responsible for the preparation of – or for the provision of input to – the identified documentation required for K Basins Operations. The identified documentation within the matrix is organized by description and assigned an ABU document number. The CTFM Subproject does not bear the sole responsibility for the generation of all the items identified on the matrix. Rather, many items are outside the subproject's scope such that other SNF organizations are needed to prepare or perform them (e.g., Training, Procedures, Facility Engineering, Startup, etc.).

The ABU Checklist in Appendix B identifies the documentation deemed essential for turnover. Project documentation is identified by document number, revision, and title and placed under their respective categories/ABU document numbers to coincide with the ABU Responsibility Matrix discussed above. Additional information (i.e., completion date, As-Built information, drawing type, drawing/document location, etc.) has been included to assist K Basins Operations. Since the ABU Checklist is currently being updated as information becomes available, two columns (e.g., "Notes" and "Comments") have been included to assist in organization and traceability. These columns allow the CTFM Subproject flexibility to document details as they develop. Document descriptions/categories judged "Not Required" have been identified as such on both the ABU Responsibility Matrix and the ABU Checklist.

In addition, the CTFM Subproject compiled a list of 105 KW CLS/CTFM Work Packages (Appendix C) which contains additional reference materials that may prove to be beneficial to the K Basins Operation organization.

3.1.1.1 Approval of ABU Responsibility Matrix and Checklist

This SD, by virtue of all the approval signatures, documents an agreement among the various represented disciplines and organizations within the SNF project as to what is required in terms of installed components and documentation to achieve project closeout and turnover of ownership of the 105 KW CTFM construction project to K Basins Operations. The ABU Checklist presented in Appendix B identifies the documentation that the CTFM Subproject is required to identify and locate for future referencing by K Basins Operations.

3.1.2 Remaining ABU Process

For clarification of the remaining ABU evolution, the following sections identify the path forward as outlined per SNF AP CS-6-019 (FDH AP 1999).

3.1.2.1 Preparation and Approval of ABU Documentation

The CTFM Subproject will prepare and approve ABU documentation per Section 6.2 of SNF AP CS-6-019 (FDH AP 1999). All documents will be prepared, reviewed, and approved in accordance with Hanford Procedures and SNF APs. All 105 KW CTFM/CLS drawings, documents, engineering calculations, and other design media identified on the ABU Checklist will be identified by a unique identifying number (i.e., document number). All drawings will be identified within the revision box as directed in SNF-6103, *As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) – Project A.5/A.6*, Section 5.6, “Drawing Revision/Release” (Lane 2000).

3.1.2.2 Formal Turnover to K Basins Operations

Upon completion of all ABU documentation, the CTFM Subproject will follow the formal ABU turnover process as identified in Section 6.3 of SNF AP CS-6-019 (FDH AP 1999). This SD, including the appendices, will be revised, as appropriate, via an engineering change notice (ECN) and released as the official turnover SD.

If turnover is to occur prior to completing the revision of the ABU Checklist, the CTFM Subproject will generate a punchlist of open items. The punchlist is a list of documents or items identified in the ABU checklist that are not complete or available at the time of turnover from the CTFM Subproject to K Basins Operations (FDH AP 1999). The punchlist identifies open items remaining to be completed to finish the turnover process. The responsible individual/organization and the final completion due date will be identified for every open item. The CTFM Subproject shall follow the review and approval cycle for the turnover SD and punchlist, if deemed necessary, in accordance with Hanford Procedures and SNF APs.

Upon release of the turnover SD, the CTFM Subproject transfers responsibilities for engineering, operations, and maintenance of 105 KW CTFM/CLS SSCs to K Basins Operations. The K Basins Operations accepts the 105 KW CTFM/CLS project ABU and notifies DOE and SNF Project management of acceptance for operation. The K Basins Operations manager provides the CTFM Subproject Design Authority (DA) with the project objective quality evidence file and punchlist items with the schedule of completion.

3.1.2.3 Punchlist Closure

The CTFM Subproject DA tracks the punchlist to closure per Section 6.4 of SNF AP CS-6-019 (FDH AP 1999). Upon completion of all the open items, the CTFM Subproject DA shall revise the turnover SD by ECN to officially document the closure of all punchlist items.

4.0 CONCLUSION

The CTFM Subproject, as directed per SNF AP CS-6-019, *Acceptance for Beneficial Use Checklists – SSCs* (FDH AP 1999) has initiated the ABU process through the issuance of this SD. The ABU process is followed to assure that the necessary activities, documentation, and associated processes are complete for a project before it is turned over for use. This document identifies the essential documentation needed to operate and maintain the 105 KW CTFM/CLS SSCs when K Basins Operations takes ownership of the 105 KW CTFM project. The ABU Responsibility Matrix (Appendix A) and ABU Checklist (Appendix B) indicate the individuals/organizations that are responsible for the preparation of – or for the provision of input to - the identified documentation deemed essential for turnover. This SD, by virtue of all the approval signatures, documents the agreement among the responsible individuals/organizations. A list of 105 KW CLS/CTFM Work Packages (Appendix C) that contain additional reference materials that may prove beneficial for K Basins Operations has also been included.

The remaining ABU process, as required per SNF AP CS-6-019 (FDH AP 1999) and identified in Section 3.1.2, will be followed by the CTFM Subproject. The CTFM Subproject will present or identify the location of availability of all essential documentation pertaining to the 105 KW CLS/CTFM SSCs to K Basins Operations.

This SD will be revised and reissued, as needed, so that the most current version of the essential documentation referenced here will be maintained.

5.0 REFERENCES

- Ard, K. E., 1999, *Functions and Requirements for K Basins Cask Transportation Facility Modifications – Project A.5/A.6*, HNF-SD-SNF-FRD-025, Revision 3, Fluor Daniel Hanford, Richland, Washington.
- DOE, 1998, *Startup and Restart of Nuclear Facilities*, DOE Order 425.1A, U. S. Department of Energy Headquarters, Washington D.C.
- FDH AP, 1999, *Acceptance for Beneficial Use Checklists - SSCs*, Spent Nuclear Fuel Project, Administrative Procedure, Construction, CS-6-019-02, Fluor Hanford, Inc., Richland, Washington.
- FDH PRO, 1999, *Construction Program Execution Phase*, HNF-PRO-2000, Revision 0, Fluor Hanford, Inc., Richland, Washington.
- Lane, K. I., 2000, *As-Built Verification Plan for Cask Transportation Facility Modification (CTFM) – Project A.5/A.6*, SNF-6103, Revision 0, Fluor Hanford, Inc., Richland, Washington.
- WHC, 1996, *Spent Nuclear Fuel Project Technical Baseline Description*, WHC-SD-SNF-SD-005, Revision 1, Westinghouse Hanford Company, Richland, Washington.

APPENDIX A

ABU RESPONSIBILITY MATRIX

CONSISTING OF 2 PAGES
INCLUDING COVERSHEET

**APPENDIX A
ABU RESPONSIBILITY MATRIX**

**105KW Cask Loadout System (CLS) / Cask Transportation Facility Modification (CTFM)
Project A.5/A.6**

DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE			
DESCRIPTION	RESPONS.	DESCRIPTION	RESPONS.
ENGINEERING		ADP	
[1] Engineering Task Plan	Not Req'd	[35] Software Configuration Mgmt Plan	CTFM Subproject
[2] Activity Schedule	Not Req'd	[36] System Requirements Spec	CTFM Subproject
[3] Final Safety Analysis Report	R. L. Garrett	[37] Software Design Description	CTFM Subproject
[4] Interim Safety Basis - update	R. L. Garrett	[38] Software Validation/ Verification	CTFM Subproject
[5] Safety Assessment Document (SAD)	CTFM Subproject		
[6] Safety Equipment List	CTFM Subproject	[65] Miscellaneous Software Documentation	CTFM Subproject
[7] Operational Safety Requirements or update existing	Not Req'd		
[8] Operational Safety Document(s) or update existing	Not Req'd	TRAINING	
[9] Design Criteria	CTFM Subproject	[39] Training Plan	G. L. Eaton
[10] System Design Description	CTFM Subproject	[40] Training Manuals	G. L. Eaton
[11] Test Plan/Specifications	R. J. Bottenus	[41] Training to Operating Crews	G. L. Eaton
[12] Construction Acceptance Test (CAT) Records	R. J. Bottenus	[42] Training to Maintenance Crews	G. L. Eaton
[13] Pre-Operational Acceptance Test (PAT) Data Sheets/Reports and Final Test Reports	R. J. Bottenus	[43] Training Mock-Up	Not Req'd
[14] Environmental Impact Statement	D. J. Watson		
[15] Environmental Report	Not Req'd	OPERATIONS/MAINTENANCE	
[16] Environmental Permit	D. J. Watson	[44] Operating and Maintenance Manuals	CTFM Subproject
[17] Hazardous Waste Disposal Plan/Procedures	Not Req'd	[45] Operating Procedures	R. D. Hogue
[18] Solid Waste Disposal Plan/Procedure	Not Req'd	[46] Surveillance Procedures	R. D. Hogue
[19] Stress/Seismic Analysis	CTFM Subproject	[47] Calibration Procedures	R. D. Hogue
[20] Stress/Design Report	CTFM Subproject	[48] Preventative Maintenance Proc.	R. D. Hogue
[21] Design Specifications/Report	CTFM Subproject	[49] Repair/Maintenance Procedures	R. D. Hogue
[22] Equipment Specifications	CTFM Subproject	[50] Functional Check Procedures	R. D. Hogue
[23] Procurement Specifications	CTFM Subproject	[51] PM/S Datasheets	R. D. Hogue
[24] Construction Specification	CTFM Subproject	[61] Alarm Response Procedures	R. D. Hogue
[25] Essential Material Specifications	Not Req'd		
[26] Final Design Drawings	CTFM Subproject		
[27] Installation Drawings	CTFM Subproject		
[28] Installation Work Plan	CTFM Subproject	QUALITY ASSURANCE	
[29] As-built Drawings	CTFM Subproject	[52] Inspection Plan	J. I. Diehl
[30] Interface Control Documentation	CTFM Subproject	[53] QA Project Plan	J. I. Diehl
[31] IEFD Drawings	CTFM Subproject	[54] QA Program Plan	J. I. Diehl
[32] Piping and Instrumentation Drawings/Diagram (P&ID)	CTFM Subproject		
[33] Drawing Tree	R. Hernandez		
[34] Unincorporated Outstanding Project Generated ECNs	CTFM Subproject	PROCUREMENT	
		[55] Vendor Information Files	CTFM Subproject
[62] NEPA/SEPA	D. J. Watson	[56] Comprehensive Equip. List	CTFM Subproject
	CTFM Subproject	[57] Spare Parts List	CTFM Subproject
[63] Human Factors		[58] Spare Parts in Stock	CTFM Subproject
[64] Technical Manuals	CTFM Subproject	RADIOLOGICAL	
		[59] Dose Estimate Documentation	CTFM Subproject
		[60] ALARA Report	CTFM Subproject
See Attachment C for list of Work Packages			

APPENDIX B

ABU CHECKLIST

CONSISTING OF 16 PAGES
INCLUDING COVERSHEET

APPENDIX B
ABU CHECKLIST

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev	Drawing / Document Title	Document		Drawing		Complete/Incomplete and Projected Completion Date (If applicable)	Drawing / Document Location	Located in Project A.5/A.6? (Yes/No)	RMS Accession #	Notes	Responsible Party or Organization	ESC	Comments
ENGINEERING DOCUMENTS																
1	Engineering Task Plan (ETP)	Not Req'd												NA	NA	
2	Activity Schedule	Not Req'd												NA	NA	
3	Final Safety Analysis Report (FSAR)	WHC-SD-WM-SAR-062	4	K-Basins Safety Analysis Report	Rev 3L - Yes Rev 4 - No	Rev 4 - TBD	NA	NA	Incomplete Revise and Reissue	HDCS (K Basins)	No	-		R. L. Garrett	ALL	Version 3L - currently implemented Version 4 - anticipate issuance
4	Interim Safety Basis - update													R. L. Garrett	ALL	GET INFO
5	Safety Assessment Document (SAD)	HNF-2456	0	Cask Loadout System Safety Analysis Document	Yes	03/15/1999	NA	NA	Complete	HDCS	Yes	D199048520		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	DOE Letter 99-SFD-082		C. A. Hanson to R. D. Hanson, Subject: Contract NO. DE-AC06-96RL13200-Acceptance of the Safety Analysis Document (SAD) for the Cask Loadout System (CLS), HNF-2456	Yes	02/23/1999	NA	NA	Complete	HDCS	Yes	D199041074		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	FDH Letter FDH-99S2391		N. H. Williams to E. D. Sellers, Subject: Contract Number DE-AC06-96RL13200 - Response to the Safety Evaluation Report for the Cask Loadout System Safety Basis	Yes	04/08/1999	NA	NA	Complete	HDCS	Yes	D199074567		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	DOE Letter 99-SFD-128		J. M. Austenborg to R. D. Hanson, Subject: Contract NO. DE-AC06-96RL13200-Closure of Conditions of Approval from the Cask Loadout System (CLS) Safety Evaluation Report (SER)	Yes	05/13/1999	NA	NA	Complete	HDCS	?	D199100354		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	DOE Letter 99-SFD-160		P. G. Loscoe to R. D. Hanson, Subject: Contract NO. DE-AC06-96RL13200-Approval of Recommendation of an Alternative Approach for the Spent Nuclear Fuel (SNF) Project Cask Loadout System (CLS)	Yes	08/02/1999	NA	NA	Complete	HDCS	?	D199148578		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	FDH Letter FDH-99S5223		N. H. Williams to P. G. Loscoe, Subject: Contract Number DE-AC06-96RL13200 - Recommendation of an Alternative Approach for the Spent Nuclear Fuel Cask Loadout System	Yes	07/29/1999	NA	NA	Complete	HDCS (K Basins)	No	D199148469		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	FDH Letter FDH-99S6616		R. B. Wilkinson to P. G. Loscoe, Subject: Closure of the Cask Loadout System Conditions of Approval and Installation Plan for Remaining Cask Loadout System Equipment in K West	Yes	10/25/1999	NA	NA	Complete	HDCS	Yes	D8123721		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	DOE Letter 00-SFD-021		S. A. Sieracki to R. D. Hanson, Subject: Contract NO. DE-AC06-96RL13200 - Approval to Install the Remaining Cask Loadout System (CLS) Equipment in K-West (KW) Basin	Yes	11/15/1999	NA	NA	Complete	HDCS	?	NOT IN RMS		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	HNF-2201	0	Hazards and Operability Study for SNF Cask/MCO Loading System	Yes	03/10/1998	NA	NA	Complete	HDCS	Yes	D198049575		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	HNF-2173	0	Hazard/Safety Assessment Supporting Installation of MCO Loading System Equipment and Immersion Pail	Yes	03/10/1998	NA	NA	Complete	HDCS	Yes	D198049566		CTFM Subproject	ALL	
5	Safety Assessment Document (SAD)	SNF-4899	0	Cask Loadout System Cask Drop Closure Document	No	TBD	NA	NA	Incomplete - April, 2000 Revise and Reissue			-		CTFM Subproject	ALL	
6	Safety Equipment List (SEL)	HNF-SD-SNF-SEL-001	5	Safety Equipment List for K Basins	Rev 4 - Yes Rev 5 - No	Rev 5 - TBD	NA	NA	Incomplete Revise and Reissue	HDCS (K Basins)				CTFM Subproject	ALL	Revision #4 will change - currently not in SEL but will be.

APPENDIX B
ABU CHECKLIST

SNF-6241
Revision 0

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev	Drawing / Document Title	Document		Grading		Completion/Complete and Projected Completion Date (If applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RMS Allocation #	Notes	Responsible Person or Organization	Sec	Comments
					Completed (Yes/No)	Issue Date	Currently in Effect (Yes/No)	Type: E = Essential S = Support G = General								
7	Operational Safety Requirements or update existing	Not Req'd												NA	NA	
8	Operational Safety Document(s) or update existing	Not Req'd												NA	NA	
9	Design Criteria	HNF-SD-SNF-FRD-025	3	Functions and Requirements for K Basins Cask Transportation Facility Modifications - Project A.5/A.6	Yes	10/05/1999	NA	NA	Complete	HDCS	Yes	D8102658		CTFM Subproject	ALL	
9	Design Criteria	FDH Letter FDH-9857109	0	AC06-96RL13200-Approval of Functions and Requirements for Cask Loadout System	Yes	10/04/1999	NA	NA	Complete	HDCS	Yes	D8102245		CTFM Subproject	ALL	
9	Design Criteria	DOE Letter 00-SFO-018	0	S. A. Sieracki to R. D. Hanson, Subject: Contract NO. DE-AC06- 96RL13200 - Approval of Functions and Requirements for the Cask Loadout System	Yes	11/02/1999	NA	NA	Complete	HDCS (K Basins)	?	D8132194		CTFM Subproject	ALL	
10	System Design Description (SDD)	SNF-3946	0	Cask Loadout System - System Design Description	Rev 0 - Yes Rev 1 - No	Rev 0 - 01/29/1999 Rev 1 - TBD	NA	NA	Incomplete - 05/05/2000 Revise and Reissue	HDCS	Rev 0 - Yes	D159020642		CTFM Subproject	ALL	Needs to be revised and re-issued
11	Test Plan / Specifications	SNF-A.5/A.6-TS-001-1	0	CLS - Transport Trailer, Loadout Cask, and Associated Structures and Tools	Yes	05/13/1999	NA	NA	Complete	Startup Organization	No	-	Test Specification	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	SNF-A.5/A.6-TS-002	0	MCO Loading System	Yes	10/04/1999	NA	NA	Complete	Startup Organization	No	-	Test Specification	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3614	1	Pressure Indicator on Shuttle Air Supply	Yes	?	NA	NA	Complete	Startup Organization	No	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3618	0	Air Pressure Switch	Yes	?	NA	NA	Complete	Startup Organization	No	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3620	0	Solenoid Valves	Yes	?	NA	NA	Complete	Startup Organization	No	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3622	DRAFT	Load Cells	No	TBD	NA	NA	Incomplete - April, 2000 Revise and Reissue	-	-	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3623	1	Elementary Wiring Diagram	Yes	03/21/2000	NA	NA	Complete	Startup Organization	No	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3626	0	Power Supply, Servo, PS1	Yes	?	NA	NA	Complete	Startup Organization	No	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3632	0	Servo Motor and Resolver	Yes	?	NA	NA	Complete	Startup Organization	No	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3634	0	LVDT/Signal Conditioner (IC-08)	Yes	?	NA	NA	Complete	Startup Organization	No	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3637	DRAFT	LVDT/Signal Conditioner (IC-04)	No	TBD	NA	NA	Incomplete - April, 2000 Revise and Reissue	-	-	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3946	DRAFT	MLS Gantry Load Test	No	TBD	NA	NA	Incomplete - April, 2000 Revise and Reissue	-	-	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
11	Test Plan / Specifications	CLS (A.5/A.6)-002-3944	0	MLS CCTV System	Yes	03/21/2000	NA	NA	Complete	Startup Organization	No	-	Prerequisite Testing	R. J. Bottenus	MCO	per Kevin M. Jones
12	Construction Acceptance Tests (CAT) Records	CLS (A.5/A.6)-002-3615	0	Flow Control and Manual Lockout Valve	Yes	02/29/2000	NA	NA	Complete	Startup Organization	No	-		R. J. Bottenus	MCO	per Kevin M. Jones
12	Construction Acceptance Tests (CAT) Records	CLS (A.5/A.6)-002-3617	0	Poppet Check Valve	Yes	03/01/2000	NA	NA	Complete	Startup Organization	No	-		R. J. Bottenus	MCO	per Kevin M. Jones
12	Construction Acceptance Tests (CAT) Records	CLS (A.5/A.6)-002-3625	0	MLS Control Console Cabinet	Yes	03/02/2000	NA	NA	Complete	Startup Organization	No	-		R. J. Bottenus	MCO	per Kevin M. Jones
12	Construction Acceptance Tests (CAT) Records	CLS (A.5/A.6)-002-3631	0	Main Feeder Breaker, CB3, CB1	Yes	03/03/2000	NA	NA	Complete	Startup Organization	No	-		R. J. Bottenus	MCO	per Kevin M. Jones
12	Construction Acceptance Tests (CAT) Records	CLS (A.5/A.6)-002-3635	0	Power Cables	Yes	03/04/2000	NA	NA	Complete	Startup Organization	No	-		R. J. Bottenus	MCO	per Kevin M. Jones
12	Construction Acceptance Tests (CAT) Records	CLS (A.5/A.6)-002-3636	0	24V Instrument and Control Wire Runs	Yes	03/05/2000	NA	NA	Complete	Startup Organization	No	-		R. J. Bottenus	MCO	per Kevin M. Jones
12	Construction Acceptance Tests (CAT) Records	CLS (A.5/A.6)-002-3638	0	120V Instrument and Control Cables	Yes	03/06/2000	NA	NA	Complete	Startup Organization	No	-		R. J. Bottenus	MCO	per Kevin M. Jones

APPENDIX B
ABU CHECKLIST

SNF-6241
Revision 0

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev.	Drawing / Document Title	Document		Drawing		Completed/Incomplete and Projected Completion Date (If applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	Notes	Responsible Person or Organization	SSC	Comments
					Completed (Yes/No)	Issued Date	Currently Active (Yes/No)	Type E = Essential S = Support G = General							
13	Pre-Operational Acceptance Test (PAT) Data Sheets/Reports and Final Test Reports	SNF-A.5/A.6-PAT-001-3A	DRAFT d0	CLS - Transport Trailer, Loadout Cask, and Associated Structures and Tools	No	TBD	NA	NA	Incomplete - April, 2000 Revise and Reissue	-	-		R. J. Botenus	ALL	per Kevin M. Jones
13	Pre-Operational Acceptance Test (PAT) Data Sheets/Reports and Final Test Reports	SNF-A.5/A.6-PAT-002A	DRAFT B 0	MCO Loading System	No	TBD	NA	NA	Incomplete - April, 2000 Revise and Reissue	-	-		R. J. Botenus	MCO	per Kevin M. Jones
14	Environmental Impact Statement	DOE/EIS-0245D	DRAFT	Management of SNF from K Basins at the Hanford Site Richland WA	Yes	10/01/1995	NA	NA	Complete	HDCS (K Basins)	No		D. J. Watson	ALL	per Rick Gant
14	Environmental Impact Statement	DOE/EIS-0245SA1		Supplemental Analysis of Environmental Effects of Changes in DOE's Preferred Alternative for Management of Spent Nuclear Fuel from the K Basins at the Hanford Site, Richland, Washington	Yes	?	NA	NA	Complete	?	?		D. J. Watson	ALL	per Rick Gant
14	Environmental Impact Statement	960068406-SFD-064		Record of Decision for the Final Environmental Impact Statement (FEIS) on the Management of the SNF from the K Basins at the Hanford Site Richland WA [DOE-EIS-0245D]	Yes	03/04/1996	NA	NA	Complete	HDCS (K Basins)	No		D. J. Watson	ALL	per Rick Gant
15	Environmental Report	Not Req'd											NA	NA	
16	Environmental Permit	9850719/AIR 98-105	N/A	Modification to Notice of Construction approval letter from , Allen W. Conklin, Washington State Department of Health	Yes	01/22/1998	NA	NA	Complete	HDCS	Yes	WDCH APPROVAL OF RADIOACTIVE AIR EMISSIONS NOC: 105KW FUEL REMOVAL PAGE CHANGES - Ref: WAC-246-247-100, DOE-RL-97-28, AIR-97-206, AIR-97-706, 9850214, FDH-9760767AR3, DESH-9760767AR2, FDH-9769767AR1, FDH-9753740	D. J. Watson	ALL	Per Rick Gant 3/29/2000 e mail
16	Environmental Permit	9700339/AIR 97-706	N/A	NOC FOR FUEL REMOVAL FOR 105KW BASIN - Notice of Construction approval letter from , Allen W. Conklin, Washington State Department of Health	Yes	07/28/1997	NA	NA	Complete	HDCS	Yes		D. J. Watson	ALL	Per Rick Gant 3/29/2000 e mail
16	Environmental Permit	9700339/OAQ-107		RADIOACTIVE AIR EMISSIONS FOR NOC FOR 105KW BASIN DOE-RL-97-28 - Notice of Construction approval letter from Anita J. Frankel, US Environmental Protection Agency	Yes	07/17/1997	NA	NA	Complete	HDCS	Yes		D. J. Watson	ALL	Per Rick Gant 3/29/2000 e mail
16	Environmental Permit	Not Assigned	N/A	Modification to Notice of Construction approval letter from Anita J. Frankel, US Environmental Protection Agency	Yes	12/23/1997	NA	NA	Complete	HDCS (K Basins)	No	Need to provide copy to project files	D. J. Watson	ALL	Per Rick Gant 3/29/2000 e mail
16	Environmental Permit	DOE-RL-97-28	0	Radioactive Air Emissions Notice of Construction Fuel Removal for 105 KW Basin (4/10/97)	Yes	as amended and approved by DOH and EPA (currently 4/1/1997)	NA	NA	Complete	HDCS	Yes		D. J. Watson	ALL	Per Rick Gant 3/29/2000 e mail
16	Environmental Permit	DOE-RL-97-28	0A DRAFT	DOH RADIOACTIVE AIR EMISSIONS NOC APPROVAL FOR FUEL REMOVAL FOR 105KW BASIN & PAGE CHANGES (CONDITIONS & LIMITATIONS) [DRAFT REV 0A]	Yes	12/02/1997	NA	NA	Complete	HDCS	Yes		D. J. Watson	ALL	Per Rick Gant 3/29/2000 e mail
16	Environmental Permit	Process Standard 408	3	Environmental Safety Requirements - KW Basin	Yes	08/03/1999	NA	NA	Complete	K Basin Shared Drive	No	Controlled by Operations as a Process Standard	D. J. Watson	ALL	Per Rick Gant 3/29/2000 e mail
17	Hazardous Waste Disposal Plan/Procedures	Not Req'd											NA	NA	
18	Solid Waste Disposal Plan/Procedure	Not Req'd											NA	NA	
19	Stress/Seismic Analysis												CTFM Subproject		

APPENDIX B
ABU CHECKLIST

SNF-6241
Revision 0

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev	Drawing / Document Title	Document		Drawing		Completed (Yes/No)	Issue Date	Current As-Built (Yes/No)	Type E = Essential S = Support G = General	Completed/Complete and Projected Completion Date (If applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RMIS Accession #	Notes	Responsible Person or Organization	SSC	Comments
					Completed (Yes/No)	Issue Date	Current As-Built (Yes/No)	Type E = Essential S = Support G = General												
20	Stress/Design Report	HNF-3456	0	Structural Evaluation of Shuttle, Impact Limiter, and Transfer Channel Grating, South Loadout Pit, 105 KW and 105 KE	Yes	10/19/1998	NA	NA	Yes	Complete	HDCS	Yes	D198198463		CTFM Subproject	MCO				
20	Stress/Design Report	HNF-2052	0	Final Design Report, Structural Evaluation of the Gantry and Supporting Structure South Loadout Pit 105 K West and 105 K East	Yes	11/06/1998	NA	NA	Yes	Complete	HDCS	Yes	D198208454		CTFM Subproject	MCO				
20	Stress/Design Report	HNF-2360	0	Final Report on the MCO Loading System Grapple Drop Analysis	Yes	03/17/1998	NA	NA	Yes	Complete	HDCS	Yes	D198053873		CTFM Subproject	MCO				
20	Stress/Design Report	HNF-SD-SNF-CDR-010	0	Conceptual Design Report for the Hanford K East and K West MCO Loading System	Yes	02/11/1997	NA	NA	Yes	Complete	HDCS	NOT IN RMIS			CTFM Subproject	MCO				
20	Stress/Design Report	HNF-SD-SNF-DR-004	1A	Design Report for the MCO Loading System	Yes	01/09/1998	NA	NA	Yes	Complete	HDCS	Yes	D198007499		CTFM Subproject	MCO				
20	Stress/Design Report	HNF-SD-SNF-DRR-011	0	Design Review Report for the MCO Loading System	Yes	07/10/1997	NA	NA	Yes	Complete	HDCS	Yes	D197213233		CTFM Subproject	MCO				
20	Stress/Design Report	HNF-SD-SNF-FHA-001	1	Fire Hazard Analysis for the K Basins Facilities at 100K Area	Yes	02/10/2000	NA	NA	Yes	Complete	HDCS (K Basins)	No	D8209171 (Section 1) D8209177 (Section 2)		CTFM Subproject	ALL				
20	Stress/Design Report	SNF-4775	1	Evaluation of the Cask Transportation Facility Modifications (CTFM) Compliance to DOE Order 6430.1A	Rev 1 - Yes Rev 2 - No	Rev 1 - 07/14/1999	NA	NA	Incomplete - 04/26/2000 Revise and Reissue		HDCS	Yes (Rev 1)	D199136273 (Rev 1)		CTFM Subproject	ALL				
20	Stress/Design Report	HNF-SD-SNF-DA-025	0	Dead Weight Analysis of 105 K East Basin and 105 K West Basin South Loadout Pit Floor for MCO and Pail Structure Loading	Yes	08/11/1997	NA	NA	Complete		HDCS	Yes	D197257238		CTFM Subproject	IP/IPSS				
20	Stress/Design Report	SNF-5661	0	Survey and Assessment of Leak Mitigation Strategies for the K Basins South Loadout Pit	Yes	02/23/2000	NA	NA	Complete		HDCS	Yes	D8218968		CTFM Subproject	IP/IPSS				
21	Design Specifications/ Report	WHC-SD-SNF-DA-019	0	Preliminary Design Analysis Report for the TN-WHC Cask and Transportation System	Yes	05/21/1996	NA	NA	Complete		HDCS	Yes	D196106347		CTFM Subproject	IP/IPSS				
21	Design Specifications/ Report	WHC-SD-SNF-DRR-007	0	Preliminary Design and PDAR Comments for the TN-WHC Cask and Transportation System	Yes	05/21/1996	NA	NA	Complete		HDCS (K Basins)	No	D196103270		CTFM Subproject	IP/IPSS				
21	Design Specifications/ Report	HNF-SD-SNF-FDR-003	0	Design Analysis Report for the TN-WHC Cask and Transportation System	Rev 0 - Yes Rev 1 - No	Rev 0 - 02/13/1997	NA	NA	Incomplete - 05/05/2000 Revise and Reissue		HDCS	Yes	D197052947 (Rev 0)		CTFM Subproject	IP/IPSS				
21	Design Specifications/ Report	HNF-SD-SNF-DRCR-001	0	Final Design Review Summary Report for the TN-WHC Cask and Transportation System	Yes	01/17/1997	NA	NA	Complete		HDCS	Yes	D197014800		CTFM Subproject	IP/IPSS				
21	Design Specifications/ Report	SNF-4889	0	Cask/MCO Helium Purge System Concept Design Report	Yes	10/04/1999	NA	NA	Complete		HDCS	Yes	D8101823		CTFM Subproject	He Purge				
21	Design Specifications/ Report	SNF-5878	0	System Review of Safety Function Components for the Design of the Cask/MCO Helium Purge System	No	TBD	NA	NA	04/03/2000			-	-		CTFM Subproject	He Purge				
21	Design Specifications/ Report	SNF-6037	0	Spent Nuclear Fuel Project Cask/MCO Helium Purge System Design Review Completion Report - Project A.5/A.6	No	TBD	NA	NA	04/03/2000			-	-		CTFM Subproject	He Purge				
21	Design Specifications/ Report	SNF-6103	0	As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6	No	TBD	NA	NA	03/29/2000			-	-		CTFM Subproject	ALL				
22	Equipment Specifications														CTFM Subproject		GET INFO			

APPENDIX B
ABU CHECKLIST

SNF-6241
Revision 0

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev	Drawing / Document Title	Document		Drawing		Complete/Incomplete and Project Completion Date (if applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RMS Accession #	Notes	Responsible Person or Organization	SSC	Comments
					Completed (Yes/No)	Issue Date	Current As-Built (Yes/No)	Type E = Essential S = Support G = General								
23	Procurement Specifications	HNF-3407	0	Procurement Specification for 100K Shuttle Impact Absorber	Yes	10/27/1998	NA	NA	Complete	HDGS	Yes	D198202739		CTFM Subproject	MCO	
23	Procurement Specifications	WHC-S-0546	00	Performance Specification for SNF K East and K West MCO Loading System	Yes	04/23/1997	NA	NA	Complete	HDGS	Yes	D197144892		CTFM Subproject	MCO	
23	Procurement Specifications	EDT 625798	0	KW MCO Loading System Safety-Class Upgrade Packages K West Gantry CGI Upgrade Package	Yes	10/15/1998	NA	NA	Complete	Project Files	?	NOT IN RMIS		CTFM Subproject	MCO	
23	Procurement Specifications	EDT 625789	0	KW MCO Loading System Safety-Class Upgrade Packages K West Shuttles CGI Upgrade Package	Yes	11/10/1998	NA	NA	Complete	Project Files	?			CTFM Subproject	MCO	
23	Procurement Specifications	CGLA 5/A.6.0001	0	Engineering Evaluation of Commercial Grade Items (CGI) - Hilt Expansion Anchors	Yes	05/05/1999	NA	NA	Complete	TDC	?			CTFM Subproject	MCO	
23	Procurement Specifications	CGLA 5/A.6.0002	0	Non-Shrink Grout for Gantry Support Structure Baseplates	Rev 0 - Yes Rev 1 - No	Rev 0 = 01/04/2000	NA	NA	Incomplete Revise and Reissue	TDC	-	-		CTFM Subproject	MCO	
23	Procurement Specifications	HNF-SD-SNF-SOW-008	1	Statement of Work MCO Loading System Conceptual Design	Yes	11/15/1996	NA	NA	Complete	HDGS	Yes	D196226329		CTFM Subproject	MCO	
23	Procurement Specifications	HNF-SD-SNF-SOW-009	0	Statement of Work for MCO Loading System Final Design	Yes	01/09/1997	NA	NA	Complete	HDGS	Yes	D197095546		CTFM Subproject	MCO	
23	Procurement Specifications	HNF-SD-SNF-SOW-012	2	Statement of Work for Fabrication and Startup of the K East and K West MCO Loading System	Yes	03/10/1998	NA	NA	Complete	HDGS	Yes	D198049387		CTFM Subproject	MCO	
23	Procurement Specifications	WHC-S-0396	1	Specification for SNF Path Forward Cask and Transportation System	Yes	09/13/1995	NA	NA	Complete	HDGS	Yes	D199080544		CTFM Subproject	IP/PS	
23	Procurement Specifications	SNF-5258	0	Specification for immersion Pail Impact Liner Foam (maximum thickness crushable pad)	Yes	10/14/1999	NA	NA	Complete	HDGS	Yes	D8120420		CTFM Subproject	IP/PS	
23	Procurement Specifications	WHC-S-0494	0	Specification for Windbreak Shelters - KE and KW Basin: Vendor Information File #50033	Yes	11/18/1996	NA	NA	Complete	HDGS	Yes	D196223741		CTFM Subproject	Windbreak	
23	Procurement Specifications	CGLA 5/A.6.0003	1	Pressure Indicator for Cask/MCO	Rev 1 - Yes Rev 2 - No	Rev 1 - 02/01/2000	NA	NA	Incomplete Revise and Reissue	TDC	-	-		CTFM Subproject	He Purge	
23	Procurement Specifications	CGLA 5/A.6.0004	1	Pressure Transmitter for Cask/MCO	Rev 1 - Yes Rev 2 - No	Rev 1 - 02/09/2000	NA	NA	Incomplete Revise and Reissue	TDC	-	-		CTFM Subproject	He Purge	
23	Procurement Specifications	CGLA 5/A.6.0005	0	Rupture Disk for Cask/MCO	Rev 0 - Yes Rev 1 - No	Rev 0 - 02/08/2000	NA	NA	Incomplete Revise and Reissue	TDC	-	-		CTFM Subproject	He Purge	
24	Construction Specifications													CTFM Subproject		GET INFO
25	Essential Material Specifications	Not Req'd												NA		
26	Final Design Drawings	H-1-84494	0	K Basin Loadout Pit and MCO Loading Equipment Sheet 1: Interface Control Sheet 2: Interface Arrangement Sheet 3: Interface Arrangement	No	TBD	No	G	Incomplete Revise and Reissue				KW Shuttle - IC Drawing As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-000
26	Final Design Drawings	H-1-84032	0	K-Basin Loadout Pit & MCO Loading Equipment Installatio	No	TBD	No	S	Incomplete Revise and Reissue				KW Shuttle - Installation Drawings As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-101
26	Final Design Drawings	H-1-84352	0	Spent Nuclear Fuel Projects Shuttle Assembly MCO Loading System	No	TBD	No	S	Incomplete Revise and Reissue	HDGS			KW Shuttle - Shuttle Assembly As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-300
26	Final Design Drawings	H-1-84353	2	Spent Nuclear Fuel Projects Cart Assy	No	TBD	No	G	Incomplete Revise and Reissue	HDGS			KW Shuttle - Cart Assembly As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-301

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)

Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev	Drawing / Document Title	Document		Drawing		Complete/Incomplete and Projected Completion Date (If applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RAIS Accession #	Notes	Responsible Person or Organization	RSSC	Comments
					Completed (Yes/No)	Issue Date	Currently As-Built (Yes/No)	Type: E = Essential S = Support G = General								
26	Final Design Drawings	H-1-84354	0	Spent Nuclear Fuel Projects Cart Weldment	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			KW Shuttle - Cart Weldment As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-302
26	Final Design Drawings	H-1-84355	0	Spent Nuclear Fuel Projects Wedge Assembly	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			KW Shuttle - Cart Weldment As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-303
26	Final Design Drawings	H-1-84356	0	Spent Nuclear Fuel Projects Rails and Support	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Shuttle - Rails and Support As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-304
26	Final Design Drawings	H-1-84357	0	Spent Nuclear Fuel Projects Cable Mount-Cylinder	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Shuttle - Cable Mount-Cylinder As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-305
26	Final Design Drawings	H-1-84358	0	Spent Nuclear Fuel Projects Seismic Restraint	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Shuttle - Seismic Restraint As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-306
26	Final Design Drawings	H-1-84359	0	Spent Nuclear Fuel Projects Cable Return	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			KW Shuttle - Cable Return As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-307
26	Final Design Drawings	H-1-84360	0	Spent Nuclear Fuel Projects Cable Return	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			KW Shuttle - Cable Return As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-308
26	Final Design Drawings	H-1-84361	0	Spent Nuclear Fuel Projects Upper Mounts	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Shuttle - Upper Mounts As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-309
26	Final Design Drawings	H-1-84362	0	Spent Nuclear Fuel Projects Upper Mounts	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Shuttle - Upper Mounts As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-310
26	Final Design Drawings	H-1-84363	0	Spent Nuclear Fuel Projects Return Pulley Assy	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			KW Shuttle - Return Pulley Assy As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-311
26	Final Design Drawings	H-1-84713	0	MCO Loading System Dwg List, Legend & Notes	No	TBD	No	G	Incomplete Revise and Reissue				KW Shuttle - PLC Logic - Legend As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	
26	Final Design Drawings	H-1-84714	0	MCO Loading System Flow Diagram	No	TBD	No	G	Incomplete Revise and Reissue				KW Shuttle - PLC Logic Flow Diagram As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	
26	Final Design Drawings	H-1-84716	0	SNF Project Impact Limiter SLOP Plan and Sections	No	TBD	No	S	Incomplete Revise and Reissue				KW Shuttle - Shuttle Impact Limiter Fabrication and Installation As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	ECN 655704 against H-1-21120

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)

Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev.	Drawing / Document Title	Document		Drawing		Completed (Yes/No)	Issue Date	Currently As-Built (Yes/No)	Type E = Essential S = Support G = General	Complete/Incomplete and Projected Completion Date (if applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RHS Accession #	Notes	Responsible Person or Organization	SSC	Comments
					Completed (Yes/No)	Issue Date	Current (Yes/No)	Type												
26	Final Design Drawings	H-1-84844	0	KW Shuttle - Transfer Channel Grating	No	TBD	TBD		No	TBD			Incomplete Revise and Reissue				KW Shuttle - Transfer Channel Grating	CTFM Subproject	MCO	
26	Final Design Drawings	H-1-84370	0	Gantry Assembly MCO Loading System	No	TBD	No	S	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Gantry - Gantry Assembly	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-200
26	Final Design Drawings	H-1-84371	0	Grapple Subassembly MCO Loading System	No	TBD	No	S	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Gantry - Grapple Subassembly	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-201
26	Final Design Drawings	H-1-84372	0	Drive Screw MCO Loading System	No	TBD	No	S	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Gantry - Drive Screw	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-210
26	Final Design Drawings	H-1-84373	0	Guide Subassembly MCO Loading System	No	TBD	No	S	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-211
26	Final Design Drawings	H-1-84374	0	Mast Weldment MCO Loading System	No	TBD	No	S	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Gantry - Mast Weldment	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-215
26	Final Design Drawings	H-1-84375	0	Miscellaneous Components Mast Weldment MCO Loading System	No	TBD	No	S	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Gantry - Misc. Components	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-217
26	Final Design Drawings	H-1-84376	0	Rail Subassembly MCO Loading System	No	TBD	No	S	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-220
26	Final Design Drawings	H-1-84377	0	Bridge Drive Subassembly MCO Loading System	No	TBD	No	S	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			KW Gantry - Bridge Drive Subassy	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-225
26	Final Design Drawings	H-1-84378	0	Drive Subassembly MCO Loading System	No	TBD	No	S	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401-232
26	Final Design Drawings	H-1-84380	1	Control Station, Power Schematic, MCO Loading Station	No	Rev. 1 - 4/4/2000	No	E	No	Rev. 1 - 4/4/2000	No	E	Incomplete Revise and Reissue	HDCS			KW Electrical - Ctrl Stn. Power Schem.	CTFM Subproject	MCO	VI 50043 Dwg Ref 401W-400
26	Final Design Drawings	H-1-84381	1	Control Station, Cabinet Assembly MCO Loading Station	No	Rev. 1 - 4/4/2000	No	G	No	Rev. 1 - 4/4/2000	No	G	Incomplete Revise and Reissue	HDCS			KW Electrical - Ctrl Stn. Cabinet Assy	CTFM Subproject	MCO	VI 50043 Dwg Ref 401W-401
26	Final Design Drawings	H-1-84382	1	Control Station, Cabinet Wiring Diagram MCO Loading Station	No	Rev. 1 - 4/4/2000	No	S	No	Rev. 1 - 4/4/2000	No	S	Incomplete Revise and Reissue	HDCS			KW Electrical - Ctrl Stn. Wiring Diagram	CTFM Subproject	MCO	VI 50043 Dwg Ref 401W-402

APPENDIX B
ABU CHECKLIST

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev	Drawing / Document Title	Document			Drawing		Completed (Yes/No)	Issue Date	Currently As-Built (Yes/No)	Type E = Essential S = Support G = General	Complete/Incomplete and Projected Completion Date (If applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RMS Accession #	Notes	Responsible Person or Organization	SSC	Comments
					Completed (Yes/No)	Issue Date	Currently As-Built (Yes/No)	Type E = Essential S = Support G = General	Projected Completion Date (If applicable)												
26	Final Design Drawings	H-1-84384	1	Control System Field Junction Box Assy MCO Loading Station	No	Rev. 1 - 4/4/2000	No	G	Incomplete Revise and Reissue						HDCS			KW Electrical - Ctrl Sys J-Box Assy As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401W-404
26	Final Design Drawings	H-1-84385	1	CCTV Basin Viewing Station Cabinet Assy MCO Loading Station	No	Rev. 1 - 4/4/2000	No	G	Incomplete Revise and Reissue						HDCS			KW Electrical - CCTV Basin Cab. Assy As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401W-405
26	Final Design Drawings	H-1-84386	1	CCTV Remote Viewing Station Cabinet Assy MCO Loading Station	No	Rev. 1 - 4/4/2000	No	G	Incomplete Revise and Reissue						HDCS			KW Electrical - CCTV Basin Cab. Assy As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401W-406
26	Final Design Drawings	H-1-84387	1	CCTV Field Wiring Diagram MCO Loading Station	No	Rev. 1 - 4/4/2000	No	S	Incomplete Revise and Reissue						HDCS			KW Electrical - CCTV Wiring Diagram As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	VI 50043 Dwg Ref 401W-408
26	Final Design Drawings	H-1-84159	0	Electrical CTFM - MLS Block Diagram	No	Rev. 0 - 4/5/2000	No	G	Incomplete Revise and Reissue									KW Electrical - Block Diagram As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	
26	Final Design Drawings	H-1-84160	0	Electrical CTFM - MLS Field Wiring Diagram	No	Rev. 0 - 4/5/2000	No	S	Incomplete Revise and Reissue									KW Electrical - Connection Diagram As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	
26	Final Design Drawings	H-1-84161	0	Electrical CTFM Sheet 1: MLS Conduit & Cable Sched Sheet 2: MLS Cable & Wire Sched	No	Rev. 0 - 4/5/2000	No	S	Incomplete Revise and Reissue									KW Electrical - MLS Conduit & Cable Schedule (Sheet 1) and MLS Cable & Wire Sched (Sheet 2) As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	
26	Final Design Drawings			Electrical Plans Sheet 1: CTFM MLS Notes and B/M Sheet 2: Partial Floor Plan Sheet 3: CTFM MLS Sections Sheet 4: CTFM MLS Sections Sheet 5: CTFM MLS Sections Sheet 6: CTFM MLS Track Assemblies Sheet 7: CTFM MLS Track Assemblies	No	Rev. 0 - 4/5/2000	No	Sheet 1: S Sheet 2: S Sheet 3: S Sheet 4: S Sheet 5: S Sheet 6: G Sheet 7: G	Incomplete Revise and Reissue									KW Electrical - Plans, Sections, Assy's As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	
26	Final Design Drawings	H-1-84440	0	Gantry Test Weight Sheet 1: Assembly Sheet 2: Details Sheet 3: Details	No	TBD	No	Sheet 1: G Sheet 2: G Sheet 3: G	Incomplete Revise and Reissue						HDCS			KW Gantry - Gantry Test Weight As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	
26	Final Design Drawings	H-1-83960	4	Lifting Devices South Load-Out Pit Bridge Gantry & Shuttle	No	TBD	No	G	Incomplete Revise and Reissue						HDCS			KW Gantry - Spreader Bars (installation only) As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	
26	Final Design Drawings	H-1-84030	1	Gantry Support Stand Sheet 1: Assembly Sheet 2: Sections and Details	No	TBD	No	G	Incomplete Revise and Reissue						HDCS			KW Gantry - Gantry Support Stand (installation only) As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	
26	Final Design Drawings	H-1-84031	1	Grapple Support Stand South Load-Out Pit Plan and Details	No	TBD	No	G	Incomplete Revise and Reissue						HDCS			KW Gantry - Grapple Support Stand (installation only) As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	MCO	

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev.	Drawing / Document Title	Document			Drawing		Completion (Yes/No)	Drawing / Document Location	RHMIS Accession #	Notes	Responsible Person or Organization	SSC	Comments
					Completed (Yes/No)	Issue Date	Currently As-Built (Yes/No)	Type E = Essential S = Support G = General	Projected Completion Date (if applicable)							
25	Final Design Drawings	H-1-84450	0	Altered Item Immersion Pail IFC South Load-Out Pit	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			Installation Drawing - Installation Drawing	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 457-108
26	Final Design Drawings	H-1-84035	0	Positioning Jack Special Sheet 1: Tooling Parts List Sheet 2: Tooling Fabrication Drawing Sheet 3: Tooling Fabrication Drawing Sheet 4: Tooling Fabrication Drawing Sheet 5: Tooling Alignment Tool Sheet 6: Tooling Fabrication Drawing Sheet 7: Tooling Fabrication Drawing	No	TBD	No	Sheet 1: S Sheet 2: S Sheet 3: S Sheet 4: S Sheet 5: S Sheet 6: S Sheet 7: G	Incomplete Revise and Reissue	HDCS			Alignment Hardware - Positioning Jacks As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 457-100
26	Final Design Drawings	H-1-83771	0	K Basin Support Structure Positioning Jacks Installation	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			Alignment Hardware - Positioning Jacks Installation As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	
26	Final Design Drawings	H-1-84057	0	K Basin Transport Cask Immersion Pail	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			Immersion Pail - Immersion Pail As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 457-101
26	Final Design Drawings	H-1-84379	0	K Basin Immersion Pail Transport Cask Assembly & Section	No	TBD	No	S	Incomplete Revise and Reissue				Immersion Pail - Immersion Pail Assembly As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 457-104
26	Final Design Drawings	H-1-81553	0	Spent Nuclear Fuel Projects Support Structure Assy Immersion Pail	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			Immersion Pail Support Structure - IPSS Assembly As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 457-110
26	Final Design Drawings	H-1-81545	0	Spent Nuclear Fuel Project Immersion Pail Support Structure	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			Immersion Pail Support Structure - IPSS As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 457-102
26	Final Design Drawings	H-1-81552	0	Spent Nuclear Fuel Project Lock Pin Assy Immersion Pail	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			Immersion Pail Support Structure - IP Lock Pin Assembly As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 457-109
26	Final Design Drawings	H-1-84495	0	Spent Nuclear Fuel Projects Retainer/Shield Plug Guide Immersion Pail	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			IP/IPSS Ancillary/Support Equipment - Shield Plug Guide As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 401-113
26	Final Design Drawings	H-1-81550	0	Spent Nuclear Fuel Projects Rigging Immersion Pail	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			IP/IPSS Ancillary/Support Equipment - IP Rigging As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 457-107
26	Final Design Drawings	H-1-81554 (labels only)	0	Spent Nuclear Fuel Projects Support Equipment Immersion Pail	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			IP/IPSS Ancillary/Support Equipment - IP Support Equipment As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/IPSS	VI 50021 Dwg Ref 457-111

APPENDIX B
ABU CHECKLIST

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev.	Drawing / Document Title	Document		Drawing		Completed (Yes/No)	Issue Date	Currently As-Built (Yes/No)	Type E = Essential S = Support G = General	Complete/Incomplete and Projected Completion Date (If applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RAIS Accession #	Notes	Responsible Person or Organization	SSC	Comments
					Completed (Yes/No)	Issue Date	Type E = Essential S = Support G = General	Currently As-Built (Yes/No)												
26	Final Design Drawings	H-1-84453	0	Rail Bracket Assembly, Immersion Pail Support	No	TBD	S	No	No	TBD	No	S	Incomplete Revise and Reissue	HDCS			IPSS Rail Brackets	CTFM Subproject	IP/PPSS	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-84489	0	K Basin Immersion Pail Seal Water Level Controller Installation	No	TBD	Sheet 1: S Sheet 2: G	No	No	TBD	No	Sheet 1: S Sheet 2: G	Incomplete Revise and Reissue				IP/PPSS Ancillary/Support Equipment - IP Level Controller	CTFM Subproject	IP/PPSS	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-84726	0	Spent Nuclear Fuel Projects IP Lift Beam Assembly	No	TBD	G	No	No	TBD	No	G	Incomplete Revise and Reissue				IP/PPSS Ancillary/Support Equipment - New Lift Beam Assembly	CTFM Subproject	IP/PPSS	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-84728	0	Spent Nuclear Fuel Projects Lift Beam (Pail Installation) Assembly	No	TBD	G	No	No	TBD	No	G	Incomplete Revise and Reissue				IP/PPSS Ancillary/Support Equipment - IP Lift Beam (Installation only)	CTFM Subproject	IP/PPSS	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-83880	0	Ops Interface Manual Tool Holder	No	TBD	G	No	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			Operator Interface Platform - DIP Tool Holder	CTFM Subproject	Operator Platform	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-83881	0	Ops Interface Work Platform South Loadout Pit	No	TBD	G	No	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			Operator Interface Platform - KW OJP	CTFM Subproject	Operator Platform	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-83875	0	K Basin Immersion Pail Fuel Basket Guide Table	No	TBD	G	No	No	TBD	No	G	Incomplete Revise and Reissue				KW Equipment Fixture Tables - Fuel Basket Guide	CTFM Subproject	Equip Laydown Area	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-83876	0	K Basin Immersion Pail Seal Lid Table	No	TBD	G	No	No	TBD	No	G	Incomplete Revise and Reissue				KW Equipment Fixture Tables - Seal Lid	CTFM Subproject	Equip Laydown Area	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-83877	0	K Basin Immersion Pail Lift Beam Assembly Cradle	No	TBD	G	No	No	TBD	No	G	Incomplete Revise and Reissue				KW Equipment Fixture Tables - Lift Beam Assembly	CTFM Subproject	Equip Laydown Area	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-83878	0	MCO Shield Plug Handling Tool Table	No	TBD	G	No	No	TBD	No	G	Incomplete Revise and Reissue				KW Equipment Fixture Tables - Handling Tool	CTFM Subproject	Equip Laydown Area	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-82085	0	Gen Arrangement Transfer Area Plan	No	TBD	G	No	No	TBD	No	G	Incomplete Revise and Reissue	HDCS			KW Equipment Fixture Tables - General Arrangement Tool Laydown	CTFM Subproject	Equip Laydown Area	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)
26	Final Design Drawings	H-1-84491	0	He Purge System Plan and Notes	No	TBD	Sheet 1: G Sheet 2: S	No	No	TBD	No	Sheet 1: G Sheet 2: S	Incomplete Revise and Reissue				KW Helium Purge - He Purge System Plan and Notes	CTFM Subproject	He Purge	As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)

APPENDIX B
ABU CHECKLIST

SNF-6241
Revision 0

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev.	Document			Drawing			Completed (Yes/No)	Issue Date	Currently As-Built (Yes/No)	Type E = Essential S = Support G = General	Complete/Incomplete and Projected Completion Date (if applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RMS Accession #	Notes	Responsible Person or Organization	SSC	Comments
				Completed (Yes/No)	Issue Date		Currently As-Built (Yes/No)	Type E = Essential S = Support G = General													
26	Final Design Drawings	H-1-84492	0	No	TBD		No	S		No	TBD	No	S	Incomplete Revise and Reissue				KW Helium Purge - He Purge System Isometric As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	He Purge	
26	Final Design Drawings	H-1-84493	0	No	TBD		No	G		No	TBD	No	G	Incomplete Revise and Reissue				KW Helium Purge - He Purge System Gas Bottle Rack Assembly As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	He Purge	
26	Final Design Drawings	H-1-84725	0	No	TBD		No	S		No	TBD	No	S	Incomplete Revise and Reissue				KW Helium Purge - He Purge System HEPA Assembly As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	He Purge	
26	Final Design Drawings	H-1-84634	0	No	TBD		No	S		No	TBD	No	S	Incomplete Revise and Reissue				KW Helium Purge - He Purge Installation Details As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	He Purge	
26	Final Design Drawings	H-1-84451	0	No	TBD		No	G		No	TBD	No	G	Incomplete Revise and Reissue				KW Altered Item - IPS Sections As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/PPSS	
26	Final Design Drawings	H-1-81546	0	No	TBD		No	S		No	TBD	No	S	Incomplete Revise and Reissue				K Basin Immersion Pail Seal Lid As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	IP/PPSS	
26	Final Design Drawings	H-1-83488	0	No	TBD		No	Sheet 1: G Sheet 2: G Sheet 3: G		No	TBD	No		Incomplete Revise and Reissue				SLOP Transfer Channel Grating and Handrail Mod As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	SLOP	
26	Final Design Drawings	H-1-84830	0	No	TBD		No	E		No	TBD	No	E	Incomplete Revise and Reissue				P & ID - MLS Compressed Air As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	Compressed Air	
27	Installation Drawings			No	TBD		TBD			No	TBD	TBD		Incomplete Revise and Reissue				CTFM Subproject		GET INFO	
28	Installation Work Plan			No	TBD		NA	NA		No	TBD	NA	NA	Incomplete Revise and Reissue				CTFM Subproject		GET INFO	
29	As-built Drawings			No	TBD		TBD			No	TBD	TBD		Incomplete Revise and Reissue				CTFM Subproject		GET INFO	
30	Interface Control Documentation	IC-105					NA	NA				NA	NA	Incomplete Revise and Reissue				CTFM Subproject	MCO		
30	Interface Control Documentation	IC-217	1	Rev 1 - Yes Rev 2 - No	Rev 1 - 05/23/1997		NA	NA				NA	NA	Incomplete Revise and Reissue	Project Files	No	S2970294		CTFM Subproject	MCO	
31	IEFD Drawings			No	TBD		TBD			No	TBD	TBD		Incomplete Revise and Reissue				CTFM Subproject		GET INFO	
32	Piping and Instrumentation Drawings/Diagram (P&ID)	H-1-84490	0	No	TBD		No	E		No	TBD	No	E	Incomplete Revise and Reissue				He Purge System P&ID As-built verification method identified in SNF-6103, "As-Built Verification Plan for Cask Transportation Facility Modifications (CTFM) Project A.5/A.6" (see under ABU Document #21)	CTFM Subproject	He Purge	New drawing being prepared for compressed air and instruments for gantry and shuttle. Being proposed from existing ECON. NO P&ID IDENTIFIED - I MOVED HE PURGE P&ID TO PART C.

APPENDIX B
ABU CHECKLIST

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev	Drawing / Document Title	Document		Drawing		Complete/Incomplete and Projected Completion Date (If applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RMIS Accession #	Notes	Responsible Person or Organization	SSC	Comments
					Completed (Yes/No)	Issue Date	Currently As-Built (Yes/No)	Type E = Essential S = Support G = General								
32	Piping and Instrumentation Drawings/Diagram (P&ID)	H-1-64830	0	P&ID - MLS Compressed Air	No	TBD	No	E	Incomplete Revise and Reissue				P & ID - MLS Compressed Air	CTFM Subproject	Compressed Air	
33	Drawing Tree	H-1-83918		KWIKE Drawing Tree	No	TBD	No		Incomplete Revise and Reissue	TDC			K Basins Project Global Drawing	R. Hernandez	ALL	
34	Unincorporated Outstanding Project Generated ECNs													CTFM Subproject		GET INFO
62	NEPA/SEPA	Hanford NEPA Screening Forms are contained within Specific Work Packages (see Appendix C)								Within Specific Work Packages (see Appendix C)				D. J. Watson	ALL	per Rick Gant
63	Human Factors	SNF-4796	0	Human Factors Engineering and Ergonomics Report for the Cask Loadout System (CLS) Analyses, Results and Findings	Yes	07/29/1999	NA	NA	Complete	HDCS	Yes	D199148539		CTFM Subproject	ALL	
64	Technical Manuals	HNF-2169	0	MCO Loading and Cask Loadout Technical Manual	Rev 0 - Yes Rev 1 - No	Rev 0 - 10/01/1998	NA	NA	Incomplete - 05/05/2000 Revise and Reissue	HDCS	Yes (Rev 0)	D198189179 (Rev 0)		CTFM Subproject	ALL	
64	Technical Manuals	SNF-6102	0	Software User Manual for the Multi-Canister Overpack (MCO) Loading System	No	TBD	NA	NA	Incomplete - April, 2000					CTFM Subproject	MCO	

APPENDIX B
ABU CHECKLIST

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev.	Drawing / Document Title	Document		Drawing		Complete/Incomplete and Projected Completion Date (If applicable)	Drawing / Document Location	Located in Project ABA & File (Yes/No)	RMIS Accession #	Notes	Responsible Person or Organization	SSC	Comments
ADP DOCUMENTS																
35	Software Configuration Management Plan	SNF-6242	0	Software Configuration Management Plan for the K Basin Cask/MCO Loadout System (CLS) - Project A.5/A.6	No	Currently out for Review/Comment	NA	NA	Incomplete - April, 2000					CTFM Subproject	MCO	
36	System Requirements Specification	SNF-6099	0	Software Requirements Specification for the Multi-Canister Overpack (MCO) Loading System	No	TBD	NA	NA	Incomplete - April, 2000					CTFM Subproject	MCO	
37	Software Design Description	See Note		See Note	No	TBD	NA	NA	Incomplete - April, 2000				Included under ABU Document #64, SNF-6102, Software User Manual for the Multi-Canister Overpack (MCO) Loading System	CTFM Subproject	MCO	
38	Software Validation/Verification	SNF-6100	0	Software and Hardware Qualification Test Procedure and Report for the Multi-Canister Overpack (MCO) Loading System	No	TBD	NA	NA	Incomplete - April, 2000					CTFM Subproject	MCO	
65	Miscellaneous Software Documentation	SNF-6101	0	Software Ladder Program for the Multi-Canister Overpack (MCO) Loading System	No	TBD	NA	NA	Incomplete - April, 2000					CTFM Subproject	MCO	
TRAINING DOCUMENTS																
39	Training Plan													G. L. Eaton		GET INFO
40	Training Manuals													G. L. Eaton		GET INFO
41	Training to Operating Crews													G. L. Eaton		GET INFO
42	Training to Maintenance Crews													G. L. Eaton		GET INFO
43	Training Mock-Up	Not Req'd												NA	NA	Can we use work package that directs mock- up here? We are using it to verify hardware fit- up and walk through draft procedures. Also, SIMCART effort will produce training mock-up lines for control system HMI.
OPERATIONS/MAINTENANCE DOCUMENTS																
44	Operating and Maintenance Manuals													CTFM Subproject		GET INFO We have IRM manuals in VI file 50043.
45	Operating Procedures	Standard Number 306	2A	SNF Project Process Standards, K Basins Transfer Bay Crane, Valve Bonnet, and Chlorine System Controls	Yes	10/21/1998	NA	NA	Complete	HDCS				R. D. Hogue	ALL	
45	Operating Procedures	Standard Number 408	2	SNF Project Process Standards, Environmental Safety Requirements - KW Basin	Yes	07/14/1998	NA	NA	Complete	HDCS				R. D. Hogue	ALL	Implement NOC Air Permits - Reference ABU #16
45	Operating Procedures	OP-07-140W		Transferring Fuel Basket from the Fuel Loading Que to the Shuttle	No	TBD	NA	NA	Incomplete - 06/12/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list
45	Operating Procedures	OP-07-156W		Receive MCO/Cask and Prepare for Use	No	TBD	NA	NA	Incomplete - 04/07/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list
45	Operating Procedures	OP-07-157W		Receive MCO Shield Plug and Assemble	No	TBD	NA	NA	Incomplete - 04/07/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list
45	Operating Procedures	OP-07-158W		Load MCO with Baskets	No	TBD	NA	NA	Incomplete - 04/07/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list
45	Operating Procedures	OP-07-159W		Remove MCO/Cask from Basin and Prep for Tran	No	TBD	NA	NA	Incomplete - 04/07/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list
45	Operating Procedures	OP-07-160W		Close and Lift MCO	No	TBD	NA	NA	Incomplete - 04/07/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list

APPENDIX B
ABU CHECKLIST

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU DOC NO	Document Category	Drawing / Document Number	Rev.	Drawing / Document Title	Document		Drawing		Complete/Incomplete and Projected Completion Date (if applicable)	Drawing / Document Location	Located in Project A.5/A.6 File (Yes/No)	RMS Accession #	Notes	Responsible Person or Organization	SSC	Comments
					Completed (Yes/No)	Issue Date	Currently As-Built (Yes/No)	Type: E = Essential S = Support G = General								
45	Operating Procedures	OP-07-161W		Procedure Title: Perform Infrequent/Abnormal MLS Operations This procedure is divided into the following 6 sub-procedures: 1. Unload MCO Operating Mode of MLS 2. Manual Operating Mode of MLS 3. Recover from Loss of Power to MLS 4. Place Fuel in Safe Condition on Defined MLS Failure a. Loss of MLS Operating Air b. Electrical Failure of Mast Drive Motor c. Electrical Failure of Bridge Drive Motor	No	TBD	NA	NA	Incomplete - 4/7/2000 & incomplete - 6/12/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list
					No	TBD	NA	NA	Incomplete - 4/7/2000							
					No	TBD	NA	NA	Incomplete - 4/7/2000							
					No	TBD	NA	NA	Incomplete - 6/12/2000							
					No	TBD	NA	NA	Incomplete - 6/12/2000							
					No	TBD	NA	NA	Incomplete - 6/12/2000							
					No	TBD	NA	NA	Incomplete - 6/12/2000							
45	Operating Procedures	OP-07-162W		Perform MLS System Startup and Verification	No	TBD	NA	NA	Incomplete - 06/12/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list
45	Operating Procedures	OP-07-164W		Unload MCO	No	TBD	NA	NA	Incomplete - 04/07/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list
45	Operating Procedures	OP-12-002W		Operation of the Helium Purge System	No	TBD	NA	NA	Incomplete - 06/12/2000					R. D. Hogue	He Purge	Taken from K. E. Ard's list
46	Surveillance Procedures	SP-CTS-003		NDT Surveillance of Critical Components	No	TBD	NA	NA	Incomplete					R. D. Hogue	MCO	Question on this one.
46	Surveillance Procedures	SP-07-029		Perform Weekly Tests and Inspections on MLS Components	No	TBD	NA	NA	Incomplete - 06/12/2000					R. D. Hogue	MCO	
46	Surveillance Procedures	SP-07-030		Perform Monthly Tests and Inspections on MLS Components	No	TBD	NA	NA	Incomplete - 06/12/2000					R. D. Hogue	MCO	
46	Surveillance Procedures	SP-07-031		Perform Quarterly Tests and Inspections on MLS Components	No	TBD	NA	NA	Incomplete - after 6/12/2000					R. D. Hogue	MCO	
46	Surveillance Procedures	SP-07-032		Perform Semi-Annual Tests and Inspections on MLS Components	No	TBD	NA	NA	Incomplete - after 6/12/2000					R. D. Hogue	MCO	
46	Surveillance Procedures	SP-07-033		Perform Annual Tests and Inspections on MLS Components	No	TBD	NA	NA	Incomplete - after 6/12/2000					R. D. Hogue	MCO	
47	Calibration Procedures													R. D. Hogue		GET INFO
48	Preventative Maintenance Procedures													R. D. Hogue		GET INFO
49	Repair/Maintenance Procedures	MP-CTS-005		Clear/Inspect MCO/Cask Crane	No	TBD	NA	NA	Incomplete					R. D. Hogue	MCO	
49	Repair/Maintenance Procedures	MP-07-006		Replace Immersion Pail Inflatable Seals	No	TBD	NA	NA	Incomplete - 06/12/2000					R. D. Hogue	IP/PSS	Taken from K. E. Ard's list
49	Repair/Maintenance Procedures	MP-07-007		Perform Annual Basin Load Path Inspections	No	TBD	NA	NA	Incomplete - after 6/12/2000					R. D. Hogue	MCO	Taken from K. E. Ard's list
50	Functional Check Procedures													R. D. Hogue		GET INFO
51	Preventative Maintenance and Surveillance Data Sheets	See Notes											"Preventative Maintenance and Surveillance Data Sheets" are included within "Surveillance Procedures (ABU Document #46) and "Repair/Maintenance Procedures" (ABU Document #49)	R. D. Hogue		GET INFO
61	Alarm Response Procedures													R. D. Hogue		GET INFO

APPENDIX B
ABU CHECKLIST

105KW Cask Loadout System (CLS) / Cask Transportation Facility Modifications (CTFM)
Project A.5/A.6

ABU/ DOC NO	Document Category	Drawing / Document Number	Rev.	Drawing / Document Title	Document		Drawing		Complete/Incomplete and Projected Completion Date (If applicable)	Drawing / Document Location	Located In Project A.5/A.6 File (Yes/No)	RMIS Accession #	Notes	Responsible Person or Organization	SSC	Comments
QUALITY ASSURANCE DOCUMENTS																
52	Inspection Plan															GET INFO See VI file #50043.
53	QA Project Plan	HNF-SD-SNF-RPT-007	4	Application of the Office of Civilian Radioactive Waste Management (OCRWM) Quality Assurance Requirements to the Hanford Spent Nuclear Fuel Project	Yes	03/13/2000	NA	NA	Complete	HDCS (K Basins)	No	D8237035		J. I. Diehl	ALL	
54	QA Program Plan	SNF AP 11-014	6	SNF Project Quality Assurance Program Plan (QAPP)	Yes	03/31/1999	NA	NA	Complete	HDCS	No	NOT IN RMIS		J. I. Diehl	ALL	
PROCUREMENT																
55	Vendor Information Files	VI File #50021		IP and IPSS	Yes	09/08/1997	NA	NA	Complete	VI Files	Yes	S19604533		CTFM Subproject	IP/PPSS	
55	Vendor Information Files	VI File # 50043		MCO Loading System	Yes	?	NA	NA	Complete	VI Files	?	NOT IN RMIS		CTFM Subproject	MCO	
55	Vendor Information Files	VI File #50070		Compressed Air	No	TBD	NA	NA	Incomplete - 04/28/2000	VI Files				CTFM Subproject	Compressed Air	
55	Vendor Information Files	VI File #50095		Windbreak	No	TBD	NA	NA	Incomplete - 04/10/2000	VI Files				CTFM Subproject	Windbreak	
56	Comprehensive Equipment List															GET INFO
57	Spare Parts List															GET INFO
58	Spare Parts in Stock															GET INFO
RADIOLOGICAL																
59	Dose Estimate Documentation															GET INFO
60	ALARA Report	HNF-SD-SNF-CSER-005	5B	Criticality Safety Evaluation Report for the Multi-Canister Overpack	Yes	03/16/2000	NA	NA	Complete	HDCS (K Basins)	No	D8245783		CTFM Subproject	MCO	
60	ALARA Report	HNF-SD-SNF-CN-026	0	MCO Shield Plug Doe Rate Analysis	Yes	10/06/1997	NA	NA	Complete	HDCS (SNF)	No	D197275805		CTFM Subproject	MCO	
60	ALARA Report	WHC-SD-SNF-CAVR-001	0	Recent Dose Rate Calculational Summary for N-Reactor Fuel Handling and Shipping from K Basins	Yes	12/17/1996	NA	NA	Complete	HDCS (K Basins)	No	D196244425		CTFM Subproject	MCO	

APPENDIX C

105 K WEST CLS/CTFM WORK PACKAGES

CONSISTING OF 2 PAGES
INCLUDING COVERSHEET

APPENDIX C
105 KW CLS/CTFM WORK PACKAGES

SNF-6241
Revision 0

Workscope	Workscope Information Captured on ABU Checklist	Work Package Number	System Number
KW Rad Surveys and Decontamination		1K-96-862	
KW Piping Modifications/Demo		1K-96-886	
KW South Loadout Pit Floor Topography		1K-97-568	
KW South Loadout Pit Sludge Pumping Equipment Install		1K-97-610	
KW Mezzanine/Walkway Removal and Mods		1K-96-1284	
KW Electrical and Instrument Conduit Reroutes		1K-96-2025	
KW Tech View Pit Sludge Isolation Screen Fab and Installation		1K-97-785	
KW Immersion Pail Support Structure Installation		1K-97-1073	70.2
KW Tool Dolly Mods and Load Test for Transfer Channel Demo		1K-97-2206 and 2207, 1889	
KW Transfer Channel Equipment Demo/Removal		1K-97-1489	
KW Corridor 7 Door and Window Installation		1K-97-3135	
KW Windbreak Procurement, Fabrication, Installation		1K-98-2034	
KW Shuttle and Cart Installation	X	1K-97-3553	
KW Shuttle Support/Impact Limiter Fabrication and Installation	X	1K-97-3553	
KW Bridge Gantry Support Structure Procurement, Fabrication, Installation	X	1K-97-3553	
KW Bridge Gantry Installation	X	1K-97-3553	
KW Grapple Installation	X	1K-97-3553	
KW Mechanical, Electrical, and Instrumentation Final Connections	X	1K-97-3553	
KW Grating and Handrail Fabrication, Installation	X	1K-97-3553	
KW Pail Reservoir Modification	X	1K-97-3553	
KW Compressed Air System Fabrication, Installation	X	1K-97-3553	12
KW Helium Purge System installation	X	1K-97-3553	
KW Deionized Water Supply installation	X	1K-97-3553	
KW Demineralized Water Supply installation	X	1K-97-3553	
KW CLS Rough Alignment With Shuttle and Immersion Pail	X	1K-97-3553	70.2
KW Laydown Area / Tool Racks fabrication, installation	X	Mike Triggs	
KW Operator Platform fabrication	X	1K-97-3553	70.2
CLS Construction Acceptance Test	X	1K-97-3553	70.2
KW Final Alignment with Shuttle and Immersion Pail	X	Mike Triggs	70.2
KW Prerequisite Component Tests	X	Kat Shaddix	
KW Cask Transport Preoperational Acceptance Tests	X	Kat Shaddix	70.2
KW MCO Loading System Preoperational Acceptance Tests	X	Kat Shaddix	70.2

DISTRIBUTION SHEET

To: Distribution	From: J. L. Weamer	Page 1 of 1
Project Title/Work Order 105 K West Cask Transportation Facility Modification Acceptance for Beneficial Use Checklist – Project A.5/A.6, SNF-6241, Revision 0		Date: April 25, 2000
		EDT No. 629210
		ECN No. N/A

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
K. E. Ard	X3-85	X			
R. A. Bilskis	X3-57	X			
R. J. Bottenus	H8-66	X			
D. E. Bullock	X3-76	X			
K. C. Conrad	X3-80	X			
J. I. Diehl	X3-80	X			
G. L. Eaton	S2-45	X			
W. A. Frier	X4-01	X			
R. G. Gant	X3-79	X			
R. L. Garrett	R3-26	X			
D. L. Harris	X3-85	X			
R. Hernandez, Jr.	X3-85	X			
R. D. Hogue	X3-86	X			
B. S. Lew	X3-85	X			
L. A. Rodgers	X3-85	X			
D. J. Watson	X3-79	X			
J. L. Weamer	X3-85	X			
Project Files A.5/A.6	X3-85	X			
Technical Document Control (Patti Lingle)	S2-51	X			
J. D. MATHEWS	X3-65	X			