S

ENGINEERING CHANGE NOTICE

H

Page 1 of 2

1. ECN 654892

Proj. ECN

2. ECN Category (mark one)	3. Originator's Name, Organization, MSIN, and Telephone No.	4. USQ Required?	5. Date
Supplemental ○ Direct Revision ◉ Change ECN ○ Temporary ○ Standby ○ Supersedure ○ Cancel/Void ○	W. D. Bartlett, T5-50, 373-3997 PFP Project Management	○ Yes ◉ No	08/26/99
	6. Project Title/No./Work Order No.	7. Bldg./Sys./Fac. No. PFP	8. Approval Designator N/A
	9. Document Numbers Changed by this ECN (includes sheet no. and rev.) HNF-3751 Rev. 0	10. Related ECN No(s). none	11. Related PO No. none

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) ◉ No (NA Blks. 12b, 12c, 12d)	N/A	N/A Design Authority/Cog. Engineer Signature & Date	N/A 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 ○ Design Improvement ◉ Environmental ○ Facility Deactivation ○ As-Found ○ Facilitate Const. ○ Const. Error/Omission ○ Design Error/Omission ○	Complete revision to reflect more recent data and planning.

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

See attached

RELEASE STAMP

SEP 14 1999

DATE:

STA: 5

HANFORD RELEASE

ID: 12

A-7900-013-2 (10/97)

A-7900-013-1

ENGINEERING CHANGE NOTICE

1. ECN (use no. from pg. 1): 654892

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 WDBartlett	8/24/99	PE		
Cog. Mgr.	W. D. Bartlett WDBartlett	8/24/99	QA		
QA			Safety		
Safety			Design		
Environ.			Environ.		
Other	see below		Other		
	J. C. Sinclair	8/26/99			
	F. R. Crawford for	8/26/99			
	P. E. Roege	8/31/99	DEPARTMENT OF ENERGY		
	L. L. Reed	8/24/99	Signature or a Control Number that tracks the Approval Signature		
			ADDITIONAL		

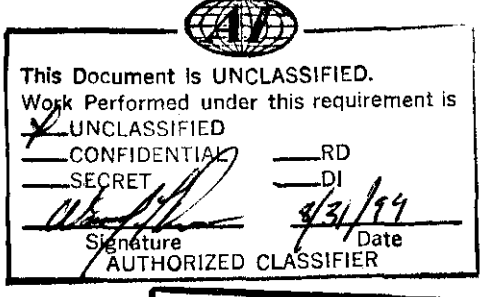
PROJECT MANAGEMENT PLAN FOR IAEA SAFEGUARDS PROJECT

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

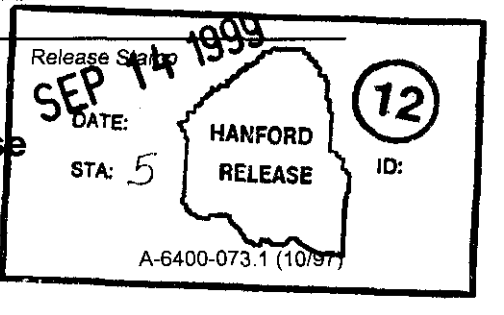
EDT/ECN: 65489 ~~23883~~ per telecon 9/14/99 dmp UC: 2050
Org Code: 15000 Charge Code: 103404
B&R Code: 7040000 Total Pages: ~~25~~ 24
~~23883~~ per telecon 9/14/99 dmp

Key Words:
Project Management Plan, IAEA, PFP, Plutonium Storage

Abstract:
This plan presents the overall objectives, description, justification and planning for the PFP IAEA project. 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



Release Approval 9/14/99 Date



Approved For Public Release

RECORD OF REVISION

(1) Document Number: HNF-3751

(2) Title: IAEA SAFEGUARDS 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 612493 dated 2/9/99 ~~621552 June 15 1999~~ ~~per~~ Telecon 9/14/99	~~WDBartlett 8/31/99~~ WD Bartlett	~~WDBartlett 8/31/99~~ WD Bartlett
1 RS	Complete revision VA ECN-654892 ~~AUG 31, 1999~~	~~WDBartlett 8/31/99~~ WD Bartlett	~~WDBartlett 8/31/99~~ WD Bartlett

Project Management Plan
International Atomic Energy Agency (IAEA) Safeguards Project Plutonium Finishing Plant

HNF-3751, Rev. 1

W. D. (Dean) Bartlett
Project Manager

August 1999

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1. Introduction

1.1 Project Plan Purpose

This plan presents the overall objectives, description, justification and planning for the Plutonium Finishing Plant (PFP) International Atomic Energy Agency (IAEA) project. 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 plan is the top-level definitive project management document for PFP International Atomic Energy Agency (IAEA) project. It specifies the technical, schedule, requirements, and the cost baselines to manage the execution of the IAEA project. Any deviations to the document must be authorized through the appropriate change control process.

1.2 Project Description

The IAEA Safeguards project provides the necessary support and controls necessary for the U.S. Department of Energy (DOE), Headquarters (HQ) and IAEA for tours, verification inspections, IAEA vault corrective and preventive maintenance and vault security maintenance.

1.3 Project Mission

This 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 IPMP. The overall project mission is provided in the IPMP.

The mission of the IAEA Safeguards project is to stabilize, provide interim storage, package and ship plutonium (Pu)-bearing material placed under IAEA safeguards at the PFP.

1.4 Project Background

In September of 1993, President Clinton offered to place excess U.S. nuclear materials under the IAEA safeguards. In January of 1994, the Hanford Site was identified as the second site (Oak Ridge was the first) in the U.S. to be prepared for placement of the eligibility list for IAEA safeguards selection. Planning and preparation started at Hanford in February 1994.

Approximately one metric ton of plutonium oxide in various levels of concentrations, enrichments, and purity are under IAEA safeguards at the site. Approximately 1,100 items reside in 42 cubicles in a singe PFP vault. The placement of an approximate metric ton was done in two separate phases. The first phase, termed the "Initial Office," consisted of placing approximately 500 items under IAEA safeguards, and it was completed in December 1994. The second phase, called the "Inventory Change," consisted of approximately 600 items, and it was completed in August of 1995. In November of 1996, on additional container was placed under safeguards.

Since the initial December 1994 offer, IAEA personnel have been performing monthly ad hoc inspections. These inspections are implemented as part of a negotiated "IAEA Design Information Questionnaire package for the PFP," Revision 1.0, dated March 3, 1998. These will continue until formal inspections are implemented after a "Facility Attachment for the Hanford Site" has been negotiated between the U.S. and the IAEA. In addition, once every year, the agency verifies the inventory through random item selection and a variety of measurements.

1.5 Project Relationship to the Total Stabilization Program

This 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:

- Integrated project Management Plan, presents the overall planning strategies and scope for the above.
  - Project planing at the functional level.
  - Facility Surveillance and Maintenance.
  - Material storage (vaults)
  - IAEA support activities (THIS PLAN)
  - Material Stabilization
    - Project planning to support Material Stabilization activities.
    - Metals and Oxides Stabilization.
    - Polycubes Stabilization.
    - Residues Disposition.
    - Project W-460, Bagless Transfer System (BTS) construction.
    - BTS Operations.
    - Fuels Management.
    - Special Nuclear Materials.
    - Special Isotopes.
  - Facility Transition.
  - Material Shipments.
  - Post Deactivation Surveillance and Maintenance.

2. Work Scope

2.6 Work Scope

Process Flow Description

Appendix 1 provides 1) the major process steps associated with the IAEA project and 2) the overall relationships to the 94-1 activities. Material stored in room 3 of the 2736-Z Building will be stabilized and packaged to 3013 criteria. Interim storage will be provided until material is shipped to SRS. Final packaging to DOE-STD-3013 (3013) criteria for long-term storage and shipment to the Savannah River Site (SRS) will be provided following BTS processing activities.

Facility Modifications/Equipment Installation

No additional facility modifications or equipment installation will be required. Facility modifications are not driven by the IAEA.

Operations

This work scope includes support to DOE-HQ and IAEA, tours and verification inspections, IAEA vault corrective and preventative maintenance, and vault security maintenance.

2.7 Requirements Baseline

2.7.1 Driving Requirements

Driving requirements are those requirements that define the project mission. The Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 94-1 SISMP, Revision 5, dated May 1997, has been the source of driving requirements for the PFP projects. In the case of the IAEA work, there are no specific requirements identified in the SISMP. Requirements for this work are contained in agreements between the U.S. and the IAEA for the Application of Safeguards in the USA.

Interpretation:
An approach for IAEA safeguards before, during, and after the stabilization process will be developed which allows the IAEA to reach the conclusion that no SNM has been diverted from the IAEA inventory.

Assumptions:
Materials are processed in batches that provide traceability from storage items to stabilized items.

Items under safeguards and those not under safeguards are not mixed.

No sensitive data will be involved.

No future, additional Hanford plutonium is currently planned to be offered for placement under IAEA safeguards until after it has been stabilized.

Early integration of IAEA perspective into design of the BTS and Vault modifications will eliminate significant impacts on the BTS design and installation.

Negotiations of IAEA oversight requirements (currently four options) will not result in significant impact to the project.

2.7.2 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.

2.7.3 Key Interfaces

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

Due to the possibility of several related processes going on at the same time, this project will have interfaces with the other subprojects. These interfaces include items such as material flow, feed and stabilized material transfers, staging, radiation effects, and airborne radiation areas. Evaluations of the material flow during the different 94-1 operations and interactions between them will need to be conducted as required to ensure a smooth flow of material.

2.7.4 Key Milestones

There are no formal milestones established at this time.

3. Work Breakdown Structure

The IAEA Project Work Breakdown Structure (WBS) is shown in Section 5.3. 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 IAEA Safeguards Project will complete stabilization, packaging, and shipment of the material placed under IAEA safeguards. The strategy for this project is to complete the work within the current project management structure, minimize impacts to the other projects' tasks and complete the IAEA work as efficiently as possible.

5. Management

The IAEA project is under the direction of the PFP Senior Director. Support for the subproject activities is provided by various support groups within the PFP organization.

5.1 Project Management Roles and Responsibilities

The individual cost account packages for this subproject are identified in Section 5.3.

5.1.1 Project Manager

- Planning, managing, and maintaining the technical, schedule, and cost baseline for the project.
- Selecting and directing cost account managers responsible for delivering discrete products and services defined by assigned WBS elements.
- Maintaining a trained and qualified work force to complete the cost account products.
- Effectively resolving issues impacting project completion.
- Providing monthly project status of performance to the PBS manager.
- Acting as primary point of contact for all issues pertaining to the project.
- Obtaining and directing other support functions necessary to ensure project completion.
- Providing effective personnel resources utilization.
- Ensure project meets the applicable safety, health, and environmental requirements.

5.1.2 Cost Account Managers

The individual cost account managers are responsible for the following:

- Planning and completing the applicable cost account work scope in accordance with the technical, schedule, and cost baselines established in this plan.
- Identifying work package managers as needed and ensuring that their work is properly managed to achieve control account objectives.
- Performing work in a manner that meets the subproject's quality objectives.
- Ensuring resource requirements are identified to matrix organizations.
- Maintaining a trained and qualified work force to complete the cost account products.
- Achieving operational safety and compliance with permit requirements.
- Evaluating and reporting monthly cost account status to the project manager.
- Maintaining required operational efficiencies to achieve project objectives.
- Developing and implementing corrective action plans as needed.
- Directing and working with work package managers to complete the work packages as planned.

5.2 Primary Project Interfaces

Primary project interfaces are shown on Appendix 2.

5.3 Responsibility Assignment Matrix

WBS	TITLE	RESPONSIBLE MANAGER
1K6E	IAEA Safeguards Support at PFP	Dean Bartlett
1K6EA	IAEA Safeguards Support at PFP	Dean Bartlett
1K6EA1	PFP Support to HQ and IAEA	Dean Bartlett
1K6EA2	Verification Inspection/Tours at PFP	Dean Bartlett
1K6EA3	IAEA Vault Miscellaneous Maintenance	Dean Bartlett
1K6EA4	Vault # 3 Security Maintenance	Dean Bartlett
1K6EA5	IAEA Vault Project Management	Dean Bartlett

5.4 Authority/Responsibility Matrix

Authority and responsibilities for this project are summarized in Appendix 2 and Section 5.3 of this project plan.

6. Schedules (Baseline)

The IAEA project schedule is provided in Appendix 3. 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 REQUIREMENTS ($K)
1999	516
2000	643
2001	643
2002	643
2003	643
2004	643
2005	643
2006	643
2007	643
2008	559
2009	559
2010	559
2011	581
2012	601
2013	601
2014	601
TOTAL	9,721

8. Quality Assurance

A. Quality Assurance Document Hierarchy

The B&W Hanford Company (BWHC) Facility Stabilization Project Quality Assurance Program Plan (QAPP) (Reference FSP-MP-004) documents the BWHC organization and functional responsibilities and interfaces for Quality Assurance (QA) and identifies procedures,

instruction, and management systems to implement requirements appropriate to the BWHC work scope.

BWHC is currently responsible for the PFP Stabilization Project, among others. Due to the varied nature of BWHC projects, the BWHC QAPP 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 QAPP, FSP-PFP-5-8, Volume 2, Section 15.1 of the *PFP Administration Manual* implements the QA requirements of Title 10, Code of Federal Regulations, part 830.120, "Quality Assurance Requirements," and the Project Hanford Quality Assurance Program Description (QADP), 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, "Organization 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 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 IAEA tasks and the level of negotiations required for the work, evaluations of options and work tasks are coordinated between DOE, Richland Operations Office (RL), NN-44, EM-64, and the IAEA Secretariat. Systems Engineering support will be provided 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 and 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 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 Personal Security Assurance Program be in the area when work is in progress.

IAEA Inspectors' badging requirements for the PFP are prepared in advance of the planned itinerary. Positive identification is performed in 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 International 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 International 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. Escorting requirements shall be in effect at all times for agency personnel at PFP to insure that agency personnel are restricted to approved security plan routes and facility locations. Escorts will ensure that agency personnel are not afforded access to classified information or other domestic SNM holdings.

11. Project Management Plan Controls

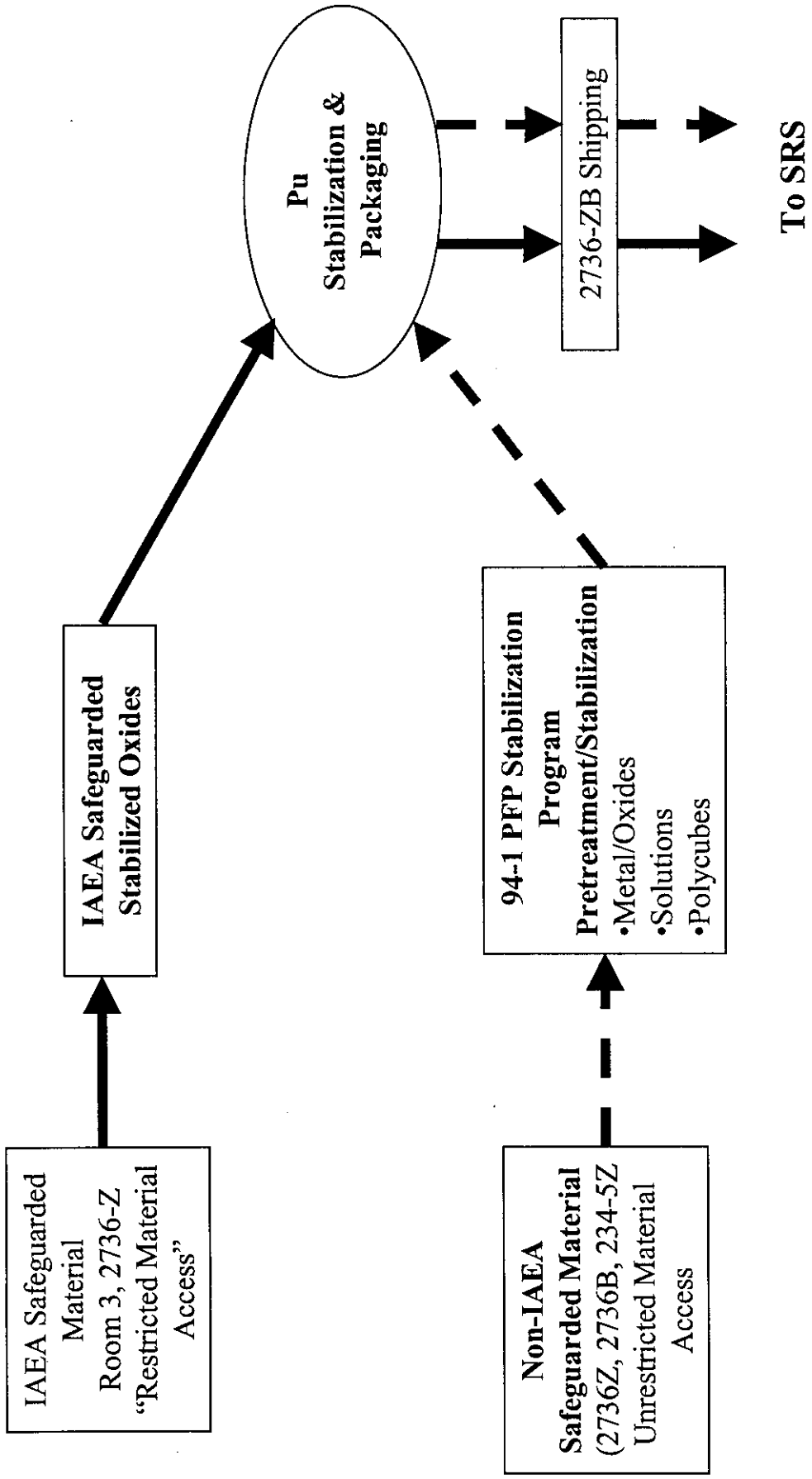
The IAEA Safeguards Project manager will be responsible for insuring the IAEA Safeguard Project Management Plan (PMP) and its supporting schedules and estimates are kept current. A system to control changes will be implemented as part of the PFP IPMP controls. The Project Manager and the Program Manager will review and approve all changes to the IAEA Safeguards PMP. For changes

that do not involve moving funding or changing schedules, 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 PFP and IPMP will be maintained current. Updates to the hardcopy versions will be printed as required using the graded approach based upon the impact of the changes made. Issues will be tacked using the Issues Management List. Project reviews on the project commitments will be held monthly. Configuration Control of the PMP will comply with HNF-PRO)-533, *Change Control.*

Appendix A

IAEA Program
Relationship to 94-1 Activities

Appendix A
IAEA PROGRAM RELATIONSHIP TO 94-1 ACTIVITIES

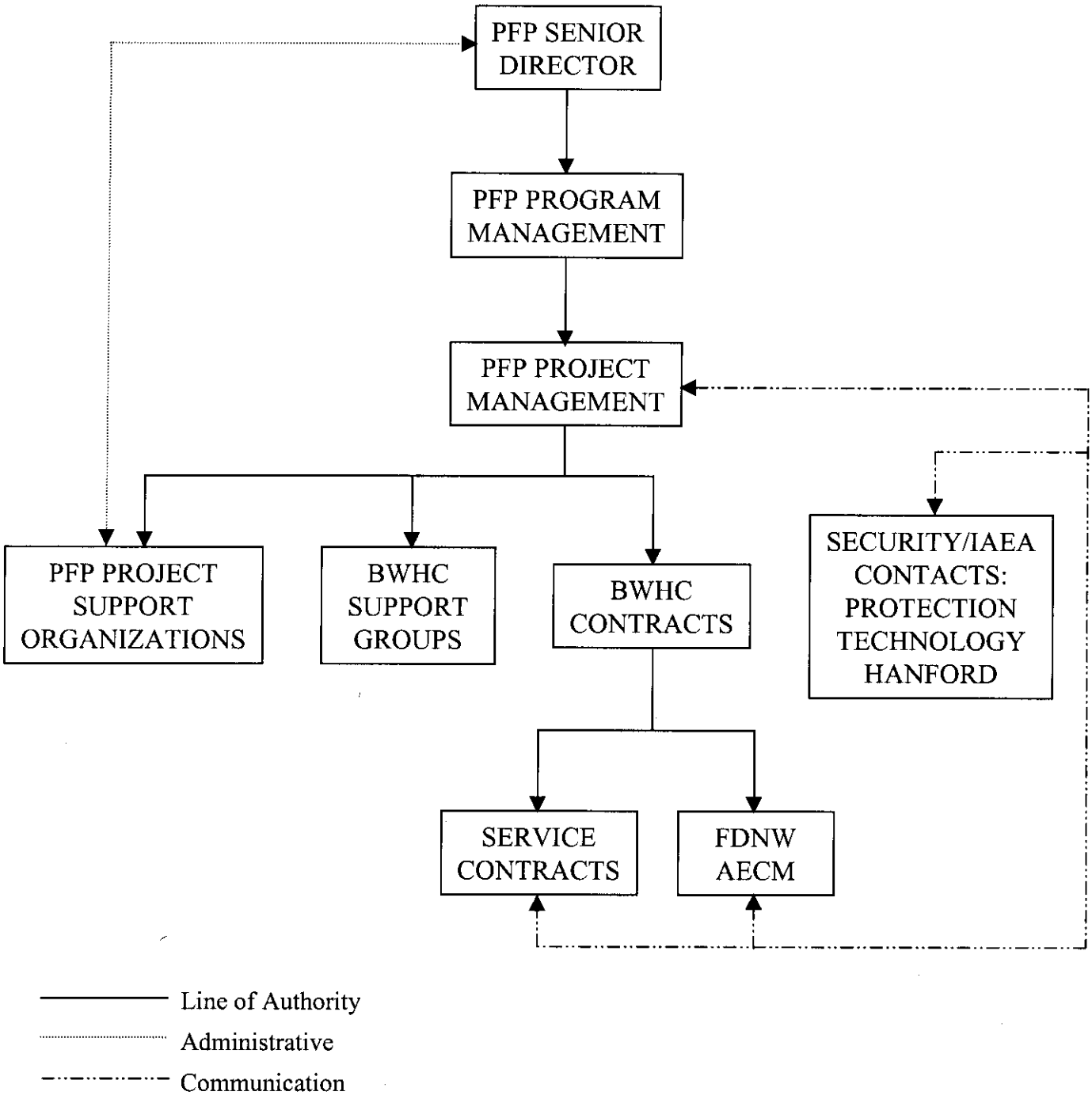


Appendix B

IAEA Program
Primary Project Interfaces

APPENDIX B

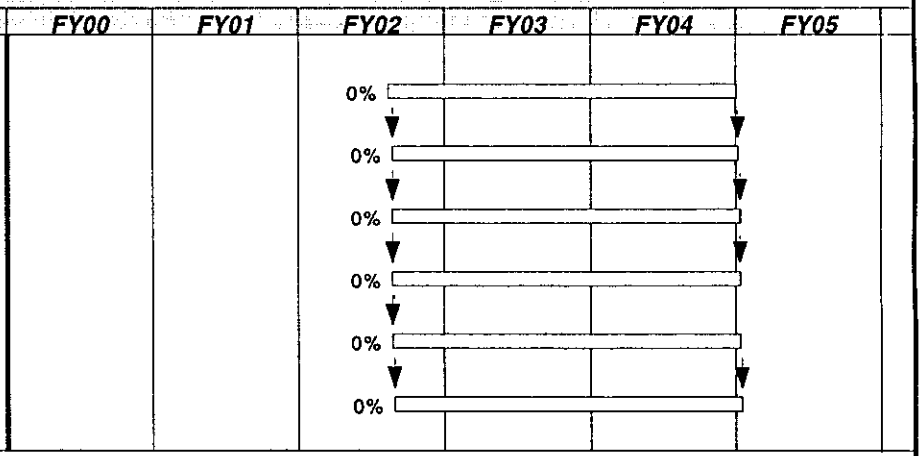
Primary Project Interfaces



Appendix C

IAEA Program
Materials Stabilization Schedule

Activity ID	IFCP	Activity Description	Orig Dur	Current Start	Current Finish
1KEADB		**Transfer & Process Pu Oxides/MOX**			
EADBG10	EADB06	**Transfer Feed from Vault Storage to Process Area**	597	14MAY02*	28SEP04
EADBG12	EADB16	**Transfer Oxide/MOX Item to Charge Prep Glovebox**	597	21MAY02	05OCT04
EADBG14	EADB26	**Prepare Feed for Stabilization**	597	23MAY02	07OCT04
EADBG16	EADB36	**Thermally Stabilize Feed**	597	24MAY02	08OCT04
EADBG18	EADB46	**Remove Product from Muffle Furance**	597	24MAY02	08OCT04
EADBG20	EADB56	**Perform Product Handling**	597	28MAY02	11OCT04



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HNF-3751, Rev. 1

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

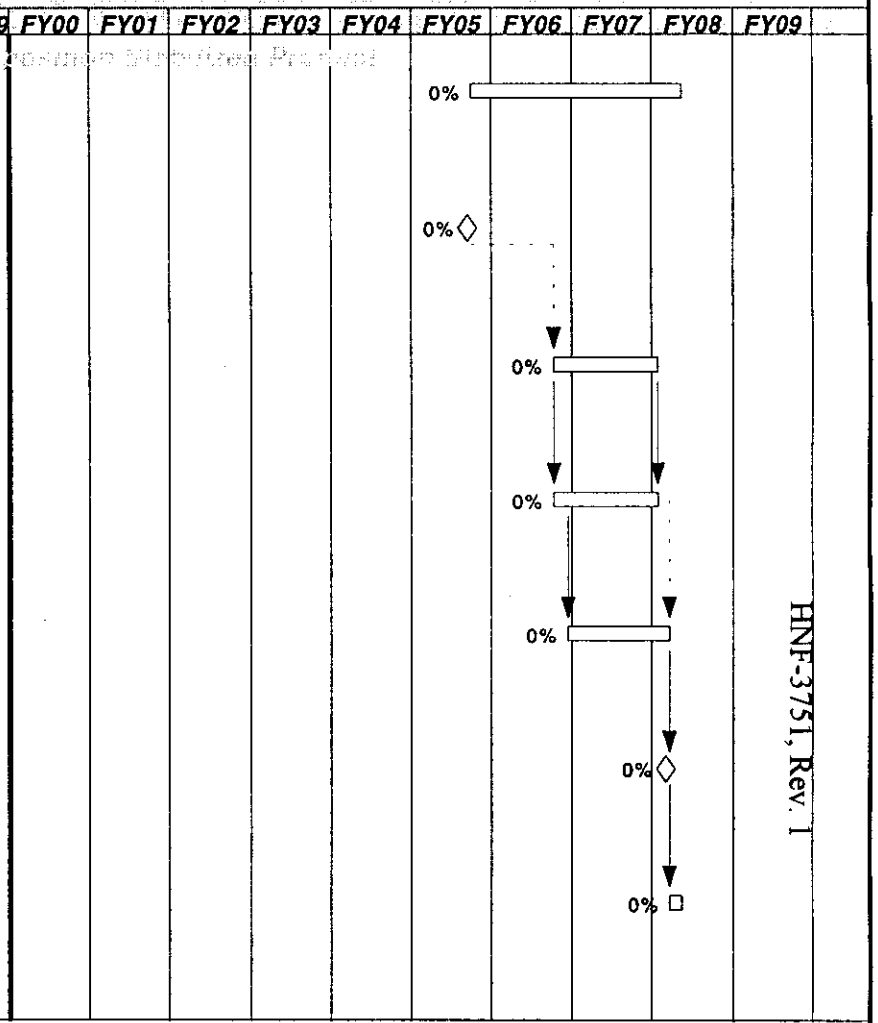
Early Bar
Progress Bar
Critical Activity

TOAD

Sheet 1 of 1

B & W HANFORD COMPANY
Plutonium Finishing Project - PFP
IAEA Materials Stabilization 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



HNF-3751, Rev. 1

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

Early Bar
Progress Bar
Critical Activity

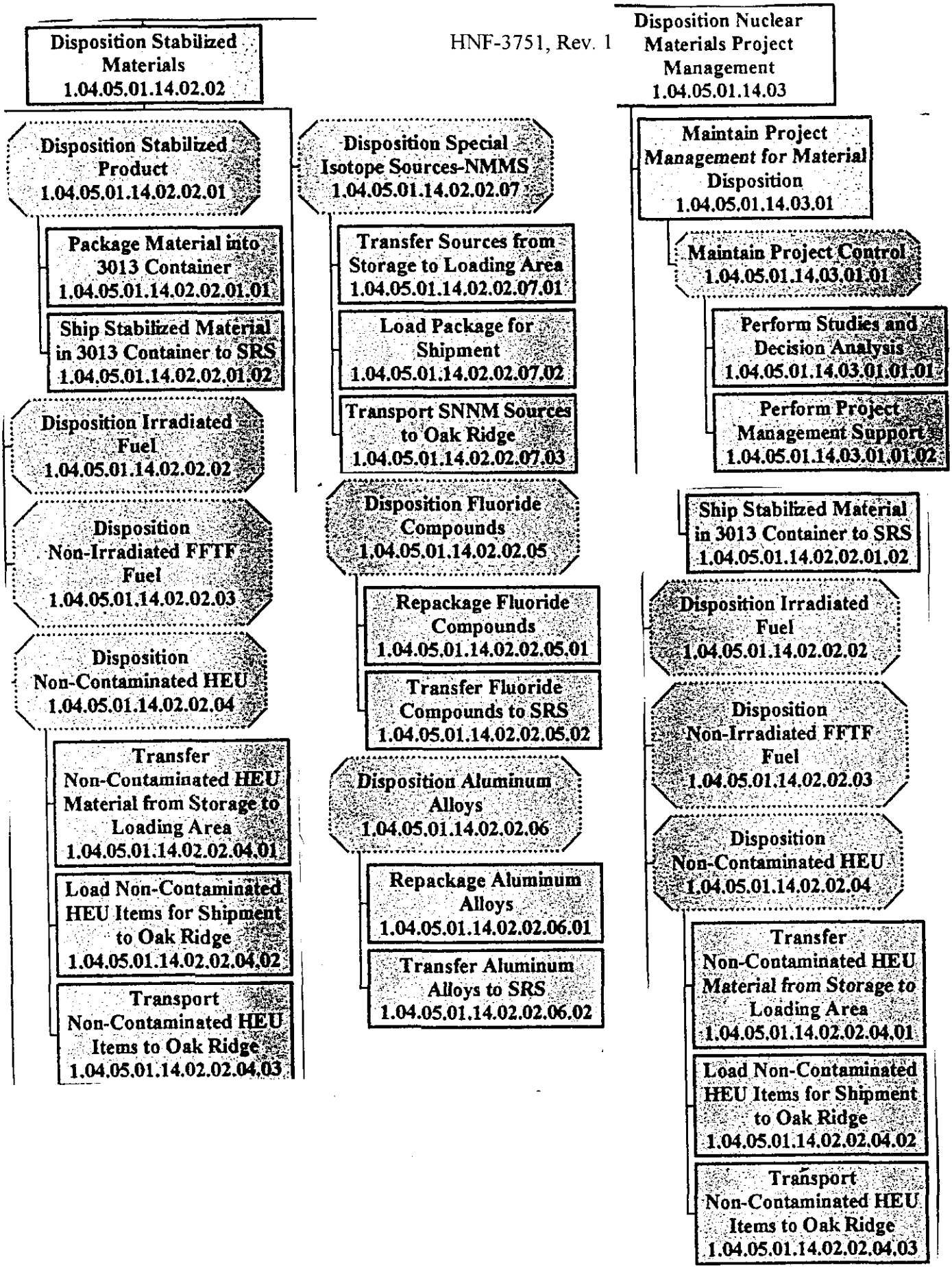
TOAD

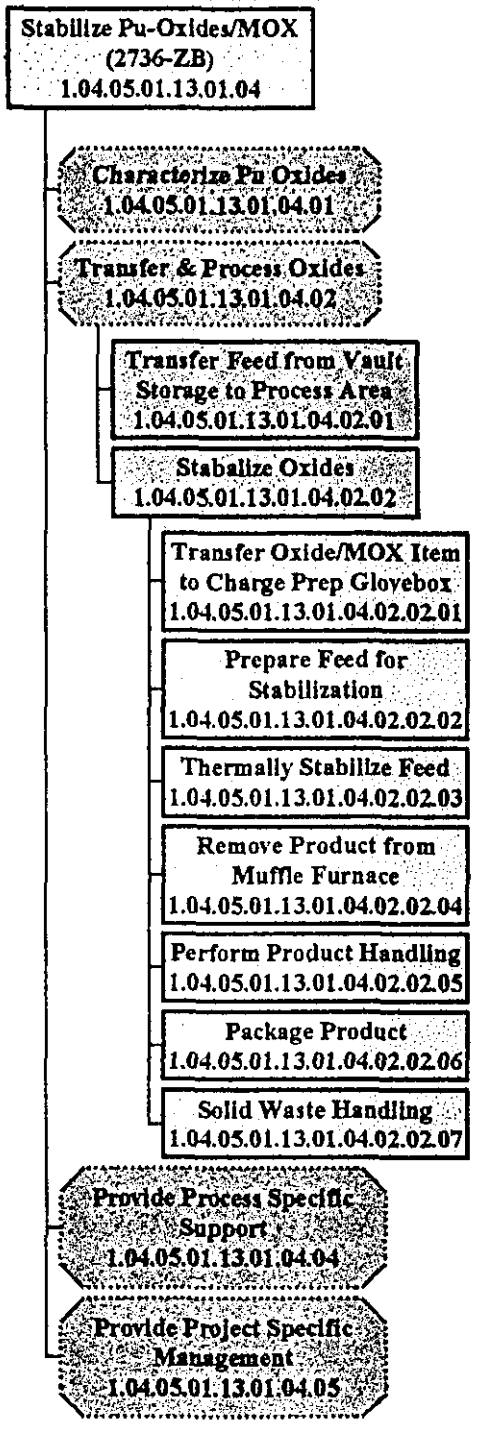
Sheet 1 of 1

B & W HANFORD COMPANY
Plutonium Finishing Project - PFP
IAEA MATERIALS SHIPMENT - APP.C

Appendix D

IAEA 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


Stabilize Pu-Oxides/MOX (2736-ZB) 1.04.05.01.13.01.04
Characterize Pu Oxides 1.04.05.01.13.01.04.01
Transfer & Process Oxides 1.04.05.01.13.01.04.02
Transfer Feed from Vault Storage to Process Area 1.04.05.01.13.01.04.02.01
Stabalize Oxides 1.04.05.01.13.01.04.02.02
Transfer Oxide/MOX Item to Charge Prep Glovebox 1.04.05.01.13.01.04.02.02.01
Prepare Feed for Stabilization 1.04.05.01.13.01.04.02.02.02
Thermally Stabilize Feed 1.04.05.01.13.01.04.02.02.03
Remove Product from Muffle Furnace 1.04.05.01.13.01.04.02.02.04
Perform Product Handling 1.04.05.01.13.01.04.02.02.05
Package Product 1.04.05.01.13.01.04.02.02.06
Solid Waste Handling 1.04.05.01.13.01.04.02.02.07
Provide Process Specific Support 1.04.05.01.13.01.04.04
Provide Project Specific Management 1.04.05.01.13.01.04.05

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