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JAN 05 2000

ENGINEERING DATA TRANSMITTAL

1. EDT 627124

2. To: (Receiving Organization) Distribution	3. From: (Originating Organization) CVD Project	4. Related EDT No.: N/A
5. Proj./Prog./Dept./Div.: SNF Project/W-441	6. Design Authority/ Design Agent/Cog. Engr.: S. A. Brisbin	7. Purchase Order No.: N/A
8. Originator Remarks: The attached document is being submitted for approval and release.		9. Equip./Component No.: NA
		10. System/Bldg./Facility: 142-K/CVDF
11. Receiver Remarks: 11A. Design Baseline Document? [] Yes [X] No		12. Major Assm. Dwg. No.: N/A
		13. Permit/Permit Application No.: N/A
		14. Required Response Date:

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-5484	All	0	Cold Vacuum Drying Facility Acceptance for Beneficial Use	NA	1,2	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
		Design Authority N/A	1	1	Projects D. W. Siddoway Drew W. Siddoway 1/4/00 X3-85
		Design Agent	1	1	CVD Project M. J. Wiemers M. Wiemers 1/3/00 R3-11
1	1	Cog.Eng. S. A. Brisbin SA Brisbin 1/3/00 R3-86	1	1	Operations J. R. Gregory J R Gregory X3-78
1	1	Cog. Mgr. C. S. Haller C S Haller 1/3/00 R3-11			
		QA N/A			
		Safety N/A			
		Env. N/A			

18.	19.	20.	21. DOE APPROVAL (if required)
S. A. Brisbin SA Brisbin 12/7/99 Signature of EDT Originator Date	1/4/00 Authorized Representative for Receiving Organization Date	C. S. Haller C S Haller 1/3/00 Design Authority/ Cognizant Manager Date	Ctrl. No. [] Approved [] Approved w/comments [] Disapproved w/comments

BD-7400-172-2 (05/96) GEF097

S

Cold Vacuum Drying Facility Acceptance For Beneficial Use

S. A. Brisbin
Fluor Daniel Hanford,
Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-96RL13200

EDT/ECN: 627124 UC: 510
Org Code: 2F000 CACN: 105539
COA: A000
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Key Words: SNF, CVD, W-441, Turnover, Acceptance

Abstract: This document provides a checklist of the items required for turnover of the Cold Vacuum Drying Facility from the Construction Projects organization to the Operations organization. This document will be updated periodically to document completion of additional deliverables.

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1/4/00

Release Approval Date

DATE: HANFORD RELEASE ID: 2
STA: 4
JAN 05 2000
Release Stamp

Approved for Public Release

COLD VACUUM DRYING FACILITY (W-441)

DOCUMENTATION REQUIRED FOR ACCEPTANCE FOR BENEFICIAL USE

DESCRIPTION		RESPONS.
ENGINEERING		
[NA]	Engineering Task Plan	NA
[1]	Activity Schedule	Project Controls
[2]	Final Safety Analysis Report	Nuclear Safety
[NA]	Interim Safety Basis - update	NA
[NA]	Safety Assessment	NA
[3]	Safety Equipment List	Technical Integration
[4]	Operational Safety Requirements or update existing	Nuclear Safety
[NA]	Operational Safety Document(s) or update existing	NA
[5]	Design Criteria	Technical Integration
[6]	System Design Description	Technical Integration
[7]	Test Plan/Specifications	Technical Integration
[8]	Construction Acceptance Test (CAT) Procedures and Construction Phase Final Test Report	FDNW
[9]	Pre-Operational Test (PAT) Procedures and Pre-Operational Phase Final Test Report	Startup
[10]	Environmental Impact Statement	Complete
[NA]	Environmental Report	NA
[11]	Environmental Permit	Perf. Imp. And Reg. Support
[NA]	Hazardous Waste Disposal Plan/Procedures	NA
[12]	Solid Waste Disposal Plan/Procedure	Waste Management
[13]	Supporting Calculations	Technical Integration
[14]	Stress/Design Report	Technical Integration
[15]	Design Specifications/Report	Technical Integration
[NA]	Equipment Specifications	NA
[16]	Procurement Specifications	DEM
[17]	Construction Specification	DEM
[NA]	Essential Material Specifications	NA
[18]	Final Design Drawings	DEM
[19]	Installation Drawings	DEM
[NA]	Installation Work Plan	NA
[20]	As-built Drawings	DEM
[NA]	Interface Control Drawings	NA
[NA]	IEFD Drawings	NA
[21]	Piping and Instrumentation Drawings/Diagram (P&ID)	DEM
[22]	Drawing Tree	Technical Integration
[NA]	Incorporate Outstanding Project Generated ECNs	NA
[23]	Interface Control Documents (ICDs)	Technical Integration

DESCRIPTION		RESPONS.
ADP		
[24]	Software Configuration Mgmt Plan	Technical Integration
[25]	System Requirements Spec	Technical Integration
[26]	Software Design Description	Technical Integration
[27]	Software Validation/ Verification	Technical Integration
[28]	Software User Manual	Technical Integration
TRAINING		
[29]	Training Plan	Training
[30]	Training Manuals	Training
[31]	Training to Operating Crews	Training
[32]	Training to Maintenance Crews	Training
[33]	Training Mock-Up	Training
OPERATIONS/MAINTENANCE		
[34]	Operating and Maintenance Manuals	Technical Integration
[35]	Operating Procedures	Procedures
[36]	Surveillance Procedures	Procedures
[37]	Calibration Procedures	Procedures
[38]	Preventative Maintenance Proc.	Procedures
[39]	Repair/Maintenance Procedures	Procedures
[40]	Functional Check Procedures	Procedures
[41]	PM/S System	Technical Integration
[42]	Property/Custody Management	Property Control
QUALITY ASSURANCE		
[43]	Inspection Plan	QA
[44]	QAPP	Complete
[NA]	QAPJP	NA
PROCUREMENT		
[45]	Vendor Information Files	Technical Integration
[46]	Comprehensive Equip. List	Technical Integration
[47]	Spare Parts List	Technical Integration
[48]	Spare Parts in Stock	Technical Integration

DEM – Design Engineering Manager
NA – Not Applicable to the CVDF

ITEM	DESCRIPTION
1	Activity Schedule
2a	Final Safety Analysis Report, ref. HNF-3553, Appendix B
2b	Complete SER Actions.
3	HNF-SD-SNF-SEL-002, *Safety Equipment List*
4	Operational Safety Requirements, ref. HNF-3673, *Cold Vacuum Drying Facility Technical Safety Requirements*
5a	Design Criteria for the CVDF are provided in HNF-SD-SNF-DRD-002, *Design Requirements Document for the Cold Vacuum Drying Facility.*
5b	*Design Verification and Validation Plan for the Cold Vacuum Drying Facility*, SNF-4396.
6	System Design Descriptions (SDDs). The SDD content as agreed upon 2/99. The following SDDs will be provided in a format following DOE-STD-3024-98 (dated October 1998):
6a	SNF-3060, Radiation Monitoring (RM) and Room Air Quality (AQ)
6b	SNF-3061, Civil/Structural Systems (CIV)
6c	SNF-3062, Vacuum Purge System (VPS)
6d	SNF-3063, Residual Gas Monitoring System (RGM)
6e	SNF-3064, Helium MSLD and Auxiliary Vacuum (MSLD)
6f	SNF-3065, Communication Systems (COMM)
6g	SNF-3066, Compressed Air System (CA/CI)
6h	SNF-3067, General Service Helium System (He)
6i	SNF-3068, Safety Class Helium (SCHe)
6j	SNF-3072, Cranes and Hoists (HOI)
6k	SNF-3073, Effluent Drains System (EFS)
6l	SNF-3074, Condensate Collection System (CCS)
6m	SNF-3075, Electrical Systems (ES)
6n	SNF-3076, Specialty Equipment and Tools
6o	SNF-3077, Service Water System (SWS) and Fire Protection System (FP)
6p	SNF-3078, De-ionized Water System (DI)
6q	SNF-3079, Potable Water System (PW)
6r	SNF-3080, Sewage Collection System (SANS)
6s	SNF-3081, HVAC Systems (HVAC)
6t	SNF-3082, Process Water Conditioning System (PWC)
6u	SNF-3085, Tempered Water/Tempered Water Cooling (TW/TWC)
6v	SNF-3086, Chilled Water System (CW)
6w	SNF-3087, Vacuum and Purge System Chilled Water (VPSCHW)
6x	SNF-3088, Stack Monitoring System (SM)
6y	SNF-3089, Security System (SEC). . PHMC Security will prepare and maintain a more detailed SDD than SNF-3089.
6z	SNF-3090, Monitoring and Control System (MCS)
6aa	SNF-3091, Safety Class Instrumentation and Control (SCIC)
6ab	SNF-3083, Cask/MCO Handling
7	Test Plans/Specifications and Reports. Test summary reports will be prepared to verify compliance with the test specifications approved by the JTG.
7a	WHC-SD-SNF-TP-018, SNF Proof of Performance Test Specification and Test Plan/HNF-SD-SNF-TRP-021, *Hanford Spent Nuclear Fuel Cold Vacuum Drying Proof of Concept Test Report*
7b	HNF-SD-SNF-TP-036, SNF Cold Vacuum Drying Test Specification and Test Plan/HNF-3342, *Hanford Spent Nuclear Fuel Cold Vacuum Drying First Article Initial Test Finding Report*
7c	SNF-441-TS-005-1, Health Protection (HP)
7d	SNF-441-TS-005-2, O2 Monitoring (RM)
7e	SNF-441-TS-006, Telescoping Doors/Roll-up (Facility Buildings)
7f	SNF-441-TS-011, Communication/HLAN
7g	SNF-441-TS-012, Compressed Air/Instrument Air (CA/IA)
7h	SNF-441-TS-018, Drainage Systems
7I	SNF-441-TS-020-1, Electrical Power Distribution & Misc.
7j	SNF-441-TS-020-4, UPS
7k	SNF-441-TS-024, Fire Protection / Detection

ITEM	DESCRIPTION
7l	SNF-441-TS-025, De-Ionized Water (DI)
7m	SNF-441-TS-026, Potable Water
7n	SNF-441-TS-027, Sewage Water System (SANS)
7o	SNF-441-TS-030-1, HVAC-A Admin Bldg.
7p	SNF-441-TS-030-2, HVAC-B Process Bay Recirc Supply and Exhaust
7q	SNF-441-TS-030-3A,HVAC-C Process Bay Local Exhaust
7r	*SNF-441-TS-030-5, Reference Air System*
7s	SNF-441-TS-047-3, Chilled Water
7t	SNF-441-TS-047-4, Vacuum Purge System Chilled Water (VPSCHW)
7u	SNF-441-TS-054/55, Security (SEC)
7v	SNF-441-TS-007-1, Vacuum Purge System, Bay 2 (no longer required due to 3 bay strategy)
7w	SNF-441-TS-007-2, Vacuum Purge System, Bay 3
7x	SNF-441-TS-007-3, Vacuum Purge System, Bay 4
7y	SNF-441-TS-007-4, Vacuum Purge System, Bay 5
7z	SNF-441-TS-007-5, Simulated MCO Processing
7aa	SNF-441-TS-013-1, Helium
7ab	SNF-441-TS-013-2, Safety Class Helium
7ac	SNF-441-TS-014, Cranes/Hoists
7ad	SNF-441-TS-020-5, Heat Trace. No longer required. Heat trace added with DCN 196 was deleted by DCN 285. VPS heat trace should be tested with that system.
7ae	SNF-441-TS-030-3B, HVAC-C Process Bay Local Exhaust Process Hood
7af	SNF-441-TS-046, Process Water Conditioning, Contaminate Water Sampling and Analysis and Rad Effluent Handling and Disposal
7ag	SNF-441-TS-047-1, Tempered Water (Annulus) (TW)
7ah	SNF-441-TS-047-2, Tempered Water Cooling (TWC)
7ai	SNF-441-TS-050-1, Stack Monitoring (SM) Phase 1
7aj	SNF-441-TS-093-1, Monitoring and Control System (MCS)
7ak	SNF-441-TS-093-2, Safety Class Instrumentation (SCI&C)
8	CAT Procedure(s)/Report. CATs will be completed as required in the approved test specifications. Test results will be included in test summary reports used to verify conformance with test specifications.
9	*PAT Procedure(s)/Report*
9a	SNF-441-PAT-005-1, Health Protection (HP). Not required. HP equipment will be tested under the control of construction forces.
9b	SNF-441-PAT-005-2, O2 Monitoring (AQ). Not required. O2 monitoring will be tested will be tested under the control of construction forces.
9c	SNF-441-PAT-006, Telescoping Doors/Roll-up (Facility Buildings). Not required. The telescoping/roll-up doors will be tested by *construction forces.*
9d	SNF-441-PAT-011, Communication/HLAN. Not required. The communication/HLAN system will be tested by US West.
9e	SNF-441-PAT-012, Compressed Air/Instrument Air (CA/IA)
9f	SNF-441-PAT-018, Drainage Systems. Drainage systems will be tested as part of the Fire Protection system ATP.
9g	SNF-441-PAT-020-1, Electrical Power Distribution & Misc. Not required. This system will be tested with other systems. A specific PAT is not required.
9h	SNF-441-PAT-020-4, UPS. Not required. The UPS will be tested by construction forces/vendor.
9i	SNF-441-PAT -024, Fire Protection / Detection. Not required. The fire alarm system will be covered by an ATP.
9j	SNF-441-PAT -025, De-Ionized Water (DI). Not required. The DI system is a vendor supplied unit that will be tested under the control of construction forces.
9k	*SNF-441-PAT -026, Potable Water. Not required.* The potable water system will be tested under the control of construction forces.
9l	SNF-441-PAT -027, Sewage Water System (SANS). Not required. The Sewage system will be tested under the control of construction forces.
9m	SNF-441-PAT -030-1, HVAC-A Admin Bldg. Not required. The Admin HVAC system will be tested under the control of construction forces.
9n	SNF-441-PAT -030-2A, HVAC supply/exhaust/recirc
9o	SNF-441-PAT -030-2B, HVAC Integrated
9p	SNF-441-PAT -030-5, Reference Air System. Not required. The RA system will be tested under SNF-441-PAT -030-2B.
9q	SNF-441-PAT -047-3, Chilled Water
9r	SNF-441-PAT -047-4, Vacuum Purge System Chilled Water (VPSCHW)
9s	SNF-441-PAT -054/55, Security (SEC). Not required. The security system *will be tested using an ATP.*
9t	SNF-441-PAT -007-1, Vacuum Purge System, Bay 2. No PAT required.

ITEM	DESCRIPTION
9u	SNF-441-PAT -007-2, Vacuum Purge System, Bay 3. No PAT required.
9v	SNF-441-PAT -007-3, Vacuum Purge System, Bay 4. No PAT required.
9w	SNF-441-PAT -007-4, Vacuum Purge System, Bay 5. No PAT required.
9x	SNF-441-PAT -007-7, Simulated MCO Processing Bay 4
9y	SNF-441-PAT -007-8, Simulated MCO Processing Bay 5
9z	SNF-441-PAT -013-1, Helium. Not required. The Helium system will be tested with the Safety Class Helium system.
9aa	SNF-441-PAT -013-2, Safety Class Helium Bay 4
9ab	SNF-441-PAT -013-3, Safety Class Helium Bay 5
9ac	SNF-441-PAT -014, Cranes/Hoists. Not required. The cranes system will be tested under the control of construction forces.
9ad	SNF-441-PAT -020-5, Heat Trace
9ae	SNF-441-PAT -030-3B-3, HVAC-C Process Bay Local Exhaust Process Hood Bay 4
9af	SNF-441-PAT -030-3B-4, HVAC-C Process Bay Local Exhaust Process Hood Bay 5
9ag	SNF-441-PAT -046, Process Water Conditioning, Contaminate Water Sampling and Analysis and Rad Effluent Handling and Disposal. Not required. Covered by SNF-441-PAT -007-7 and SNF-441-PAT -007-8
9ah	SNF-441-PAT -047-1, Tempered Water (Annulus) (TW). No PAT required.
9ai	SNF-441-PAT -047-2, Tempered Water Cooling (TWC)
9aj	SNF-441-PAT -050-1, Stack Monitoring (SM) Phase 1
9ak	SNF-441-PAT -050-2, Stack Monitoring (SM) Phase 2
9al	SNF-441-PAT -093-1, Monitoring and Control System (MCS)
9am	SNF-441-PAT -093-2C, Safety Class Instrumentation (SCI&C) Bay 4
9an	SNF-441-PAT -093-2D, Safety Class Instrumentation (SCI&C) Bay 5
10	Environmental Impact Statement for the SNF Project was issued. Ref. DOE/EIS-0245F, *Management of Spent Nuclear Fuel from K Basins at the Hanford Site*, Richland, Washington..
11	Environmental Permit, ref. DOE/RL-96-110, Rev. 1. Air permit revision approved May 1999.
12	Solid Waste Disposal Plan/Procedure. Annual update of waste forecasts will be performed.
13	Supporting Calculations are identified in SNF-3001, *Cold Vacuum Drying Facility Supporting Data and Calculation Database*. This document will be reviewed against the latest design to ensure required calculations are provided. The document will be revised as necessary until the design is complete. A package of calculations referenced in SNF-3001 needs to be built. SNF-3001 identifies calculations, including those prepared specifically for the FSAR
14	Stress/Design Report. This information is provided in SNF-3001.
15a	Design parameters are provided in the DRD (see item 5). A comprehensive design report was prepared and reviewed in April 1999.
15b	Close open items from the comprehensive design review.
16	Procurement Specifications – There are 6 procurement specifications associated with the CVDF Project, as identified in items 16a through 16f below.
16a	SNF-5303, *Procurement Specification for Fabrication, Acceptance Testing, and Shipment of the Cold Vacuum Drying Facility Process Equipment Skid.* NOTE: This document is also referred to as CVDF specification number W-441-P1. Procurement Specification W-441-P1 (Revision 3), released into Hanford document control system as supporting document number SNF-5301, Revision 0. Any changes will be controlled using the ECN process. The specification will be "as-built" prior to project completion to reflect final equipment configuration and incorporation of outstanding ECNs
16b	SNF-5302, *Procurement Specification for Fabrication, Acceptance Testing, and Shipment of the Cold Vacuum Drying Facility Process Water Conditioning Skid.* NOTE: This document is also referred to as CVDF specification number W-441-P2. Procurement Specification W-441-P2 (Revision 3), released into Hanford document control system as supporting document number SNF-5302, Revision 0. Any changes will be controlled using the ECN process. The specification will be "as-built" prior to project completion to reflect final equipment configuration and incorporation of outstanding ECNs.
16c	SNF-5457, *Procurement Specification for the Monitoring and Control System of the Cold Vacuum Drying Facility.* NOTE: This document is also referred to as CVDF specification number W-441-P3. Procurement Specification W-441-P3 will be released into Hanford document control system as supporting document number SNF-5457, Revision 0. Any subsequent changes will be controlled using the ECN process. The specification will be "as-built" prior to project completion to reflect final equipment configuration and incorporation of outstanding ECNs

ITEM	DESCRIPTION
16d	SNF-5303, *Procurement Specification for Fabrication, Acceptance Testing, and Shipment of the Cold Vacuum Drying Facility Process Hood and Piping Assembly.* NOTE: This document is also referred to as CVDF specification number W-441-P4. Procurement Specification W-441-P4 (Revision 3), released into Hanford document control system as supporting document number SNF-5303, Revision 0. Any changes will be controlled using the ECN process. The specification will be "as-built" prior to project completion to reflect final equipment configuration and incorporation of outstanding ECNs
16e	SNF-5304, *Procurement Specification for Fabrication, Acceptance Testing, and Shipment of the Cold Vacuum Drying Facility Process Safety Class Helium System Equipment.* NOTE: This document is also referred to as CVDF specification number W-441-P5. Procurement Specification W-441-P5 (Revision 3), released into Hanford document control system as supporting document number SNF-5304, Revision 0. Any changes will be controlled using the ECN process. The specification will be "as-built" prior to project completion to reflect final equipment configuration and incorporation of outstanding ECNs
16f	HNF-3229, *Cold Vacuum Drying Safety Class Instrumentation and Control System Performance Specification.* NOTE: This document replaces the cancelled CVDF specification W-441-P6. HNF-3229 has been officially released into the Hanford document control system, and is currently at Revision 2a. Any changes to this specification will continue to be controlled using the ECN process. The specification will be "as-built" prior to project completion to reflect final system configuration and incorporation of outstanding ECNs.
17	W-441-C1, *Construction Specification for Cold Vacuum Drying Facility.* Changes to the approved CVDF construction specification are controlled using the Document Change Notice (DCN) process. Specification W-441-C1 will be "as-built" prior to project completion to reflect final facility configuration and incorporation of outstanding ECNs. The final as-built specification will be released into the Hanford document control system as SNF-5458
18	Final Design Drawings – see H-1-83946 (item 22 below).
19	Installation Drawings – see H-1-83946 (item 22 below).
20	As-Built Drawings. Drawings identified in the CVDF Drawing Tree, with the exception of vendor drawings, will be "as-built" and released into the Hanford document control system in accordance with SNF-5182, *Cold Vacuum Drying Facility As-Building Plan.* Labeling will be included in the as-built verification process. The final as-builts will include incorporation of outstanding DCNs/ECNs, NCRs, contractor red-lined drawing information, and field as-built verification data. As-built drawings will be prepared and released incrementally as work on the applicable structure, system, or component (SSC) is completed. As-built drawings will be completed prior to CVDF project completion.
21	Piping and Instrumentation Drawings/Diagram (P&ID) -- see H-1-83946 (item 22 below). P&IDs associated with the CVDF facility and process equipment are included in the CVDF Drawing Tree. Any changes to these approved drawings are controlled using the DCN/ECN processes, as applicable. P&IDs will be "as-built" as discussed in item 20 above, prior to project completion.
22	H-1-83946, *Cold Vacuum Drying Facility Drawing Tree.* Drawing H-1-83946 (includes multiple sheets) lists of the various facility and process equipment drawings used for fabrication and construction (not including vendor drawings). The drawing tree was originally released into the Hanford document control system as Revision 0. Changes to the drawing tree are controlled using the ECN process. The Drawing Tree will be updated as required during the life of the CVDF Project to maintain a current listing of the drawings, and it will be "as-built" prior to project completion to incorporate outstanding ECNs.
23	Interface Control Documents currently approved: a. MCO Table b. IC-001, Vacuum Dried K Basin Fuel in MCO/Cask c. IC-012, Bulk Water from CVD to Return to K Basin Integrated Water Treatment System d. IC-043, MCO/Cask Loaded with Wet KE Basin Fuel e. IC-044, MCO/Cask Loaded with Wet KW Basin Fuel f. IC-058, Treated K Basin Vacuum Dry Offgas Exhaust – Permitting for CVD Offgas Exhaust g. IC-061, K Basin Vacuum Dry Offgas Filter Waste h. IC-062, Cask Decon Waste After Vacuum Drying i. IC-063, Vacuum Drying System Water Supply j. IC-108, Vacuum Pump Oil and Oil Filter Waste to K Basin Solid Waste Handling k. IC-110, Electrical Power to Support the CVD Module l. IC-111, Establish the CVD Module Support Requirements m. IC-112, Telephone Support for the CVD Module n. IC-113, HLAN Connections for the CVD Module o. IC-114, Fire Department Requirements for the CVD Module p. IC-153, CVD Accountability q. IC-162, Potable Water Supplied to the CVD Module r. IC-163, Sanitary Services Supplied to the CVD Module s. IC-164, Laundry Services Supplied to the CVD Module t. IC-187, Cask Annulus Gas Sample to 222S Lab u. IC-207, Use of CVDF for Sludge Transport Staging
24	Software Configuration Management Plan
24a	MCS

ITEM	DESCRIPTION
24b	SCIC
24c	ATC
25	System Requirements Specification
25a	MCS. Currently issued as a CH2M Hill document. Will be updated and issued as a SNF document.
25b	SCIC. Two separate documents prepared by Framatome. These documents will be issued as SNF documents.
25c	ATC
26	Software Design Description
26a	MCS.. Document will be released as an SNF document following PAT.
26b	SCIC. Two separate descriptions will be prepared by Framatome. These will be issued as SNF documents following PAT testing.
26c	ATC. This will be included in the user manual.
27	Software Verification and Validation
27a	MCS. V&V will consist of testing during the PAT. Test results will be documented in a test summary report
27b	SCIC. Framatome will perform formal V&V. Results will be documented in a Framatome report and the Framtome final design report.
27c	ATC. Total Energy will perform software V&V.
28	Software User Manual
28a	MCS. This document is being prepared by CH2M Hill. The manual will be finalized and issued after the PAT.
28b	SCIC. Not applicable. Code is embedded in chips. Pertinent information will be included in the software design description.
28c	ATC. Total Energy will provide a software user manual following testing.
29	Training Plan
30	Training Manuals
31	Training of Operating Crews
32	Training to Maintenance Crews
33	Training Mock-up
34a	Operating Manual - HNF-2356, *Spent Nuclear Fuel Project Cold Vacuum Drying Facility Operations Manual*
34b	SNF-5390, *CVD Off-Normal Event Description and Alarm Response Manual*
35	Operating Procedures
36	Surveillance Procedures
37	Calibration Procedures
38	Preventive Maintenance Procedures
39	Repair/Maintenance Procedures
40	Functional Check Procedures
41	PM/S System ref. Administrative ProcedureMN-7-001-02
41a	Component/Equipment Data Files
41b	Maintenance Implementation Plan, ref. SNF-MIP-001
42	Property/Custody Management
43	Inspection Plans. AI inspection plan/report will be provided when complete. AI will maintain the official open items list for the project.
44	QAPP ref. SNF Project QAPP.
45	Vendor Information Files will set up to maintain information supplied by the various equipment vendors. As a minimum, the VI files will consist of equipment manufacturer's maintenance and operation manuals. VI files will be developed in accordance with AP EN-6-026.
46	The Master Equipment List will provide a comprehensive list of of the equipment that is included in the CVDF. Ref. SNF-4148, *Master Equipment List*
47	Spare Parts List will identify the recommended spare parts. The list will provide a description of the components recommended for spares, the number of each component recommended, and potential suppliers.
48	A listing of spare parts in stock will be provided including the storage location at the time of turnover. A listing of project provided spares will be prepared. The listing will be verified and accepted by QA.

DISTRIBUTION SHEET

To	From	Page 1 of 1
Distribution	S. Brisbin, SNF-CVD	Date 01/04/00
Project Title/Work Order		EDT No. 627124
SNF-5484, COLD VACUUM DRYING FACILITY ACCEPTANCE FOR BENEFICIAL USE		ECN No. N/A

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
K. Boes	R3-86	x			
J. Brehm	R3-47	x			
T. Choho	R3-86	x			
F. Cogswell	X3-78	x			
CVD Library (A. Artzer, 2 copies)	R3-86	x			
CVDF Satellite Library	X3-25	x			
J. Gregory	X3-78	x			
C. Haller	R3-86	x			
J. Irwin	R3-86	x			
C. Miska	R3-86	x			
T. Nuxall	R3-86	x			
D. Siddoway	X3-85	x			
SNF Project Files	R3-11	x			
SNF Startup Library	B2-64	x			
R. Whitehurst	R3-86	x			
M. Wiemers	R3-11	x			