S

ENGINEERING CHANGE NOTICE

Page 1 of 2

1. ECN 654891

Proj. ECN

2. ECN Category (mark one)	3. Originator's Name, Organization, MSIN, and Telephone No.	4. USQ Required?	5. Date
Supplemental ○	W. D. Bartlett, T5-50, 373-3997	○ Yes ◉ No	08/25/99
Direct Revision ◉	PFP Project Management		
Change ECN ○	6. Project Title/No./Work Order No.	7. Bldg./Sys./Fac. No.	8. Approval Designator
Temporary ○		PFP	N/A
Standby ○	9. Document Numbers Changed by this ECN (includes sheet no. and rev.)	10. Related ECN No(s).	11. Related PO No.
Supersedure ○	HNF-3752 Rev 0	none	none
Cancel/Void ○			

12a. Modification Work	12b. Work Package No.	12c. Modification Work Completed	12d. Restored to Original Condition (Temp. or Standby ECNs only)
○ Yes (fill out Blk. 12b)	N/A	N/A	N/A
◉ No (NA Blks. 12b, 12c, 12d)		Design Authority/Cog. Engineer Signature & Date	Design Authority/Cog. Engineer Signature & Date

13a. Description of Change

13b. Design Baseline Document? ○ Yes ◉ No

Complete revision and reissuance.

14a. Justification (mark one)	14b. Justification Details
Criteria Change ○	Complete revision to reflect more recent data and planning.
Design Improvement ◉	
Environmental ○	
Facility Deactivation ○	
As-Found ○	
Facilitate Const. ○	
Const. Error/Omission ○	
Design Error/Omission ○	

15. Distribution (include name, MSIN, and no. of copies)

See attached

RELEASE STAMP

SEP 14 1999

DATE:

STA: 5

HANFORD RELEASE

ID: 12

ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg. 1): 654891

16. Design Verification Required	17. Cost Impact		18. Schedule Impact (days)
	ENGINEERING	CONSTRUCTION	
○ Yes	Additional ○ $ _____	Additional ○ $ _____	Improvement ○ _____
◉ No	Savings ○ $ _____	Savings ○ $ _____	Delay ○ _____

19. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 13. Enter the affected document number in Block 20.

SDD/DD	☐	Seismic/Stress Analysis	☐	Tank Calibration Manual	☐
Functional Design Criteria	☐	Stress/Design Report	☐	Health Physics Procedure	☐
Operating Specification	☐	Interface Control Drawing	☐	Spares Multiple Unit Listing	☐
Criticality Specification	☐	Calibration Procedure	☐	Test Procedures/Specification	☐
Conceptual Design Report	☐	Installation Procedure	☐	Component Index	☐
Equipment Spec.	☐	Maintenance Procedure	☐	ASME Coded Item	☐
Const. Spec.	☐	Engineering Procedure	☐	Human Factor Consideration	☐
Procurement Spec.	☐	Operating Instruction	☐	Computer Software	☐
Vendor Information	☐	Operating Procedure	☐	Electric Circuit Schedule	☐
OM Manual	☐	Operational Safety Requirement	☐	ICRS Procedure	☐
FSAR/SAR	☐	IEFD Drawing	☐	Process Control Manual/Plan	☐
Safety Equipment List	☐	Cell Arrangement Drawing	☐	Process Flow Chart	☐
Radiation Work Permit	☐	Essential Material Specification	☐	Purchase Requisition	☐
Environmental Impact Statement	☐	Fac. Proc. Samp. Schedule	☐	Tickler File	☐
Environmental Report	☐	Inspection Plan	☐	_____	☐
Environmental Permit	☐	Inventory Adjustment Request	☐	_____	☐

20. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number/Revision

21. Approvals

	Signature	Date		Signature	Date
Design Authority			Design Agent		
Cog. Eng. W. D. Bartlett	W D Bartlett	8/25/99	PE		
Cog. Mgr. W. D. Bartlett	W D Bartlett	8/25/99	QA		
QA			Safety		
Safety			Design		
Environ.			Environ.		
Other see below			Other		
for J. C. Sinclair	for J C Sinclair	8/26/99			
F. R. Crawford	F R Crawford	8/26/99			
P. E. Roege	P E Roege	8/31/99	DEPARTMENT OF ENERGY		
L. L. Reed	L L Reed	8/26/99	Signature or a Control Number that tracks the Approval Signature		
			ADDITIONAL		

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PROJECT MANAGEMENT PLAN FOR REMOVE SNM FROM PFP PROJECT

W.D. (Dean) Bartlett
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P.O. Box 1200
Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-96RL13200

EDT/ECN: 654891 UC: 2050
Org Code: 15000 Charge Code: 101358
B&R Code: 7040000 Total Pages: ~~25~~ 23
per telecon 9/14/99 dmp

Key Words:
Project Management Plan, SNM offsite shipment, PFP

Abstract:
Project Management Plan for removal of special nuclear material from the Plutonium Finishing Plant and transferring that material to other DOE facilities away from Hanford.

This Document is UNCLASSIFIED.
Work Performed under this requirement is
X UNCLASSIFIED
__ CONFIDENTIAL __RD
__ SECRET __DI
Signature 8/4/99 Date
AUTHORIZED CLASSIFIER

Release Approval 9/14/99 Date

Release Stamp
SEP 14 1999
DATE:
STA: 5
HANFORD RELEASE
ID: 12
A-6400-073.1 (10/97)

Approved For Public Release

RECORD OF REVISION

(1) Document Number: HNF-3752

(2) Title: REMOVE SPECIAL NUCLEAR MATERIAL FROM THE PLUTONIUM FINISHING PLANT PROJECT MANAGEMENT PLAN

Change Control Record

(3) Revision	(4) Description of Change - Replace, Add, and Delete Pages	Authorized for Release	
		(5) Cog. Engr.	(6) Cog. Mgr. Date
0	(7) Initial issuance V.A. EDT ~~622496~~ 612495 dated 2/9/99 ~~June 15, 1999~~ per telecon 9/14/99	WD Bartlett	WD Bartlett 5/31/99
1 RS	Complete revision VA ECN-654891 ~~5/31/99~~ DMG	WD Bartlett 5/31/99	WD Bartlett 5/31/99

Project Management Plan
For
Remove Special Nuclear Material
From PFP Project

HNF-3752, Rev. 1

W. D. (Dean) Bartlett
Project Manager

August 1999

TABLE OF CONTENTS

Project Management Plan
Remove Special Nuclear Material
From PFP Project

1. Introduction

1.1 Project Plan Purpose

This plan presents the overall objectives, description, justification and planning for the Plutonium Finishing Plant (PFP) Remove SNM Materials. The intent of this plan is to describe how this project will be managed and integrated with other facility stabilization and deactivation activities. This plan supplements the overall integrated plan presented in the Plutonium Finishing Plant Integrated Project Management Plan (IPMP), HNF-3617, Rev.0

This project plan is the top-level definitive project management document for the PFP Remove SNM Materials project. It specifies the technical, schedule, requirements and the cost baseline to manage the execution of the Remove SNM Materials project. Any deviation to the document must be authorized through the appropriate change control process.

1.2 Project Description

The Remove SNM Materials project provides the necessary support and controls required for DOE-HQ, DOE-RL, BWHC, and other DOE Complex Contractors the path forward to negotiate shipper/receiver agreements, schedule shipments, and transfer material out of PFP to enable final deactivation.

1.3 Project Mission

The project is part of the PFP Stabilization and deactivation Project, The Stabilization and Deactivation Project is discussed in the Hanford Site Integrated Stabilization Management Plan (SISMP) and the PFP Integrated Project management Plan (IPMP). The overall project mission is provided in the IPMP.

1.4 Project Background

The driving requirements for this project is the Record of Decision that specifies that all material be stabilized to the DOE 3013 standard. Some material may need to be stabilized in the Savannah River F-Canyon before it is stabilized to the 3013 standard. All material will be transferred to long term storage at SRS until the Material Disposition facility is completed.

This will enable the PFP Facility to complete deactivation activities prescribed in the IPMP document.

1.5 Project Relations to the total stabilization project

The project is one of several identified to complete stabilization of plutonium at PFP, safely store it onsite, ship it offsite for storage or disposal, and transition the facility to a condition suitable for long term minimum cost surveillance and maintenance. The overall hierarchy of planning documents is as follows:

A. Integrated Project Management Plan, presents the overall planning strategies and scope for the above.
B. Project planning at the functional level
C. Facility Surveillance and Maintenance
D. Material Storage (vaults)
E. IAEA support activities
F. Material Stabilization
    2. Project planning to support Material Stabilization activities
    3. Metals and Oxides Stabilization
    4. Solutions Stabilization
    5. Polycubes Stabilization
    6. Residues Disposition
    7. Project W-460, BTS construction
    8. BTS Operations
    9. Fuels Management
    10. Special Nuclear Materials
    11. Special Isotopes
12. Facility Transition
13. Material Shipments (this plan)
14. Post Deactivation Surveillance and Maintenance

2. Work Scope

2.1 Process Flow Description

Appendix 1 provides (1) the major process steps associated with the Remove SNM Materials project and (2) the overall relationship to the 94-1 activities. Material stored in vaults of the 2736-Z Building will be stabilized and packaged to 3013 criteria. Material will be packaged in the BTS package configuration with 3013 over pack for shipping. Items will be transferred to SRS using a 9975 or safety shipping container. Final packaging to DOE-STD-3013 (3013) criteria for long term storage and shipment to the SRS will be provided following BTS processing activities.

2.2 Facility Modifications/Equipment Installation

No additional facility modifications or equipment installation will be required.

2.3 Operations

This work scope includes support to DOE-HQ, and DOE-RL in negotiation shipper/receiver plans with other DOE contractors.

2.4 Requirements Baseline

2.4.1 Driving Requirements

Driving requirements are those requirements that define the project mission. The DNSFB Recommendation 94-1 Hanford Site Integrated Stabilization Management Plan (SISMP), revision 5, dated May 1997 has been the source of driving requirements for the PFP projects.

2.4.2 Derived Requirements

Derived requirements are those requirements that flow down from higher level requirements or assumptions. No derived requirements have been identified at this time.

2.4.3 Key Interfaces

Each of these tasks included in this project have a shipping and packaging interface which includes packaging to DOE-SRD-3013 standard or the SRS packaging and shipping standards. It is assumed that it will be possible to establish each of the interfaces as currently planned.

2.4.4 Key Milestones

Complete removal of SNM by FY 2014, this includes fuel pins.

3. Work Breakdown Structure

The Remove SNM Material Project Work Breakdown structure (WBS) is shown in section 5.6. The WBS is a product-oriented hierarchy of the work and products for the subproject and will be used to define and inter-relate the subproject work.

4. Project Strategy

The Remove SNM Material Project will complete packaging and shipment of the material to its final storage or processing location. The strategy for this project is to complete the work within the current project management structure, minimize the impacts to the other projects' tasks and complete the shipments as efficiently as possible.

5. Management Team Roles and Responsibilities

This Remove SNM Material subject is under the direction of the FPF Program Manager. The Program Manager reports to the PFP Senior Director. Support for the subproject activities is provided by various support groups within the PFP organization.

5.1 Program Manager

- The Program Manager is responsible for:
- Maintenance of the IPMP, PMP's and the Multi-Year work plan to establish the technical schedule, and cost baseline for all projects within the PFP. Selecting, directing and monitoring performance of the PM's.
- Establishing overall objectives, scope, and direction for each project and the working interfaces between the projects.
- Providing monthly project status reports for technical, schedule, and cost performance.
- Approves change requests to the PMP's involving schedule delays and funding shifts.

5.2 Project Manager

The Project Manager is responsible for completing the project as planned. Specific responsibilities include:

- Selecting and directing Cost Account Managers responsible for delivering discrete products and services by assigned WBS elements.
- Providing monthly project status of performance to the Program Manager.
- Planning, managing, and maintaining the technical, schedule, and cost baseline for the project.
- Approve PMP change request not involving schedule delays or funding changes.
- Maintain configuration control on the IPMP.
- Ensure the project meets applicable safety, health, and environmental requirements.

5.3 Cost Account Manager

Cost Account Managers identified for each WBS element are responsible for the following:

- Planning and completing the applicable cost account work scope in accordance for this plan.
- Performing work in a manner that meets the project's data quality objectives.
- Evaluating and reporting monthly cost account status to the project manager.
- Directing and working with work package managers to complete the work packages as planned.

5.4 Operations and Support Group Managers

Operations and Support Group Managers are responsible for:

- Achieving operational safety and compliance with regulatory permit requirements.
- Maintaining required operational efficiencies to achieve project objectives.
- Performing work in a manner that meets the project's cost, schedule, and quality objectives.

5.5 Primary Project Interfaces

Primary Project Interfaces are shown in Appendix B

5.6 Responsible Assignment Matrix

WBS	Title	Responsible Manager
1K6BL1	Project Management Min Safe	W. D. (Dean) Bartlett
1K6BA1	Shipments of SNM	R. E. (Rob) Gregory
1K6EA1	Offsite SNM Shipment & Receipt	R. E. (Rob) Gregory
1K6EA2	Onsite SNM Shipment & Receipt	R. E. (Rob) Gregory
1K6EA3	Vault Miscellaneous Maintenance	R. E. (Rob) Gregory
1K6EA4	Vault #3 Security Maintenance	W. D. (Dean) Bartlett
1K6EA4	Vault Project Management	W. D. (Dean) Bartlett

5.7 Authority/Responsibility Matrix

Authority and responsibilities for this project are summarized in Appendix B and Section 5.6 of this project plan.

6. Schedules (Baseline)

The Remove SNM Material project schedule is provided in Appendix C. Detailed schedules will be developed and/or updated and will be maintained in Primavera Project Planner (P3).

7. Cost Estimate

The funding requirements for this project are listed in the following table.

Fiscal Year	Funding Requirement ($K)
1999	1,815
2000	1,815
2001	1,815
2002	TBD
2003	TBD
2004	TBD
2005	TBD
2006	TBD
2007	TBD
2008	TBD
2009	TBD
2010	TBD
2011	TBD
2012	TBD
2013	TBD
2014	TBD
Total	TBD

8. Quality Assurance

A. Quality Assurance Document Hierarchy

The BWHC Facility Stabilization Project Quality Assurance Program Plan (QAPP) (references FSP-MP-004) documents the BWHC organization and

functional responsibilities and interfaces for quality assurance (QA) and identifies procedures, instructions, and management systems to implement requirements appropriate to the BHWC work scope.

BWHC is currently responsible for the Facility Stabilization Projects and Advanced Reactor Projects. Due to the varied nature of BWHC Projects, the BWHC is a combination of an umbrella BWHC QAPP, which covers company activities and a set of Facility/Project specific QAPPs tailored to specific project tasks.

The PFP Quality Assurance Program Plan (QAPP), FSP-PFP-5-8, Volume 2, Section 15.1 of the PFP Administration Manual implements the quality assurance requirements of Title 10, Code of Federal Regulations, Part 830.120, Quality Assurance Requirements, and the Project Hanford QAPD, HNF-MP-599 and constitutes the specific PFP QAPP.

B. Quality Assurance Organization and Interface

The PFP structure, interfaces and levels of authority of the PFP organization are defined in the PFP Administration Manual, FSP-PFP-5-8, Section A, "Organizational Charts," and general responsibilities are described in Section B, "PFP Management Positions/Team Leaders – Key Functions."

C. Quality Assurance Requirements

PFP is subject to the requirements of Title 10, Code of Federal Regulations, Part 830.120, Quality Assurance Requirements, and shall comply with the applicable requirements described in the Project Hanford Quality Assurance Program Description (QAPD), HNF-MP-559. Appendix A, "QAPD Requirements Applicability Matrix," of the PFP QAPP identifies QAPD requirements that apply to each PFP organization.

9. Systems Engineering Plan

Due to the nature of the Remove SNM Material tasks and the level of negotiations required for the work, evaluations of options and work tasks are coordinated between DOE-RL, EM-64, BWHC and the Receiver Sites. Systems engineering support will be provided at PFP as it pertains to operations in the PFP.

10. Security

The PFP security program addresses the following security aspects: Physical protection of special nuclear material (SNM), nuclear material accountability & control, access control requirements, human reliability program protection, shipments and movement of SNM and storage of SNM.

A. Personnel Security (clearances)

Authorized access to the process area (2736ZB stabilization area) will be controlled by positive identification that will require a "two person rule". The two-person rule requires that at least two knowledgeable people in the Personnel Security Assurance Program be in the area when work is in progress.

Positive identification is performed at the Protected Area as well as at the Material Access Area.

B. Nuclear Material Accountability and Control

Domestic Safeguards Material Accountability and Control is applied to all SNM under Safeguards utilizing tamper indicating seals. Material surveillance procedures (two-person rule) are implemented utilizing personnel qualified under the personnel security assurance program in Category 1 SNM locations.

C. Physical Security

All material under safeguards will be protected under domestic security at all times. This will include utilization of locking devices for cubical storage and the use of transport wagons at all times. Material will be stored under vault protection when not attended.

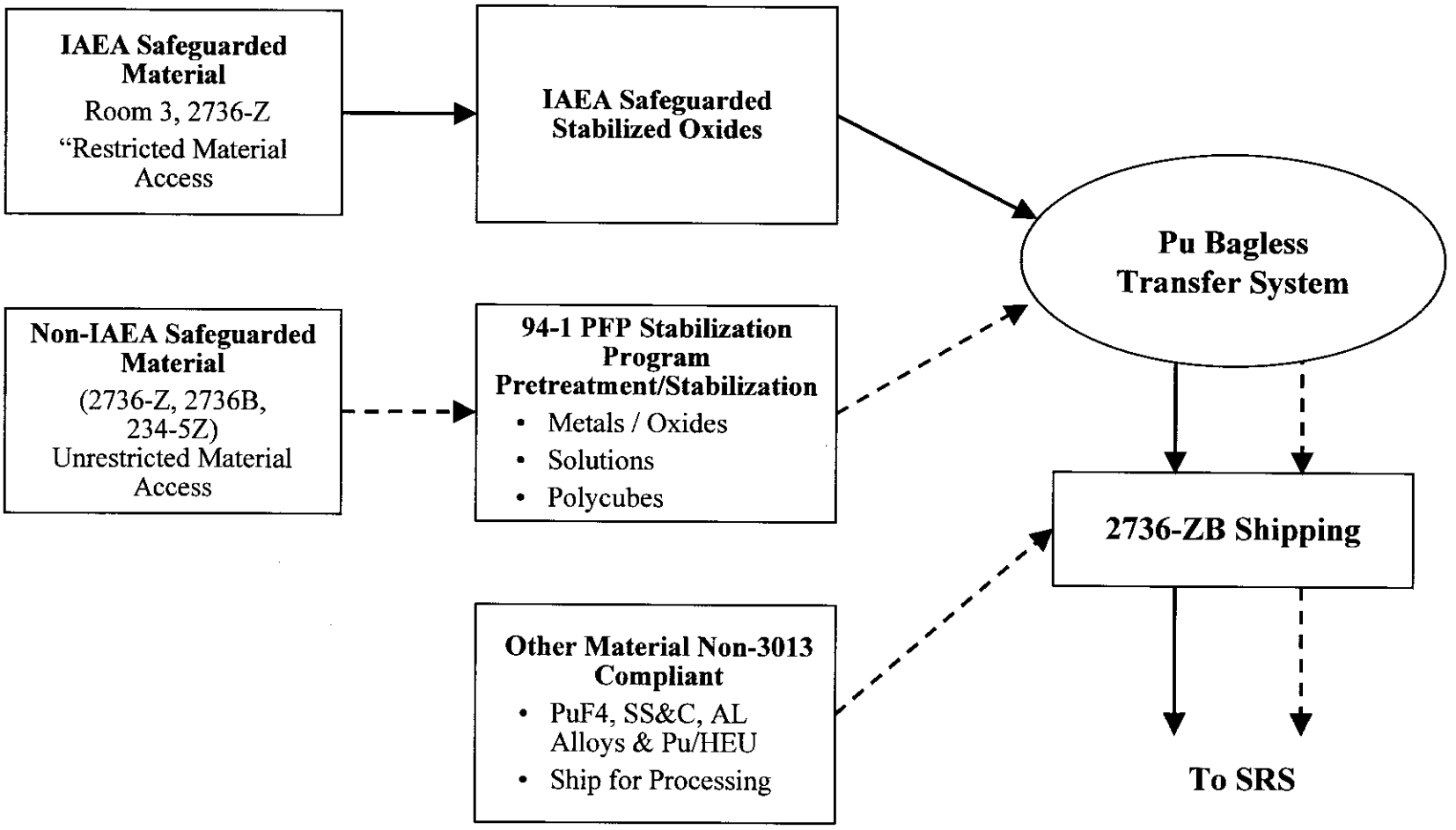
11. Project Management Plan Controls

The Project Manager will be responsible for insuring the Remove SNM Project Management Plan and its supporting schedules and estimates are kept current. A system to control changes will be implemented as part of the PFP IPMP controls. The Project Manager and the Program Manager will review and approve all changes to the Remove SNM PMP. For changes that do not involve moving funding or changing schedule, the Project Manager will have authority to approve changes. Operations, Engineering, ESH&Q and the Director will be asked to provide input on changes being considered. The electronic version of the PMP and IPMP will be maintained current. Updates to the hardcopy versions will be printed as required using a graded approach based upon the impact of the changes made. Issues will be tracked using the Issues Management List. Project reviews on the project commitments will be held monthly. Configuration Control of the Project Management Plan will comply with HNF-PRO-533, *Change Control.*

Appendix A

SNM Program
Relationship to 94-1 Activities

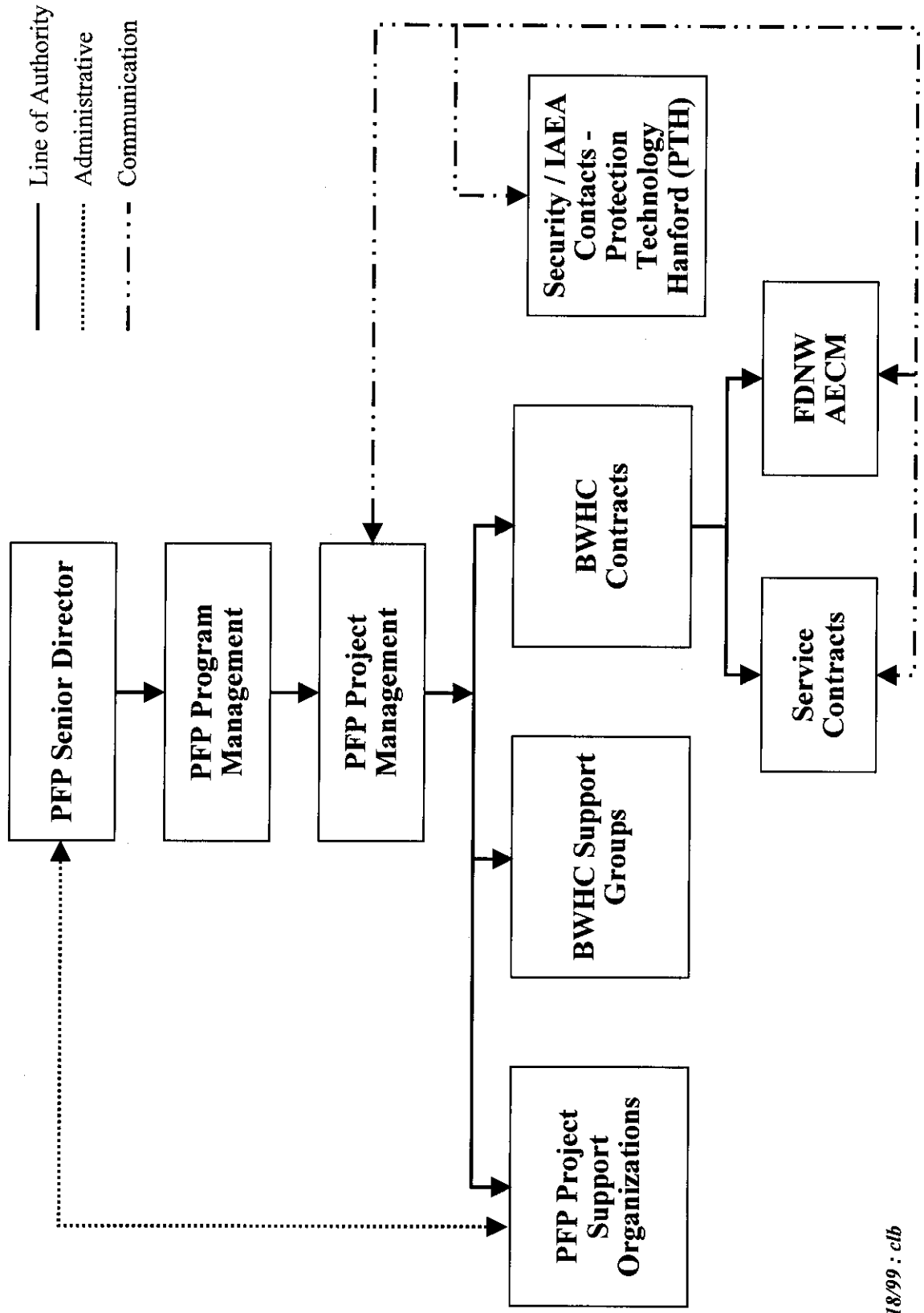
Appendix A
Remove SNM Material Program Relationship to 94-1 Activities



Appendix B

SNM Program
Primary Process Interfaces

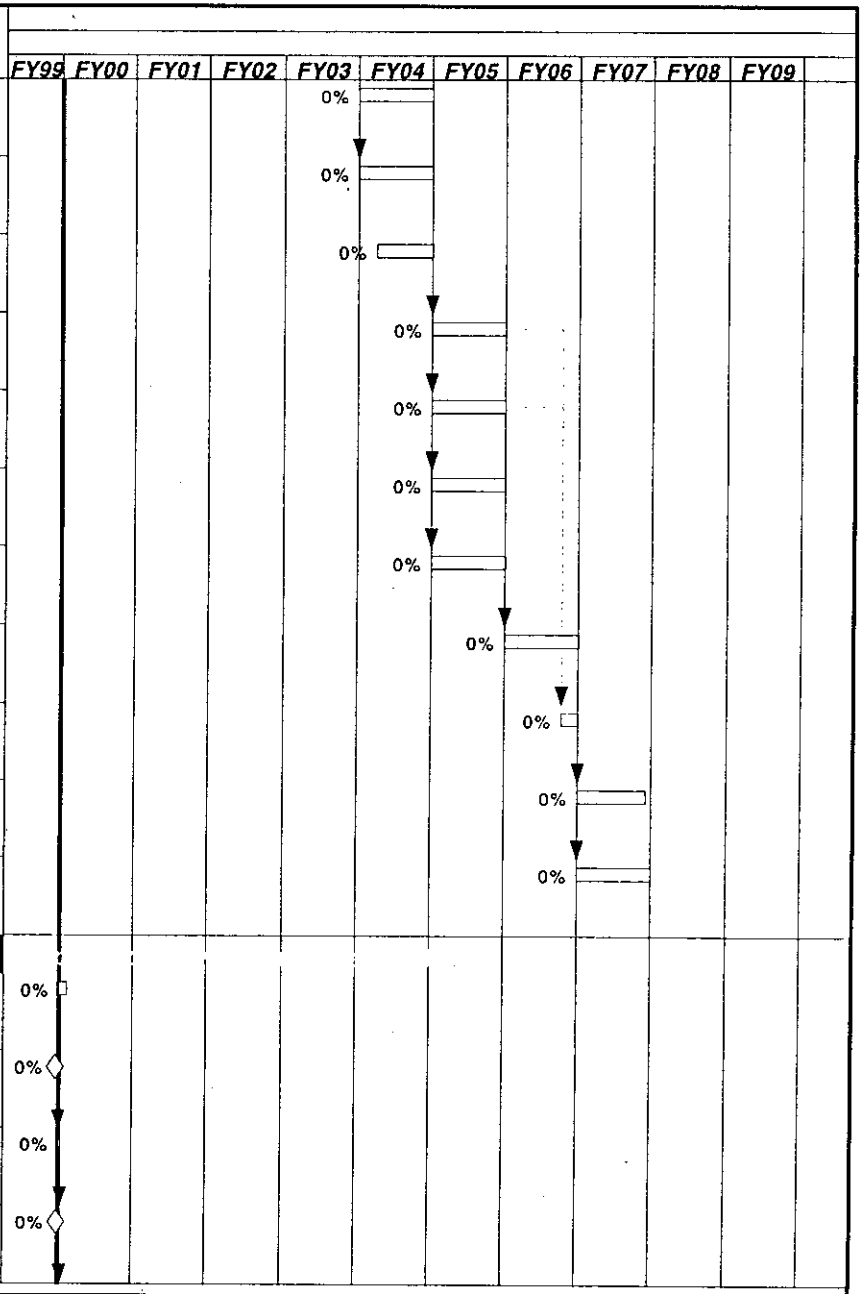
Appendix B
Primary Process Interfaces



Appendix C

SNM Program Schedule

Activity ID	IFCP	Activity Description	Orig Dur	Current Start	Current Finish
FBBCJ10	CMJR45	Fuel Pins Readiness Assessment/Ops	252	01OCT03*	30SEP04
FBBCJ12	CMJR60	FY04 Fuel Pins Project Management	252	01OCT03	30SEP04
FBBCJ14	LA2J10	FY04 Non-FFTF Fuel Pins Stabilization & Pack	190	02JAN04*	30SEP04
FBBCK10	CMJR10	FY05 Non-FFTF Fuel Pins Stabilization & Pack	251	01OCT04*	30SEP05
FBBCK12	CMJR15	FFTF Fuel Pins Downloading & Packaging	251	01OCT04*	30SEP05
FBBCK14	CMJR40	Fuel Pins Laboratory Support	251	01OCT04*	30SEP05
FBBCK16	CMJR65	FY05 Fuel Pins Project Management	251	01OCT04	30SEP05
FBBCL12	CMJR70	FY06 Fuel Pin Project Management	250	03OCT05	29SEP06
FBBCL10	CMJR25	FY06 Fuel Pin Shipping Offsite (3013)	62	05JUL06*	29SEP06
FBBCM10	CMJR0030	FY07 Fuel Pin Shipping Offsite (3013)	232	02OCT06	31AUG07
FBBCM12	CMJR75	FY07 Fuel Pin Project Management	251	02OCT06	28SEP07
1KFBBD Disposition Non-Contaminated HEU					
FBBD	FBBD	Disposition Non-Contaminated HEU	24	01OCT99	03NOV99
FBBDE10	FBBD00	M/S/O Disposition Non-Conaminated HEU	0	01OCT99*	
FBBDE12	FBBD06	Xsfr Non-Contmntd HEU Mtrl frm Strg to Ldng Area	4	01OCT99*	06OCT99
FBBDE16	FBBD32	M/S/O Transport Non-Contaminated HEU to Oak Rdge	0		06OCT99



Project Start 01SEP98
Project Finish 12SEP16
Data Date 01OCT99
Run Date 16JUN99

Early Bar
Progress Bar
Critical Activity

TOAD

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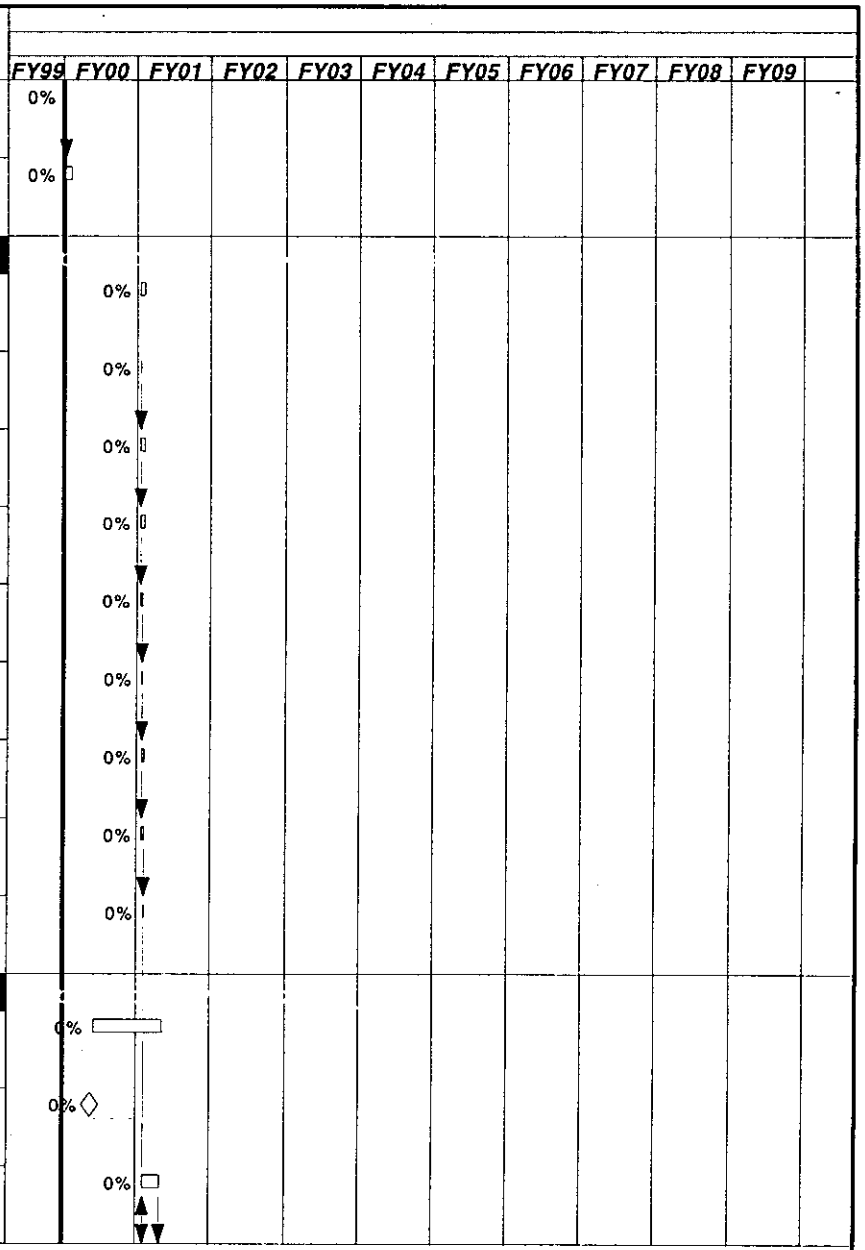
B & W HANFORD COMPANY
Plutonium Finishing Project - PFP
REMOVE SNM FROM PFP -APP-C

Activity ID	IFCP	Activity Description	Orig Dur	Current Start	Current Finish
FBBDE14	FBBD31	Load Non-Contaminated HEU for Shpmt to Oak Ridge	1	07OCT99	07OCT99
FBBDE18	KA-100C	Develop Project Completion Package for HEU	20	07OCT99	03NOV99
1KFBBE Disposition Fluoride Compounds					
FBBE	FBBE	Disposition Fluoride Compounds	14	17OCT00	03NOV00
FBBEF10	FBBE06	Transfer PuF4 Items From Storage	4	17OCT00	20OCT00
FBBEF12	FBBE11	Seal PuF4 Items in to Glovebox	11	18OCT00	01NOV00
FBBEF14	FBBE16	Repackage Pu Floride Compounds for Shipping	11	19OCT00	02NOV00
FBBEF16	FBBE21	Seal Out Items From Glovebox	5	20OCT00	26OCT00
FBBEF18	FBBE26	Perform NDA Analysis	5	23OCT00	27OCT00
FBBEF20	FBBE31	Transfer Back to Storage	5	24OCT00	30OCT00
FBBEF22	FBBE36	Transfer Items from Storage	4	25OCT00	30OCT00
FBBEF24	FBBE41	Load into DOT 6M Drums	4	31OCT00	03NOV00
1KFBBF Disposition Aluminum Alloys					
FBBF	FBBF	Disposition Aluminum Alloys	233	02MAR00	02FEB01
FBBFE10	FBBF00	M/S/O Repackage Aluminum Alloys	0	02MAR00	
FBBFF10	FBBF..6	Repackage & Ship Al Alloy to SRS	54*	06NOV00	25JAN01



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Project Finish 12SEP16
Data Date 01OCT99
Run Date 16JUN99

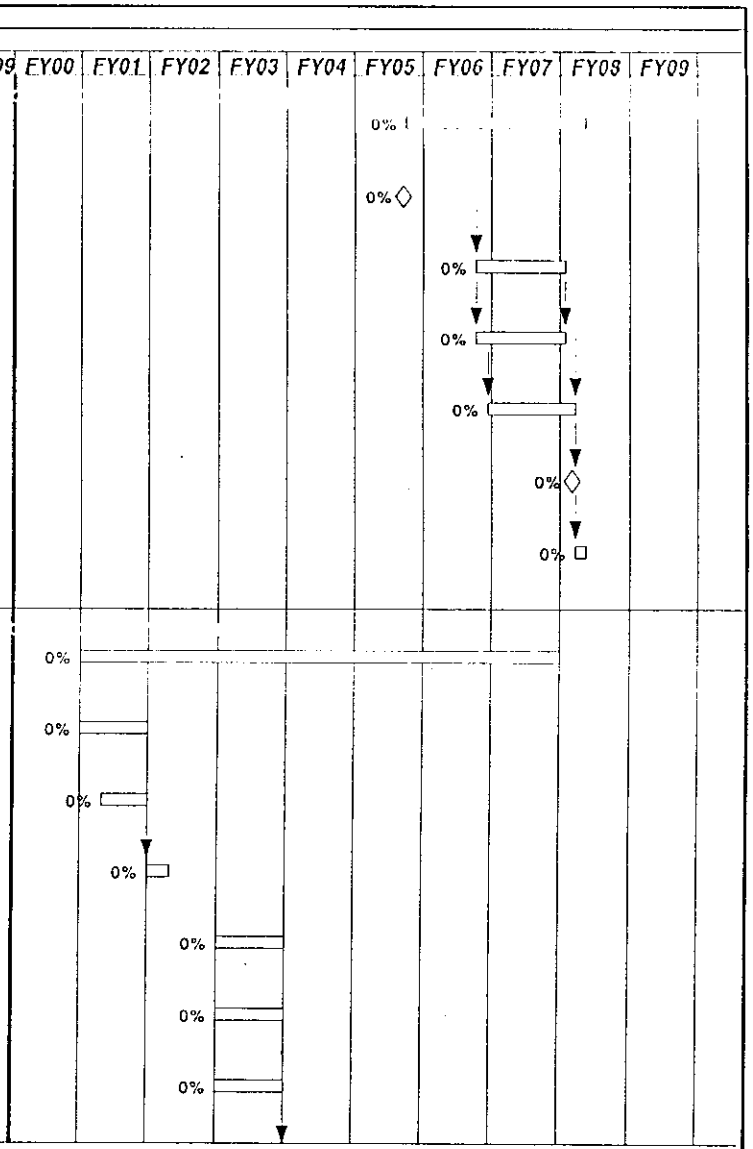
Early Bar
Progress Bar
Critical Activity

TOAD

Sheet 3 of 4

B & W HANFORD COMPANY
Plutonium Finishing Project - PFP
REMOVE SNM FROM PFP - APP-C

Activity ID	IFCP	Activity Description	Orig Dur	Current Start	Current Finish
1KFBBA Disposition Stabilized Product					
FBBA	FBBA	Disposition Stabilized Product	656	01JUL05	13FEB08
FBBAK10	FBBA00	M/S/O Package Material into 3013 Containers	0	01JUL05*	
FBBAL10	FBBA01	Xfer Items from Storage for Packaging in 3013	325	10JUL06	19OCT07
FBBAL12	FBBA10	Package in 3013 Containers for Shipment	325	11JUL06	22OCT07
FBBAL14	FBBA14	Transport 3013 Containers to SRS	325	06SEP06	19DEC07
FBBAN10	FBBA15	M/S/O Ship Stabilized Mtrl in 3013 Cntnrs to SRS	0		19DEC07
FBBAN12	KA-100	Develop Project Completion Package for 3013	36	20DEC07	13FEB08
1KFBBC Disposition Non-Irradiated FFTF Fuel					
FBBC	FBBC	Disposition Non-Irradiated FFTF Fuel	1,756	02OCT00	28SEP07
FBBCF12	CMJR50	FY01 Fuel Pins Project Management	251	02OCT00*	28SEP01
FBBCF10	CMJR20	Develop Spent Fuel Disposition	173	25JAN01	28SEP01
FBBCF10A	CMJR20	Develop Spent Fuel Disposition	78	01OCT01	24JAN02
FBBCH10	CMJR00	Dev Disposition Planning & Perf Characterization	251	01OCT02*	30SEP03
FBBCH12	CMJR35	Engr'ng & Environmental Documentation (Fuel Pins	251	01OCT02*	30SEP03
FBBCH14	CMJR55	FY03 Fuel Pins Project Management	251	01OCT02*	30SEP03



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Project Finish 12SEP16
Data Date 01OCT99
Run Date 16JUN99

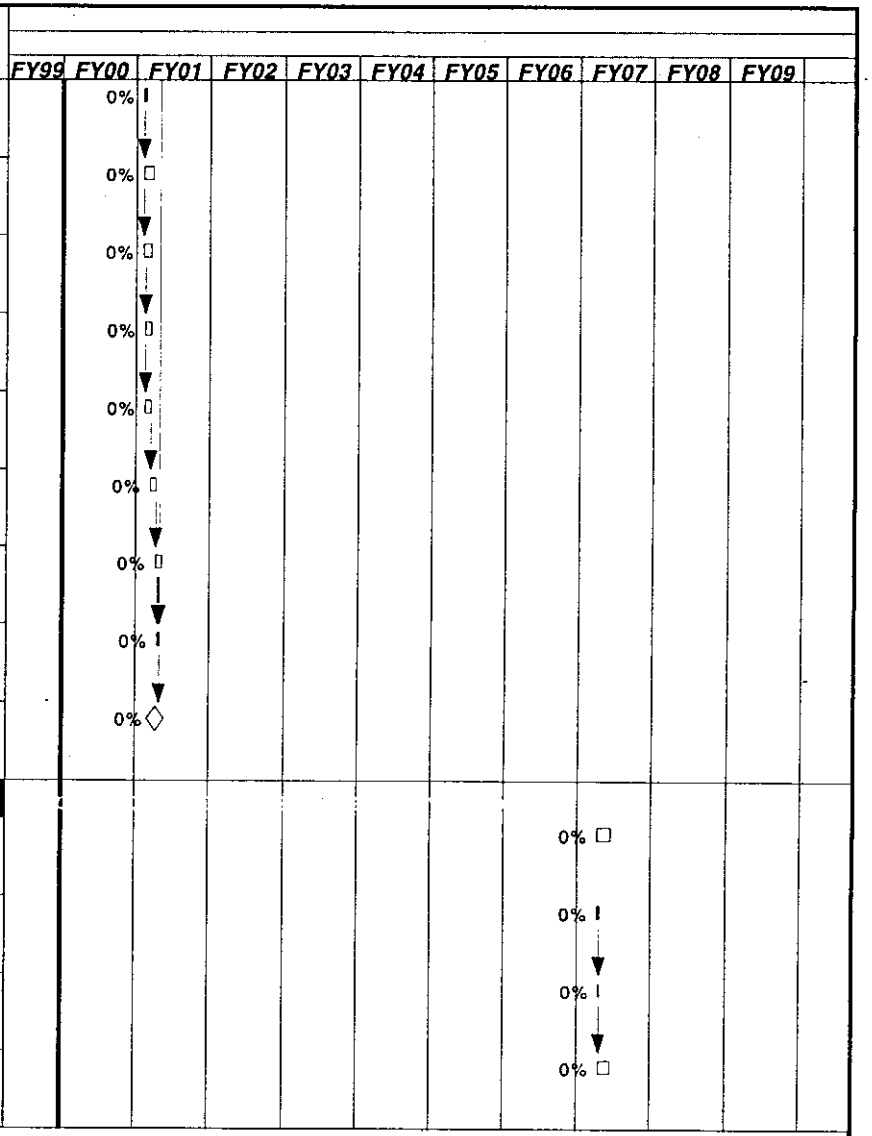
Early Bar
Progress Bar
Critical Activity

TOAD

Sheet 1 of 4

B & W HANFORD COMPANY
Plutonium Finishing Project - PFP
REMOVE SNM FROM PFP -APP-C

Activity ID	IFCP	Activity Description	Orig Dur	Current Start	Current Finish
FBBFF12	FBBF01	Transfer Al Alloy Items from storage	5	06NOV00	10NOV00
FBBFF14	FBBF05	Seal Al Alloy Items Into glovebox	27	07NOV00	15DEC00
FBBFF16	FBBF10	Repackage Items	18	08NOV00	05DEC00
FBBFF18	FBBF15	Seal Out Items From Glovebox	18	10NOV00	07DEC00
FBBFF20	FBBF20	Perform NDA Analysis	18	13NOV00	08DEC00
FBBFF22	FBBF25	Transfer Back to Storage	18	12DEC00	09JAN01
FBBFF24	FBBF30	Transfer Items From Storage	18	10JAN01	02FEB01
FBBFF26	FBBF35	Package Items Into DOT 6M Drums	11	11JAN01	25JAN01
FBBFF28	FBBF45	M/S/O Transfer Auminum Alloys to SRS	0		25JAN01
1KFBBG Disposition Special Isotope Sources -NMMS					
FBBG	FBBG	Disposition Special Isotope Sources -NMMS	41	10JAN07	08MAR07
FBBGM10	FBBG01	Transfer Sources from Storage to Loading Area	3	10JAN07	12JAN07
FBBGM12	FBBG06	Load Sources Into 9975s	4	11JAN07	16JAN07
FBBGM14	KA-100B	Dev Project Completion Package for Spec Isotopes	36	17JAN07	08MAR07



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Critical Activity

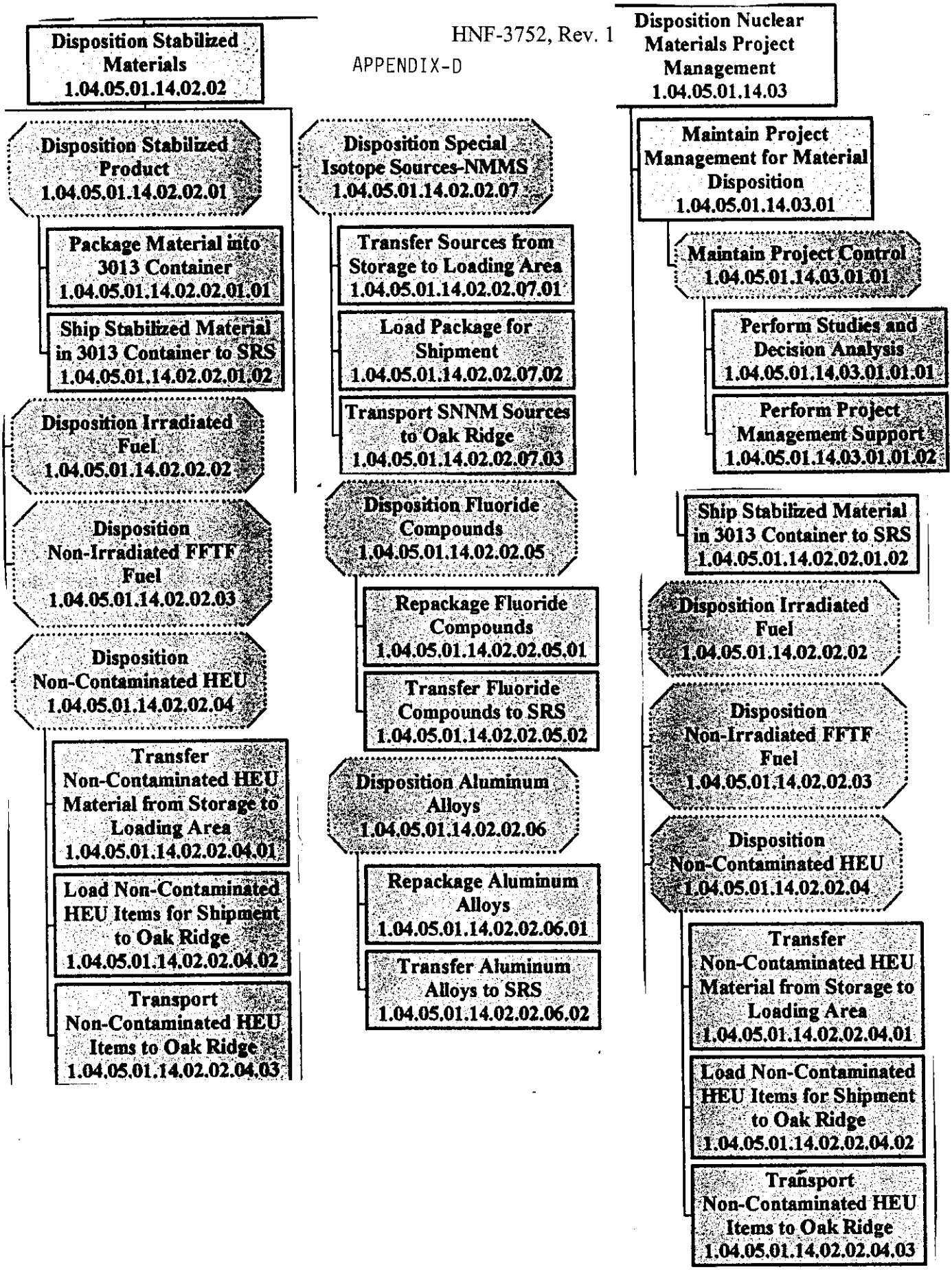
TOAD

B & W HANFORD COMPANY
Plutonium Finishing Project - PFP
REMOVE SNM FROM PFP - APP-C

Sheet 4 of 4

Appendix D

SNM Program
Work Breakdown Structure


Disposition Stabilized Materials
1.04.05.01.14.02.02
Disposition Stabilized Product
1.04.05.01.14.02.02.01
Package Material into 3013 Container
1.04.05.01.14.02.02.01.01
Ship Stabilized Material in 3013 Container to SRS
1.04.05.01.14.02.02.01.02
Disposition Irradiated Fuel
1.04.05.01.14.02.02.02
Disposition Non-Irradiated FFTF Fuel
1.04.05.01.14.02.02.03
Disposition Non-Contaminated HEU
1.04.05.01.14.02.02.04
Transfer Non-Contaminated HEU Material from Storage to Loading Area
1.04.05.01.14.02.02.04.01
Load Non-Contaminated HEU Items for Shipment to Oak Ridge
1.04.05.01.14.02.02.04.02
Transport Non-Contaminated HEU Items to Oak Ridge
1.04.05.01.14.02.02.04.03
Disposition Special Isotope Sources-NMMS
1.04.05.01.14.02.02.07
Transfer Sources from Storage to Loading Area
1.04.05.01.14.02.02.07.01
Load Package for Shipment
1.04.05.01.14.02.02.07.02
Transport SNNM Sources to Oak Ridge
1.04.05.01.14.02.02.07.03
Disposition Fluoride Compounds
1.04.05.01.14.02.02.05
Repackage Fluoride Compounds
1.04.05.01.14.02.02.05.01
Transfer Fluoride Compounds to SRS
1.04.05.01.14.02.02.05.02
Disposition Aluminum Alloys
1.04.05.01.14.02.02.06
Repackage Aluminum Alloys
1.04.05.01.14.02.02.06.01
Transfer Aluminum Alloys to SRS
1.04.05.01.14.02.02.06.02
Disposition Nuclear Materials Project Management
1.04.05.01.14.03
Maintain Project Management for Material Disposition
1.04.05.01.14.03.01
Maintain Project Control
1.04.05.01.14.03.01.01
Perform Studies and Decision Analysis
1.04.05.01.14.03.01.01.01
Perform Project Management Support
1.04.05.01.14.03.01.01.02
Ship Stabilized Material in 3013 Container to SRS
1.04.05.01.14.02.02.01.02
Disposition Irradiated Fuel
1.04.05.01.14.02.02.02
Disposition Non-Irradiated FFTF Fuel
1.04.05.01.14.02.02.03
Disposition Non-Contaminated HEU
1.04.05.01.14.02.02.04
Transfer Non-Contaminated HEU Material from Storage to Loading Area
1.04.05.01.14.02.02.04.01
Load Non-Contaminated HEU Items for Shipment to Oak Ridge
1.04.05.01.14.02.02.04.02
Transport Non-Contaminated HEU Items to Oak Ridge
1.04.05.01.14.02.02.04.03

DISTRIBUTION SHEET

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