

DNFSB Recommendation 94-1 Hanford Site Integrated Stabilization Management Plan

Date Published
October 1995

Prepared for the U.S. Department of Energy
Office of Environmental Restoration and
Waste Management



**Westinghouse
Hanford Company**

P.O. Box 1970
Richland, Washington

Hanford Operations and Engineering Contractor for the
U.S. Department of Energy under Contract DE-AC06-87RL10930

MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

Approved for Public Release

DISCLAIMER

**Portions of this document may be illegible
in electronic image products. Images are
produced from the best available original
document.**

RELEASE AUTHORIZATION

Document Number: WHC-EP-0853, Rev. 1, Volumes 1 and 2

Document Title: DNFSB Recommendation 94-1 Hanford Site Integrated Stabilization Mangement Plan

Release Date: 10/27/95

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

APPROVED FOR PUBLIC RELEASE

WHC Information Release Administration Specialist:


Kara M. Broz

October 27, 1995

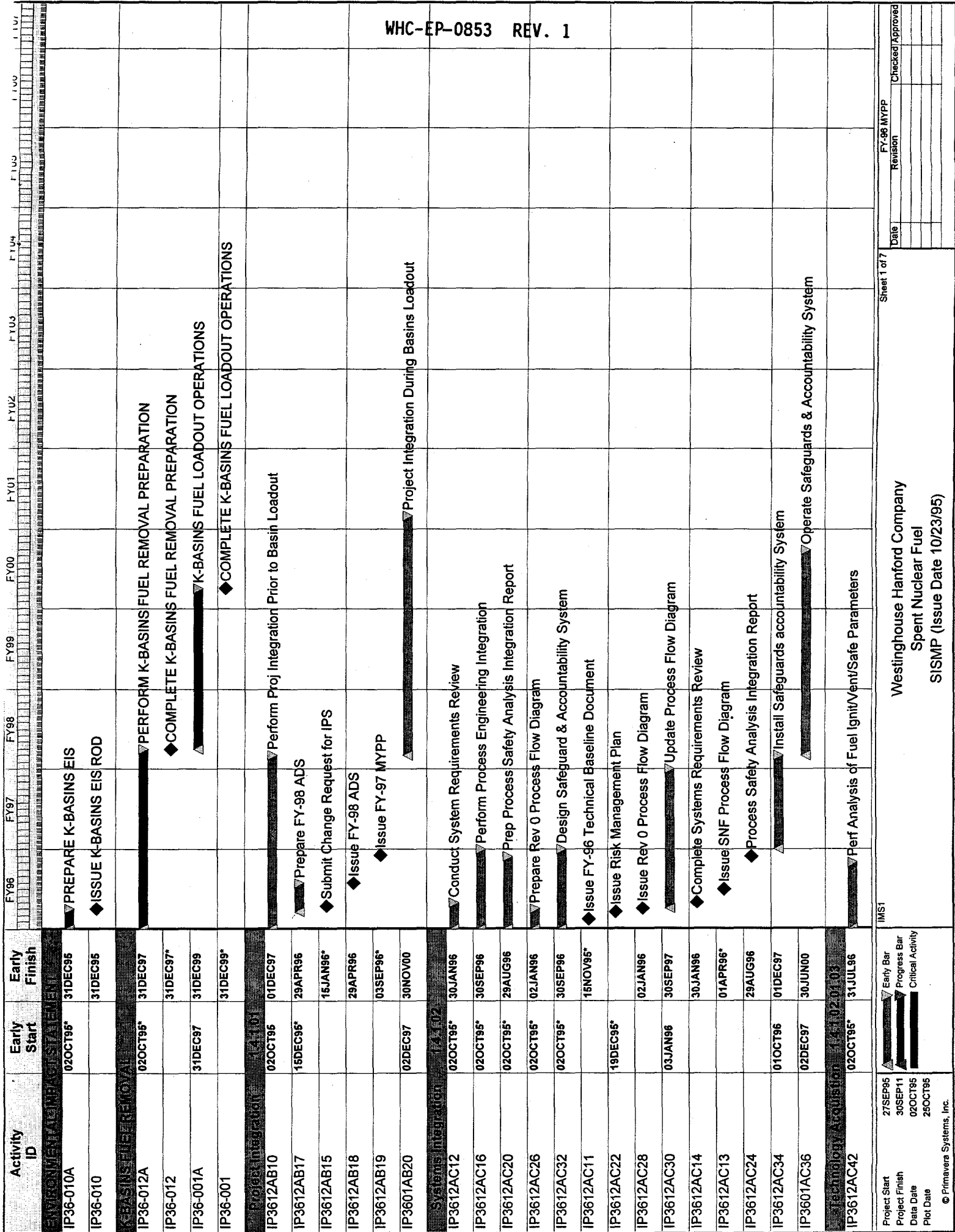
**DNFSB RECOMMENDATION 94-1
HANFORD SITE INTEGRATED STABILIZATION
MANAGEMENT PLAN
VOLUME 2: SCHEDULES**

EXECUTIVE SUMMARY

The Hanford Site Integrated Stabilization Management Plan (SISMP) was developed in support of the U.S. Department of Energy's (DOE) Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 94-1 Integrated Program Plan (IPP). Volume 1 of the SISMP identifies the technical scope and costs associated with Hanford Site plans to resolve concerns identified in DNFSB Recommendation 94-1. Volume 2 of the SISMP provides the Resource Loaded Integrated Schedules for Spent Nuclear Fuel Project and Plutonium Finishing Plant activities identified in Volume 1 of the SISMP.

Appendix A provides the schedules and progress curves related to spent nuclear fuel management. Appendix B provides the schedules and progress curves related to plutonium-bearing material management. Appendix C provides programmatic logic diagrams that were referenced in Volume 1 of the SISMP.

APPENDIX A
HANFORD SITE SPENT NUCLEAR FUEL SCHEDULES



IMS1

Project Start	27SEP95	Early Bar
Project Finish	30SEP11	Progress Bar
Date Date	02OCT95	Critical Activity
Plot Date	25OCT95	

© Primavera Systems, Inc.

Westinghouse Hanford Company
Spent Nuclear Fuel
SISMP (Issue Date 10/23/95)

Sheet 1 of 7

FY-96 MYPP

Revision

Date

Checked Approved

Activity ID	Early Start	Early Finish	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
IP3612AC46	02OCT95*	30SEP97												
Characterization														
IP3612AC50	02OCT95*	29FEB96												
IP3612AC54	02OCT95*	28JUN96												
IP3612AC60	02OCT95*	02JAN98												
IP3612AC72	02OCT95*	30SEP96												
IP3612AC76	02OCT95*	30SEP96												
IP3612AC78		15DEC95*												
IP3612AC70	02JAN96*	31MAR98												
IP3612AC52		29FEB96												
IP3612AC82	01MAY96*	30SEP96												
IP3612AC56		28JUN96												
IP3612AC62		28JUN96*												
IP3612AC64	01JUL96*	30APR98												
IP3612AC84	01JUL96*	02JAN97												
IP3612AC74	05AUG96*	31MAR97												
IP3612AC66		30SEP96*												
IP3612AC80		30SEP96												
IP3612AC86	01APR97	31MAR99												
K-Basins Maint & Operations														
IP3612AD10	02OCT95*	01DEC97												
IP3612AD30	02OCT95*	29MAR96												
IP3612AD16		29DEC95*												
IP3612AD12		26MAR96*												
IP3612AD14		29MAR96*												
IP3601AD20	21OCT97*	30NOV00												
IP3601AD40		30NOV00												
K-Basins Facility Project														
IP3612AE22	02OCT95*	29APR97												
IP3612AE30	02OCT95*	30SEP96												
IP3612AE34	02OCT95*	30JUN97												

WHC-EP-0853 REV. 1

Project Start 27SEP95	Project Finish 30SEP11	Project Date 02OCT95	Plot Date 25OCT95	Early Bar Progress Bar Critical Activity	IMS1	Westinghouse Hanford Company Spent Nuclear Fuel SISMP (Issue Date 10/23/95)	Sheet 2 of 7	FY-98 MYPP Date Revision Checked Approved
--------------------------	---------------------------	-------------------------	----------------------	--	------	---	--------------	---

Activity ID	Early Start	Early Finish	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
IP3612AE36	02OCT95*	30JUN97												
IP3612AE24		30OCT95*												
Design/Instl Support Fac for Basin Loadout Opns														
IP3612AF15	02OCT95*	10MAY96												
Design/Instl Support Fac for Basin Loadout Opns														
IP3612AG14	02OCT95*	02JAN96												
IP3612AG40	02OCT95*	28APR97												
IP3612AG20		03OCT95*												
IP3612AG24	16OCT95*	15AUG96												
IP3612AG16		02JAN96*												
IP3612AG22		01FEB96*												
IP3612AG26		15AUG96*												
IP3612AG42		29AUG96*												
IP3612AG35	01OCT96*	29APR97												
IP3612AG30	17DEC96*	15AUG97												
IP3612AG45	29APR97*	01DEC97												
IP3601AG46	02DEC97													
IP3601AG50	02DEC97	30NOV99												
IP3601AG56		30NOV99												
Water Removal/Disposition 14-1-04-06														
IP3612AJ32	02OCT95*	15NOV95												
IP3612AJ35	02OCT95*	07FEB96												
IP3612AJ37	02OCT95*	28FEB96												
IP3612AJ33		15NOV95*												
IP3612AJ31		22DEC95*												
IP3612AJ36		07FEB96*												
IP3612AJ40	08FEB96*	30SEP97												
IP3612AJ39		29FEB96*												
IP3612AJ43	01MAR96*	01JUL96												
IP3612AJ41		30SEP97												
IP3601AJ45	01OCT97*	29SEP00												

Westinghouse Hanford Company Spent Nuclear Fuel SISMP (Issue Date 10/23/95)														
Sheet 3 of 7														
FY-96 MYPP														
Revision														
Date														
Checked/Approved														

Activity ID	Early Start	Early Finish	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
IP3612AK55	02JAN96*	30SEP96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Cask Transportation System 1.4.1.06														
IP3612AL60	02OCT95*	12FEB96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AL66	02OCT96*	08NOV96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AL64	04DEC95*	14MAY96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AL61		10FEB96*	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AL62	13FEB96	11NOV96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AL65		06MAY98*	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AL72	12NOV96	22MAY97	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AL70	06MAR97*	02SEP97	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AL71		02SEP97	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3601AL75	03SEP97	25FEB99	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AL73	03SEP97	01DEC97	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
Cask Transportation System 1.4.1.06														
IP3612AM12	02OCT95*	22JAN96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM14	02OCT95*	27DEC95	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM16		27DEC95*	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM20	23JAN96	07JAN97	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM24	23JAN96	18APR96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM30	23JAN96	20AUG96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM36	23JAN96	30SEP96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM50	23JAN96	16MAY96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM70	23JAN96*	01MAR96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM75	04MAR96	07OCT96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM25		25APR96*	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM51		16MAY96*	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM34		20AUG96	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM37		30SEP96*	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM26	01OCT96*	15JAN97	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
IP3612AM55	01OCT96	11MAR97	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲

WHC-EP-0853

REV. 1

IMS1

27SEP95

Project Start

30SEP95

Project Finish

02OCT95

Data Date

25OCT95

Plot Date

© Primavera Systems, Inc.

▲ Early Bar

▲ Progress Bar

▲ Critical Activity

Westinghouse Hanford Company
Spent Nuclear Fuel
SISMP (Issue Date 10/23/95)

Sheet 4 of 7

Date

Revision

Checked/Approved

FY 96 MYPP

Activity ID	Early Start	Early Finish	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
IP3612AM80	08OCT96	28AUG97												
IP3612AM46	23JAN97*	22MAY97												
IP3612AM60	23JAN97	19SEP97												
IP3612AM40	12MAR97*	10JUL97												
IP3612AM44	12MAR97	10JUL97												
IP3612AM41		09APR97*												
IP3612AM65	22SEP97	01DEC97												
Canister Storage Building 1.4.1.07.01														
IP3612AN11	02OCT95*													
IP3612AN13	02OCT95*	29MAY96												
IP3612AN18	02OCT95*	08AUG97												
IP3612AN36	02OCT95*	29DEC96												
IP3612AN38	02OCT95*	07NOV96												
IP3612AN50	02OCT95*	30DEC96												
IP3612AN34	25OCT95*	02JAN96												
IP3612AN14	01DEC95*													
IP3612AN09		02JAN96*												
IP3612AN12		02JAN96*												
IP3612AN20	29JAN96*	01OCT97												
IP3612AN16		01JUN96*												
IP3612AN40	04JUN96*	21NOV97												
IP3612AN24	01OCT96*	01DEC97												
IP3612AN26	30OCT96*	04NOV97												
IP3612AN28	02JAN97*	01DEC97												
IP3612AN22		01OCT97												
IP3612AN30		01DEC97												
Canister Storage Building Opns 1.4.1.07.02														
IP3601AO10	02DEC97*	10MAY00												
IP3601AO45	01JUL98*	30JUN00												
IP3601AO20	05JUL00*	30NOV00												
IP3601AO31		17OCT00												

Project Start 27SEP95		 Early Bar		IMS1		Westinghouse Hanford Company Spent Nuclear Fuel SISMP (Issue Date 10/23/95)		Sheet 5 of 7		FY-96 MYPP		Checked/ Approved	
Project Finish 30SEP11		 Progress Bar						Date		Revision			
Date Date 02OCT95		 Critical Activity											
Plot Date 25OCT95													
© Primavera Systems, Inc.													

Activity ID	Early Start	Early Finish	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
IP3601AO30		30NOV00												
HSNFOAA	02OCT95	31OCT97												
HSNFOAB	03NOV97	30NOV00												
HSNFOAAH20	02OCT95*	29MAR96												
HSNFOAAH30	02OCT95*	02DEC96												
HSNFOAAH40	02OCT95*	02JAN97												
HSNFOAAH45	02OCT95*	30SEP96												
HSNFOAAH76	02OCT95*	29MAY96												
HSNFOAAH82	02OCT95*	30SEP96												
HSNFOAAH85	02OCT95*	30SEP96												
HSNFOAAH90	02OCT95*	01MAY97												
HSNFOAAH46	13NOV95*													
HSNFOAAH31	12JAN96*													
HSNFOAAH48	26FEB96*													
HSNFOAAH17		29FEB96*												
HSNFOAAH21		29MAR96*												
HSNFOAAH35	29APR96*													
HSNFOAAH37	30APR96*													
HSNFOAAH78	30MAY96	22AUG96												
HSNFOAAH80	03JUN96*	30OCT96												
HSNFOAAH25		28JUN96*												
HSNFOAAH50	09JUL96*													
HSNFOAAH83	01OCT96	02JUN97												
HSNFOAAH86	01OCT96	30MAY97												
HSNFOAAH70	02DEC96*	30JUN97												
HSNFOAAH75	02DEC96	30JUN97												
HSNFOAAH27		31MAR97*												
HSNFOAAH87	02JUN97	31OCT97												
HSNFOAAH84	03JUN97	31MAR98												

Project Start

Project Finish

Plot Date

27SEP95

30SEP11

02OCT95

25OCT95

25OCT95

25OCT95

Early Bar

Progress Bar

Critical Activity

IMS1

Westinghouse Hanford Company

Spent Nuclear Fuel

SISMP (Issue Date 10/23/95)

Sheet 6 of 7

FY-96 MYPP

Revision

Date

Checked

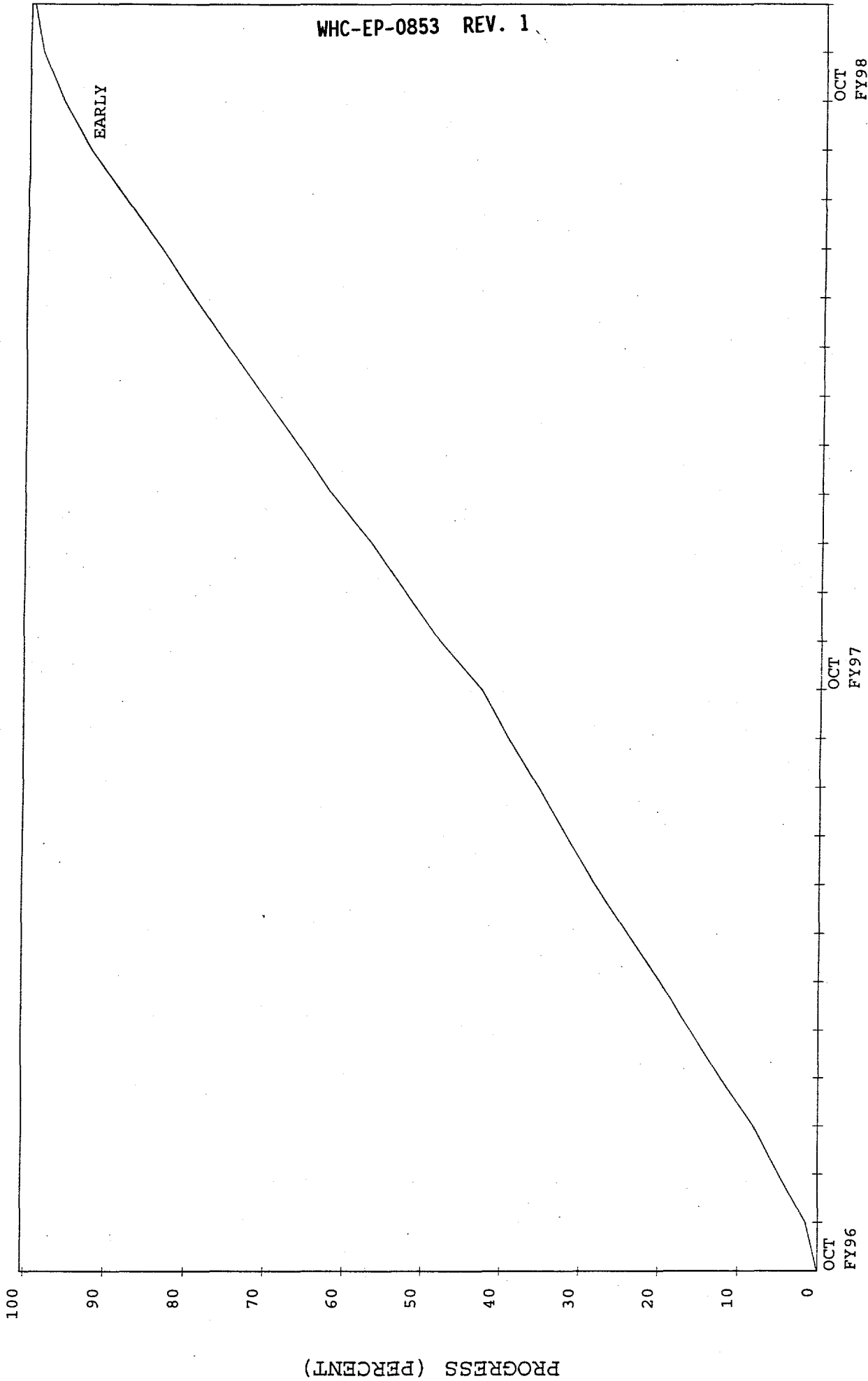
Approved

Activity ID			Early Start	Early Finish	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07					
K-BASINS DEBRIS REMOVAL																					
HSNF0BA		02OCT95	29OCT98																		
HSNF0BB		30OCT98	28SEP00																		
Debris Removal																					
HSNF0BAI15		02OCT95*	30SEP96																		
HSNF0BAI20		16NOV95	08MAR96																		
HSNF0BAI19		12DEC95*																			
HSNF0BAI25			08MAR96*																		
HSNF0BAI30			30JUL96*																		
HSNF0BAI35			30SEP96																		
HSNF0BAI40		01OCT97*	03FEB98																		
HSNF0BAI45		04FEB98	29OCT98																		
FUEL CONDITIONING																					
HSNF0CA		02OCT95	30JUN98																		
HSNF0CB		01JUL98	30JUN00																		
Conditioning Fac. Acquisition 1.4.1.08.01																					
HSNF0CAP14		02OCT95*	28FEB96																		
HSNF0CAP18		02OCT95*	27DEC96																		
HSNF0CAP20		02OCT95*	30MAR98																		
HSNF0CAP22		02OCT95*	15MAY97																		
HSNF0CAP25		03JAN96*	30MAR98																		
HSNF0CAP17			28FEB96																		
HSNF0CAP16			28MAR96*																		
HSNF0CAP23			01JUN96*																		
HSNF0CAP24			28JUN96*																		
HSNF0CAP28		03FEB97*	30JUN98																		
HSNF0CAP30			30JUN98																		
HSNF0CAP31			30JUN98																		
Conditioning Fac Operations 1.4.1.08.02																					
HSNF0CBQ20			30JUN00																		
HSNF0CBQ30			30JUN00																		
HSNF0CBQ35		05JUL00	27JAN04																		
Deactivate Conditioning Facility																					
Project Start					27SEP95													IMS1			
Project Finish					30SEP11													Early Bar			
Data Date					02OCT95													Progress Bar			
Plot Date					25OCT95													Critical Activity			
© Primavera Systems, Inc.																					
Westinghouse Hanford Company					Sheet 7 of 7																
Spent Nuclear Fuel					Revision																
SISMP (Issue Date 10/23/95)					Date																
					Checked/Approved																

Westinghouse Hanford Company
Spent Nuclear Fuel
SISMP (Issue Date 10/23/95)

IMS1

Project Start	27SEP95	Early Bar
Project Finish	30SEP11	Progress Bar
Data Date	02OCT95	Data Date
Plot Date	25OCT95	Critical Activity
© Primavera Systems, Inc.		



FISCAL YEAR

Westinghouse Hanford Company
SISMP (Issue Date 10/23/95)
IP36-012 FUEL REMOVAL PREPARATION

Sheet 1 of 1

Project Start 10CT92
Project Finish 30SEP11
Data Date 23OCT95
Plot Date 24OCT95

(c) Primavera Systems, Inc.

Schedule dates

SMS

Date

Revision

FY-96 MYPP

Checked

Approved

Project Start	06-27-95		PLT1	Westinghouse Hanford Company SISMP (Issue Date 10/23/95) IP36-001A FUEL LOADOUT	Sheet 1 of 1	Date Revision FY-96 MYPP Checked/Approved
Project Finish	08-30-11					
Date Date	10-02-95					
Plot Date	10-24-95					

© Primavera Systems, Inc.

APPENDIX B
PLUTONIUM-BEARING MATERIALS SCHEDULES

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PLUTONIUM SOLUTIONS Plutonium Solutions Processing ◇ M/S IP-3.1-022 - Begin Processing Solutions Preparation Phase ◇ M/S IP-3.1-017 Processing Completed Production Phase ...Vertical Calciner PUREX Solution Discard ◇ M/S IP-3.1-024 Comp Trans 22,700 L PUREX Sol ◇ M/S IP-3.1-014 Venting Verification Complete ◇ M/S IP-3.1-015 220 L of Chloride Sol Stabilized Develop Testing Chloride Solutions IP-3.1-015 Developmental Testing (IP-3.1-021) ◇ M/S-M (IP-3.1-021) Complete Solution Tech Dvlpmt Engineering Study Location Assessment Design Safety Analysis Fabrication Procurement Site Preparation ORR Scoping Installation Develop Procedures Training Testing Operational Readiness Review Startup Processing (IP-3.1-022) Vertical Calciner Processing														
IP31022	30JUN97													
IP31022A	22MAR95A	27JUN97												
IP31017		28JAN99												
IP31017A	30JUN97	28JAN99												
IP31023	1JUN94A													
IP31024A	1JUN94A	30APR95A												
IP31024		30APR95A												
IP31014		16MAY95A												
IP31015		29SEP95A												
IP31015A	22MAR95A	29SEP95A												
IP31021A	22MAR95A	29MAR96												
IP31021		29MAR96												
IP31022B	3JUL95A	29JAN96												
IP31022C	3JUL95A	29JAN96												
IP31022D	30JAN96	1JUL96												
IP31022E	30JAN96	1JUL96												
IP31022F	2JUL96	1OCT96												
IP31022G	2JUL96	1OCT96												
IP31022H	2JUL96	1OCT96												
IP31022I	2OCT96	10JAN97												
IP31022J	2OCT96	2APR97												
IP31022K	3APR97	27MAY97												
IP31022L	3APR97	27MAY97												
IP31022M	3APR97	27MAY97												
IP31022N	28MAY97	27JUN97												
IP31017B	30JUN97	31DEC97												
IP31017C	1JAN98	28JAN99												

Activity Classification: SUMMARY LEVEL

Activity

Plot Date 27OCT95

Data Date 5OCT95

Project Start 15SEP93

Project Finish 1JUN06

Activity Bar/Early Dates

Critical Activity

Progress Bar

Milestone/Flag Activity

COST ACCOUNT

941E

Westinghouse Hanford Company

Plutonium Materials Stabilization

SISMP

WORK PACKAGE

Sheet 1 of 10

Date

Revision

Checked

Approved

(c) Primavera Systems, Inc.

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PLUTONIUM RESIDUES & MIXED OXIDES <50% ASSAY Pu Residue/Mixed Oxides <50% - Existing Furnaces														
IP33033L	31JUL95A	1APR96												
IP33033J	31JAN02													
IP33033K	1SEP95A	31JAN02												
...Two Existing Muffle Furnaces														
IP33031A	1NOV94A	13JUN95A												
IP33033E	3APR95A	11JUL95A												
IP33033F	1MAY95A	30OCT95												
IP33033I	13JUN95A													
IP33033G	1SEP95A	29MAR96												
IP330332	29MAR96													
IP33033H	1APR96	10OCT96												
IP33033I	1JUL96	31JAN02												
Pu Residue/Mixed Oxides <50% - New Furnaces														
IP33033A	15JUL96													
IP33033B	22MAR95A	15JUL96												
IP33033C	31JAN02													
IP33033D	16JUL96	31JAN02												
...Six New Muffle Furnaces														
IP33033M	22MAR95A	30NOV95												
IP33033N	1MAY95A	22DEC95												
IP33033O	1AUG95A	1JAN96												
IP33033P	3AUG95A	30NOV95												
IP33033Q	3AUG95A	1FEB96												
IP33033R	20OCT95A	31OCT96												
IP33033T	4DEC95	1MAY96												
IP33033U	4DEC95	14JUN96												
IP33033V	4DEC95	14JUN96												
IP33033S	2FEB96	23FEB96												
IP33033W	2MAY96	17JUN96												

Activity Classification: SUMMARY LEVEL

Activity

Plot Date 27OCT95

Data Date 5OCT95

Project Start 15SEP93

Project Finish 1JUN06

Activity Bar/Early Dates

Critical Activity

Progress Bar

Milestone/Flag Activity

941E

WORK PACKAGE

Sheet 2 of 10

Westinghouse Hanford Company

Plutonium Materials Stabilization

SISMP

Date

Revision

Checked

Approved

(c) Primavera Systems, Inc.

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PLUTONIUM RESIDUES & MIXED OXIDES <50% ASSAY ...Six New Muffle Furnaces														
IP33033X	18JUN96	15JUL96												
IP33033Y	16JUL96	30JUL96												
IP33033Z	31JUL96	31JAN02												
IP33026A	1AUG96	31MAR98												
IP33026		31JAN00												
IP33033		30MAY02												
Pu Residue/Mixed Oxides <50% - Polycubes														
IP33028A		29MAR99												
IP33028B	20CT95A	29MAR99												
IP33029A		31JAN01												
IP33029B	30MAR99	31JAN01												
...Pyrolysis Furnaces (For Polycubes)														
IP33028C	20CT95A	5JUL96												
IP33028D	8JUL96	30SEP96												
IP33028E	8JUL96	30SEP96												
IP33028F	10CT96	2JAN97												
IP33028G	10CT96	2JAN97												
IP33028H	3JAN97	7MAR97												
IP33028I	3JAN97	15APR98												
IP33028J	16APR98	8DEC98												
IP33028K	16APR98	8DEC98												
IP33028L	16APR98	8DEC98												
IP33028M	9DEC98	29MAR99												
IP33028	30MAR99													
IP33029C	30MAR99	31JAN01												
IP33029		31JAN01												
...Facility Cleanup														
E10595	10CT93A	10CT98												
E10510	10CT94A	29DEC95												
Activity Classification: SUMMARY LEVEL														
ACTIVITY Plot Date 27OCT95 Data Date 5OCT95 Project Start 15SEP93 Project Finish 1JUN06			COST ACCOUNT Activity Bar/Early Dates Critical Activity Progress Bar Milestone/Flag Activity			WORK PACKAGE 941E			Sheet 3 of 10			Westinghouse Hanford Company Plutonium Materials Stabilization SISMP		
												Date Revision Checked Approved		

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PLUTONIUM RESIDUES & MIXED OXIDES <50% ASSAY ...Facility Cleanup														
E10515	1MAR95A	29DEC95												
E10520	1JUN95A	30NOV95												
E10530	20CT95A	30SEP97												
E10535	20CT95A	30SEP97												
E10525	1DEC95	31MAY96												
E10540	1OCT97	30SEP98												
E10545	1OCT97	30SEP98												
E10550	1OCT98	30APR99												
E10555	1OCT98	30SEP99												
E10560	1OCT99	29SEP00												
E10580	20CT00	28SEP01												
E10575	1OCT01	30SEP03												
E10585	1JAN02	31OCT02												
E10565	31JAN02	30SEP03												
E10570	31JAN02	30SEP02												
E10590	1OCT02	27FEB06												
PLUTONIUM RESIDUES & MIXED OXIDES <50% ASSAY ...Facility Cleanup														
Move Out of 15 Retired Facilities (RL-1.0.5) Planning Phase 1 Glv B TCO Ph 1 (Part RL-1.0.2, RL-1.0.3) RL3.1.4.2 Duct TCO Phase 1 (RL-3.1.5.2, RL-3.1.5.4) Planning Phase 2 241-Z Cleanup 231-Z Cleanup (RL-3.3.2.4) 291-Z Cleanup 236-Z TCO (RL-3.1.4.1) 241-Z-361 Cleanup (RL-WGAT-1) 216-Z-9 Cleanup (RL-3.3.2.3) 242-Z Cleanup (RL-3.1.6.1) Drain Lines (RL-3.1.5.1) Glovebox TCO Phase 2 (RL-1.0.2 Partial) Duct TCO Phase 2 (RL-3.1.5.3) PFP Deact (RL-3.1.2.2, -3.0.1, -1.0.2, 1.0.4pt 1.0.5)														

Activity Classification: SUMMARY LEVEL

ACTIVITY

COST ACCOUNT

Activity Bar/Early Dates

Critical Activity

Progress Bar

Milestone/Flag Activity

Plot Date 27OCT95

Data Date 5OCT95

Project Start 15SEP93

Project Finish 1JUN06

(c) Primavera Systems, Inc.

941E

WORK PACKAGE

Sheet 4 of 10

Date

Revision

Checked

Approved

SISMP

Westinghouse Hanford Company

Plutonium Materials Stabilization

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PLUTONIUM METAL & OXIDES >50% ASSAY														
Pu Metals & Oxides >50% Assay - New GB														
IP32033A	12AUG97													
IP32033B	1SEP95A	12AUG97												
IP32034A	2MAY02													
IP32034B	13AUG97	2MAY02												
...New GB With 3 New Muffle Furnaces														
IP32033C	2OCT95A	1APR96												
IP32033D	2OCT95A	1APR96												
IP32033E	2OCT95A	1APR96												
IP32033F	2APR96	2APR96												
IP32033G	3APR96	27SEP96												
IP32033H	3APR96	27SEP96												
IP32033I	3APR96	27SEP96												
IP32033K	30SEP96	29NOV96												
IP32033L	30SEP96	25JUN97												
IP32033M	2JAN97	15JUL97												
IP32033N	2JAN97	15JUL97												
IP32033O	2JAN97	15JUL97												
IP32033P	16JUL97	12AUG97												
IP32033Q	13AUG97	28NOV97												
IP32034C	1DEC97	31JAN02												
IP32033	30JUL99													
IP32027-1	31JAN02													
IP32018	31MAY02													
IP32034	31MAY02													
...Continuous Calciner														
IP32033R	1SEP95A	29MAR96												
IP32033S	29MAR96													
IP330270B	1APR96	3JUL98												
Activity Classification: SUMMARY LEVEL														
ACTIVITY														
Plot Date	27OCT95													
Data Date	5OCT95													
Project Start	15SEP93													
Project Finish	1JUN06													
(c) Primavera Systems, Inc.														
Activity Bar/Early Dates														
Critical Activity														
Progress Bar														
Milestone/Flag Activity														
9415														
COST ACCOUNT														
WORK PACKAGE														
Sheet 5 of 10														
Westinghouse Hanford Company														
Plutonium Materials Stabilization														
SISMP														
Date														
Revision														
Checked														
Approved														

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PLUTONIUM METAL & OXIDES >50% ASSAY Pu Metals & Oxides >50% Assay - Existing														
IP330270A		3 JUL98												
IP330270D		6 JUL98												
IP330270C		30 JAN02												
.....Redesign Existing														
IP32033T	1 APR96	1 JAN97												
IP32033U	1 APR96	1 JAN97												
IP32033V	1 APR96	1 JAN97												
IP32033X	2 JAN97	1 JUL97												
IP32033Y	2 JUL97	5 SEP97												
IP32033Z	2 JUL97	1 JAN98												
IP32033-A	2 JAN98	6 APR98												
IP32033-B	2 JAN98	6 APR98												
IP32033-C	2 JAN98	6 APR98												
IP32033-D	7 APR98	3 JUL98												
IP32033-E	6 JUL98	1 JAN99												
IP32034D	4 JAN99	30 JAN02												
Pu Metals & Oxides >50% Assay - New System														
IP330270E		5 JAN99												
IP330270F	1 APR96	5 JAN99												
IP330270G		2 MAY02												
IP330270H	6 JAN99	2 MAY02												
.....New Calciner System														
IP32033-F	1 APR96	1 JAN97												
IP32033-G	1 APR96	1 JAN97												
IP32033-H	1 JUL96	1 JAN97												
IP32033-I	2 JAN97	20 OCT97												
IP32033-J	2 JAN97	20 OCT97												
IP32033-K	30 OCT97	5 DEC97												
IP32033-L	30 OCT97	6 JUL98												

ACTIVITY CLASSIFICATION: SUMMARY LEVEL		COST ACCOUNT		941E		WORK PACKAGE		Sheet 6 of 10	
Plot Date 27OCT95 Data Date 5OCT95 Project Start 15SEP93 Project Finish 1JUN06		Activity Bar/Early Dates Critical Activity Progress Bar Milestone/Flag Activity		Westinghouse Hanford Company Plutonium Materials Stabilization SISMP		Date Revision Checked Approved			

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PLUTONIUM METAL & OXIDES >50% ASSAYNew Calciner System														
IP32033-M	7JUL98	6OCT98												
IP32033-N	7JUL98	6OCT98												
IP32033-O	7JUL98	6OCT98												
IP32033-P	7OCT98	5JAN99												
IP32033-Q	6JAN99	1APR99												
IP32034E	2APR99	2MAY02												
....Packaging/Loadout System														
IP32029A		29MAY98												
IP32029B	5JUL95A	29MAY98												
IP33027B		31JAN02												
IP33027C	1JUN98	31JAN02												
IP32028	5JUL95A													
IP32028A	5JUL95A	1MAY97												
IP32029C	2MAY97	30SEP97												
IP32029D	1OCT97	31DEC97												
IP32029E	1OCT97	31DEC97												
IP32029-1	1JAN98	31MAR98												
IP32030B	1JAN98	27FEB98												
IP32029		31MAR98												
IP32031A	1APR98	30APR98												
IP32031B	1APR98	30APR98												
IP32031C	1APR98	30APR98												
IP32030A	1MAY98	29MAY98												
IP32027I	1JUN98	31JAN02												
5IP32030		30SEP99												
IP32031	29OCT99													
IP32032		29SEP00												
IP33027-2		31JAN02												
IP32018-1		31MAY02												
Activity Classification: SUMMARY LEVEL														
Plot Date 27OCT95 Data Date 5OCT95 Project Start 15SEP93 Project Finish 1JUN06			COST ACCOUNT Activity Bar/Early Dates Critical Activity Progress Bar Milestone/Flag Activity			WORK PACKAGE Sheet 7 of 10			Westinghouse Hanford Company Plutonium Materials Stabilization SISMP					
									Date Revision Checked Approved					

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PLUTONIUM METAL & OXIDES >50% ASSAY ...Vault Modifications														
J10110	2JUN97	28NOV97												
J10125	1DEC97	2MAR98												
J10126	3MAR98	1JUN98												
J10127	3MAR98	1JUN98												
J10128		1JUN98												
J10135	4JUN98	3SEP98												
J10136	4SEP98	24DEC98												
J10137	4SEP98	24DEC98												
J10138		24DEC98												
J10145	25DEC98	26MAR99												
J10146	29MAR99	16JUL99												
J10147	29MAR99	16JUL99												
J10148		16JUL99												
J10155	19JUL99	18OCT99												
J10156	19OCT99	7FEB00												
J10157	19OCT99	7FEB00												
J10158		7FEB00												
J10165	8FEB00	9MAY00												
J10166	10MAY00	29AUG00												
J10167	10MAY00	29AUG00												
J10168		29AUG00												

Activity Classification: SUMMARY LEVEL

ACTIVITY Plot Date 27OCT95 Data Date 5OCT95 Project Start 15SEP93 Project Finish 1JUN06		COST ACCOUNT Activity Bar/Early Dates Critical Activity Progress Bar Milestone/Flag Activity		WORK PACKAGE Sheet 8 of 10 941B	
(c) Primavera Systems, Inc.		Westinghouse Hanford Company Plutonium Materials Stabilization SISMP			
		Date Revision		Checked Approved	

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PFP COMMON ACTIVITIES														
Common Activities														
B100001A	29MAY98													
B100001	1MAR95A	29MAY98												
B100002A	31MAY04													
B100002	3NOV97	31MAY04												
B10160	1JUN94A	28JUN96												
B10170		28JUN96												
B10130	1MAR95A	27OCT95												
B10140		27OCT95												
B10150	30OCT95	29DEC95												
B10155		29DEC95												
B10120	31MAR95A	29MAR96												
7B10110	1AUG95A	3JUN96												
...Solid Waste Operations														
B10210	2OCT95A	1JUN06												
B10220	2OCT95A	1JUN06												
...Hanford Material Container														
C10110	1MAY95A	30NOV95												
C10120	2OCT95A	29JAN96												
C10130	30JAN96	12MAR96												
C10140	13MAR96	1MAY96												
C10150		1MAY96												
...PFP Lab Support														
H10105	1NOV94A	31OCT97												
H10106	1JUN95A	2SEP97												
H10110	1JUN95A	30NOV95												
H10115	7JUN95A	6DEC95												
H10116	10OCT95	1OCT96												
H10120	7DEC95	2DEC96												
H10122	1OCT96	2DEC96												
Activity Classification: SUMMARY LEVEL														
ACTIVITY Plot Date 27OCT95 Data Date 5OCT95 Project Start 15SEP93 Project Finish 1JUN06 COST ACCOUNT Activity Bar/Early Dates Critical Activity Progress Bar Milestone/Flag Activity WORK PACKAGE Sheet 9 of 10 941B														
Westinghouse Hanford Company Plutonium Materials Stabilization SISMP Activity Bar/Early Dates Critical Activity Progress Bar Milestone/Flag Activity DATE REVISION CHECKED APPROVED														
(c) Primavera Systems, Inc.														

ACTIVITY ID	EARLY START	EARLY FINISH	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	FY06
PFP COMMON ACTIVITIES ...PFP Lab Support														
H10123	3DEC96	7FEB97				☐ ORR Scoping								
H10125	3DEC96	2JUN97				☐ Installation								
H10126	3JUN97	2SEP97				☐ Procedures								
H10128	3JUN97	2SEP97				☐ Training								
H10130	3JUN97	2SEP97				☐ Testing								
H10106A		2SEP97				☒ Preparation Phase Complete								
H10131	3SEP97	31OCT97				☐ Operational Readiness Review								
H10107	3NOV97	31MAY04												
H10140	3NOV97	31MAY04												
H10107A		31MAY04												
Z1000		1JUN06												
Production Phase Expanded Operations Production Phase Complete ☒ Finish PFP Deactivation ☒														

Activity Classification: SUMMARY LEVEL

ACTIVITY

COST ACCOUNT

Activity Bar/Early Dates
Critical Activity
Progress Bar
Milestone/Flag Activity

941E

Westinghouse Hanford Company
Plutonium Materials Stabilization
SISMP

WORK PACKAGE

Sheet 10 of 10

Plot Date 27OCT95
Data Date 5OCT95
Project Start 15SEP93
Project Finish 1JUN06

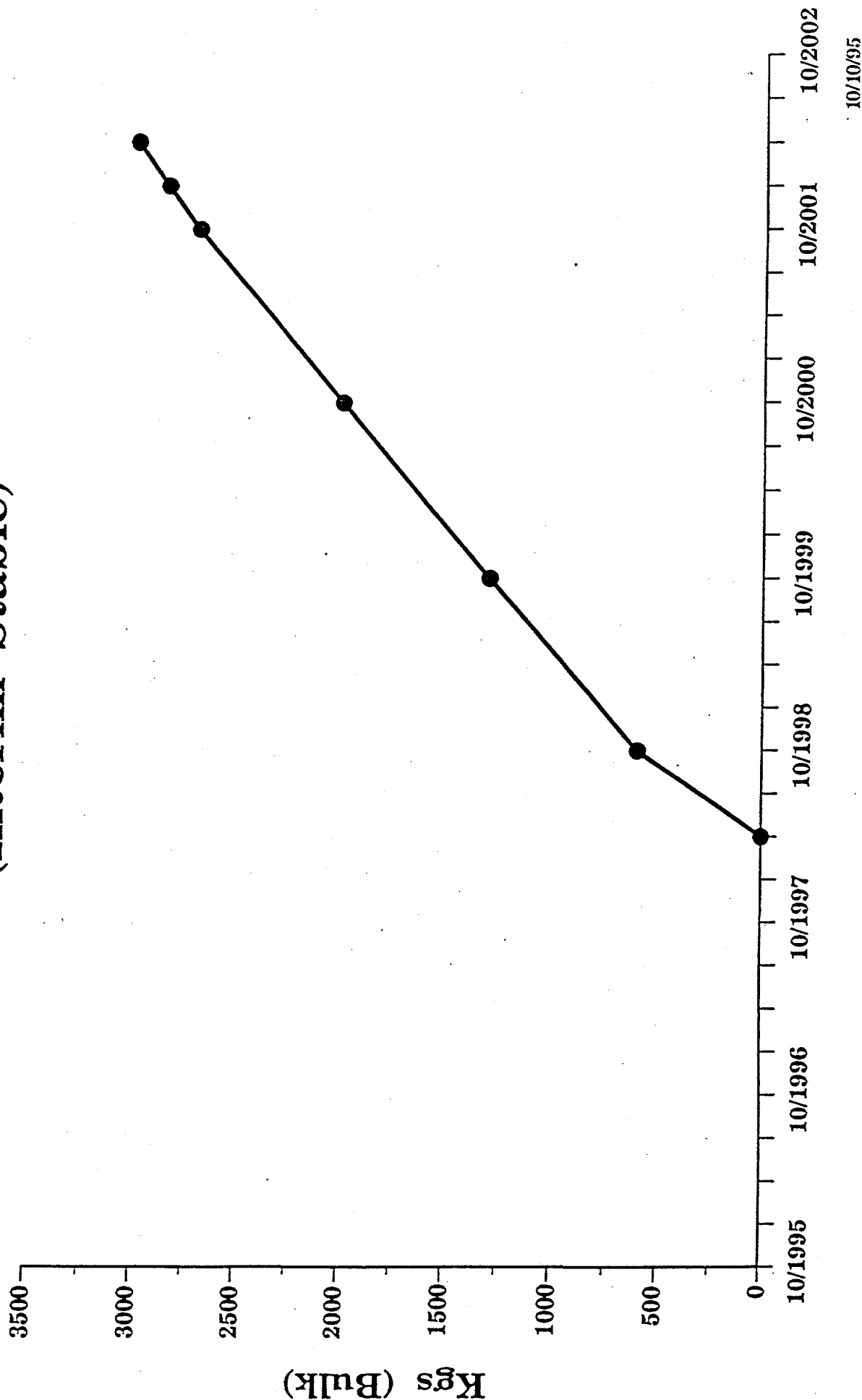
(c) Primavera Systems, Inc.



Transition Project
94-1 Stabilization Program

Westinghouse Hanford Company
Plutonium Materials Stabilization

Residues (Interim Stable)

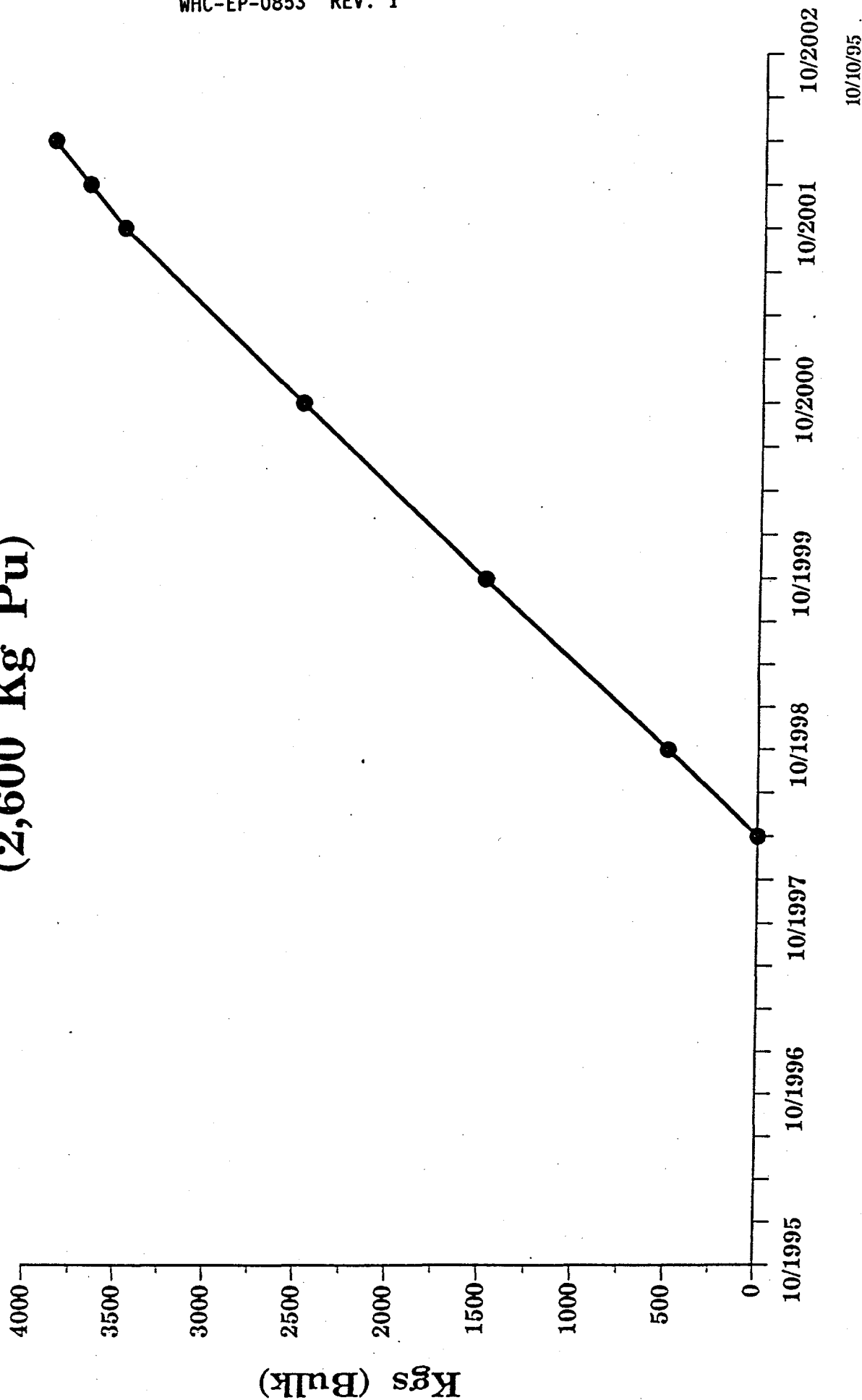




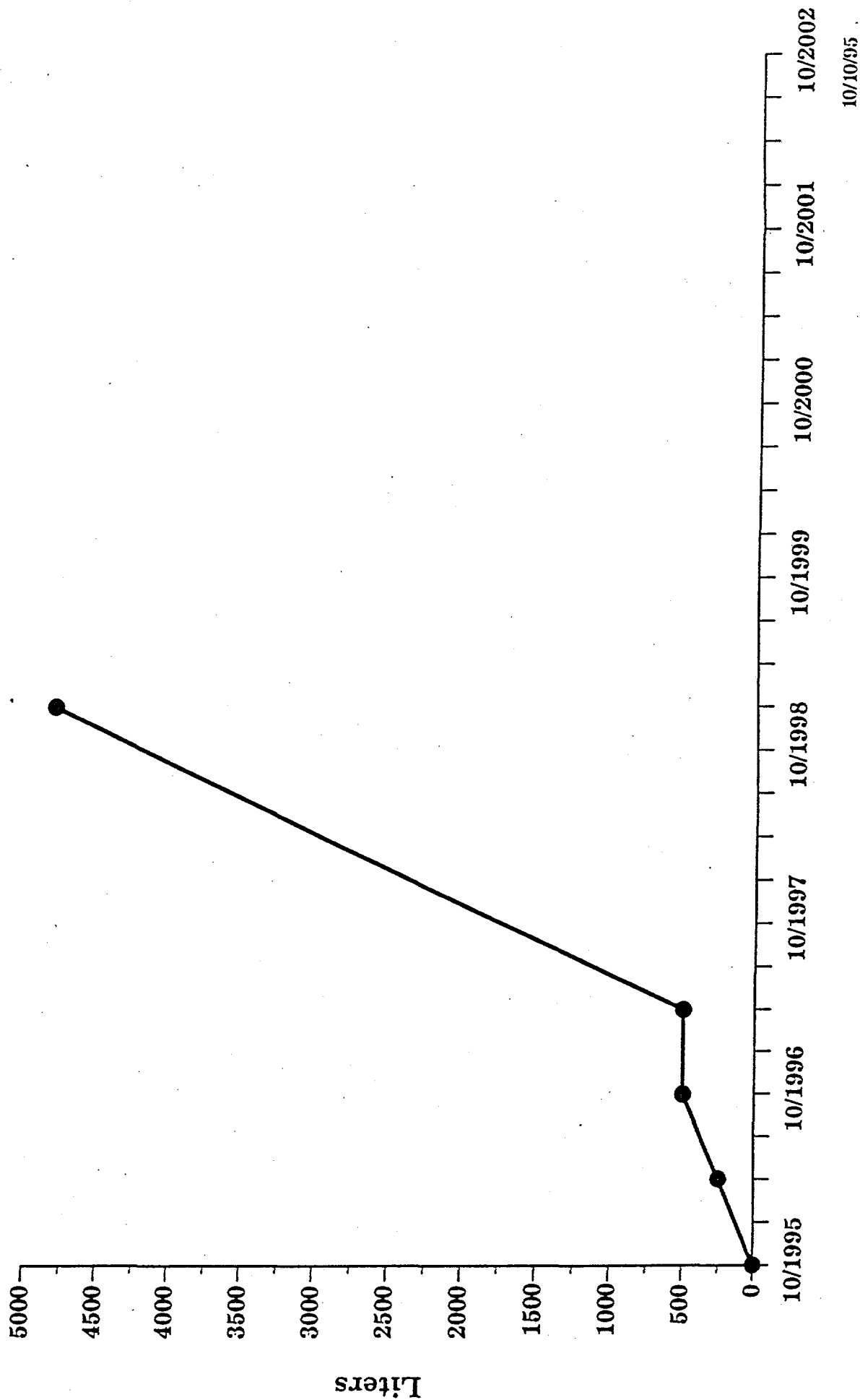
Transition Project
94-1 Stabilization Program

Westinghouse Hanford Company
Plutonium Materials Stabilization

Metals & Oxides (2,600 Kg Pu)



Solutions

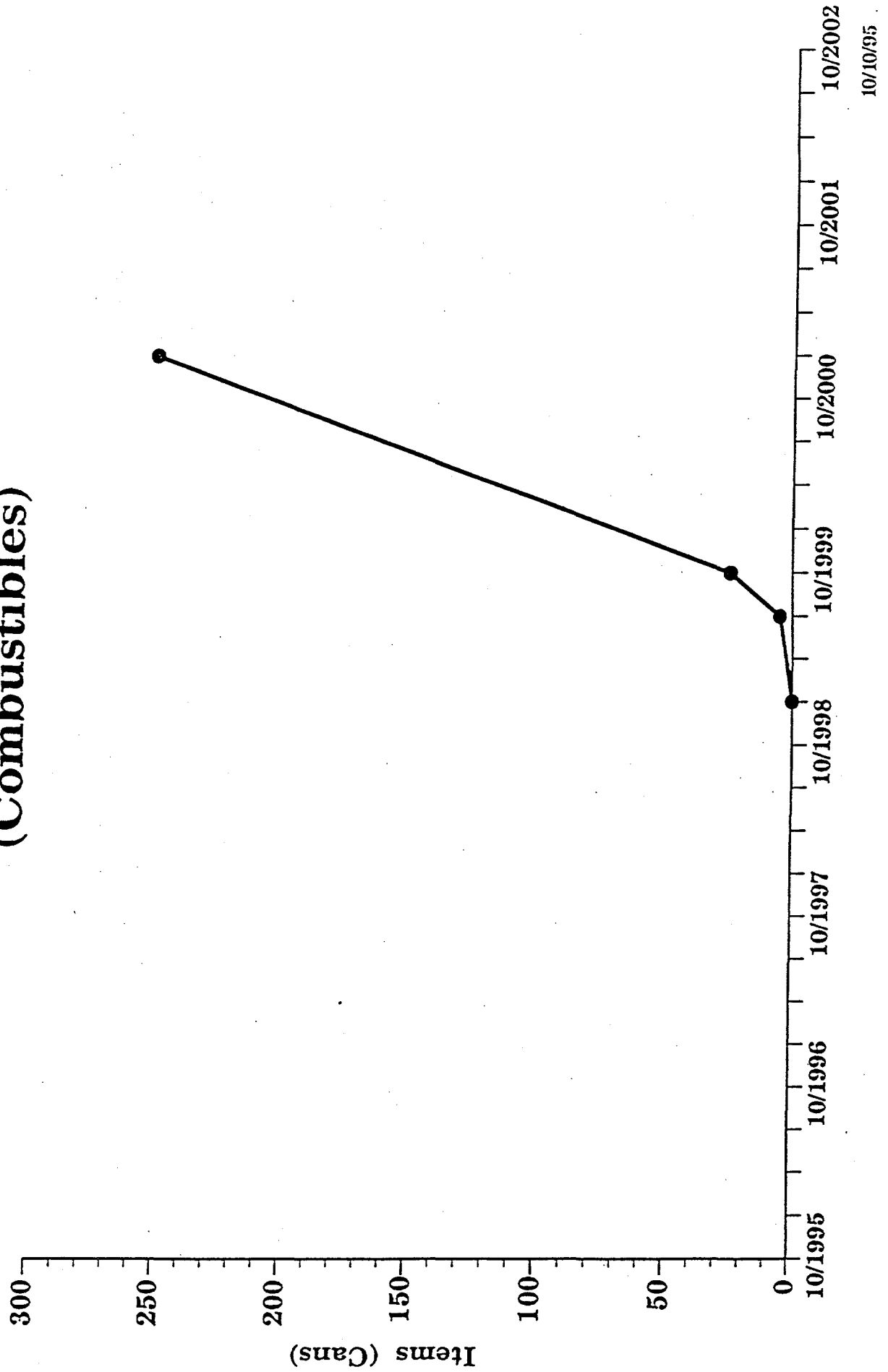




Transition Project
94-1 Stabilization Program

Westinghouse Hanford Company
Plutonium Materials Stabilization

Polycubes (Combustibles)

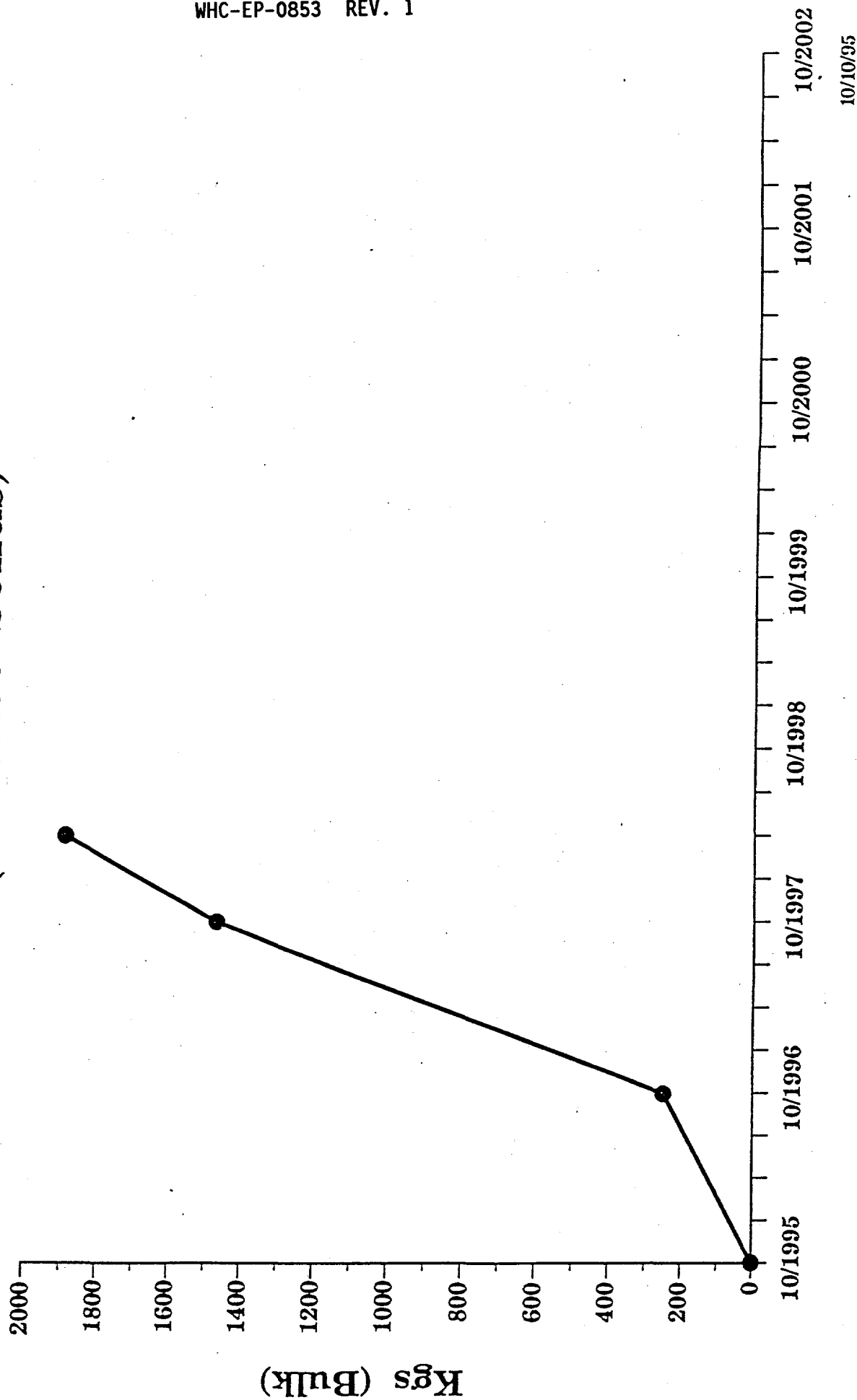




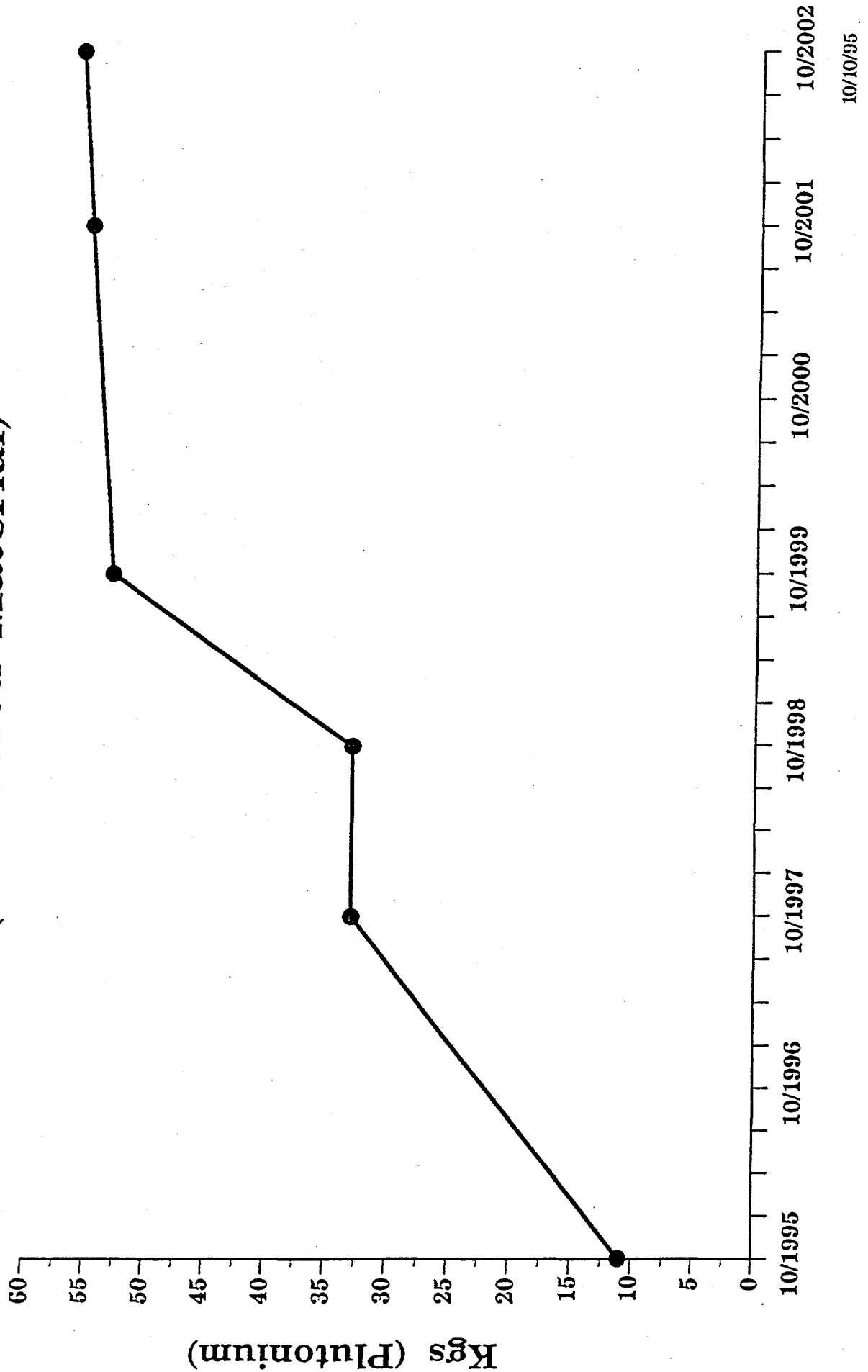
Transition Project
94-1 Stabilization Program

Westinghouse Hanford Company
Plutonium Materials Stabilization

Residues (Reactive Solids)



Residues (Recovered Material)



Westinghouse Hanford Company
Plutonium Materials Stabilization
(Dollars In Millions)

	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>TOTAL</u>
THERMAL TREATMENT								
RESIDUES	\$ 6.2	\$ 4.8	\$ 3.3	\$ 3.2	\$ 3.2	\$ 3.2	\$ 1.7	\$ 25.6
OXIDES	1.1	1.0	3.2	3.5	3.7	3.9	2.1	18.5
SOLUTIONS	1.2	2.2	1.5	0.8	0.0	0.0	0.0	5.7
COMBUSTIBLE RESIDUES	0.3	1.8	0.5	0.7	1.5	0.5	0.0	5.3
FACILITY CLEANOUT AND TCO	2.8	3.3	2.7	3.8	2.3	1.9	4.7	21.5
PACKAGING AND STORAGE	0.9	3.5	14.3	2.1	2.4	0.9	0.4	24.5
LABORATORY SUPPORT	1.4	1.1	1.5	1.5	1.5	1.6	1.6	10.2
PROJECT MANAGEMENT	2.2	3.1	3.2	3.3	3.4	3.6	3.7	22.5
FACILITY MODIFICATIONS/SUPPORT	3.4	2.6	N/A *	2.0	1.7	0.2	0.5	10.4
TOTAL	\$ 19.5	\$ 23.4	\$ 30.2	\$ 20.9	\$ 19.7	\$ 15.8	\$ 14.7	\$ 144.2

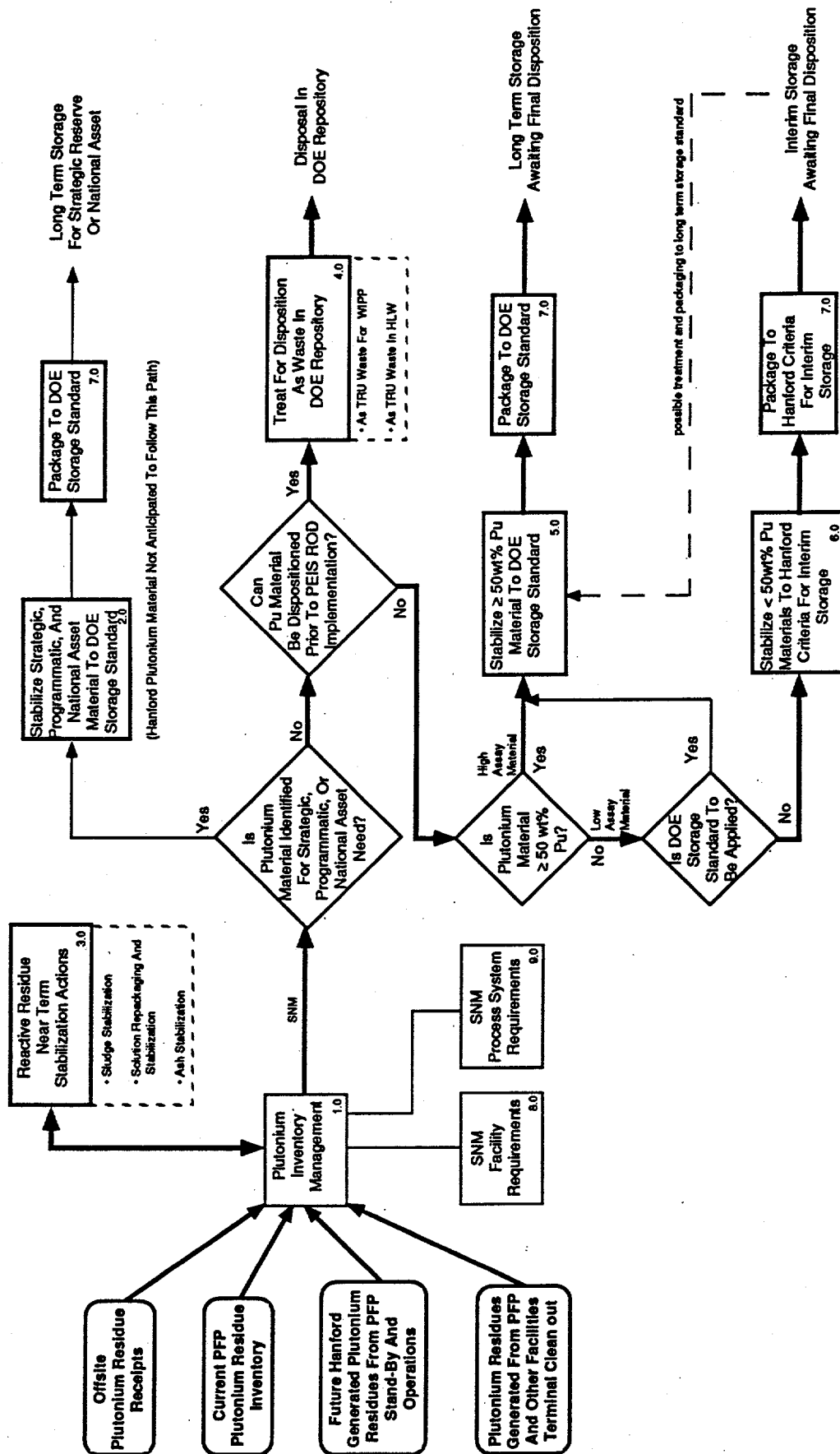
* SEE PACKAGING & STORAGE

WHC-EP-0853 REV. 1

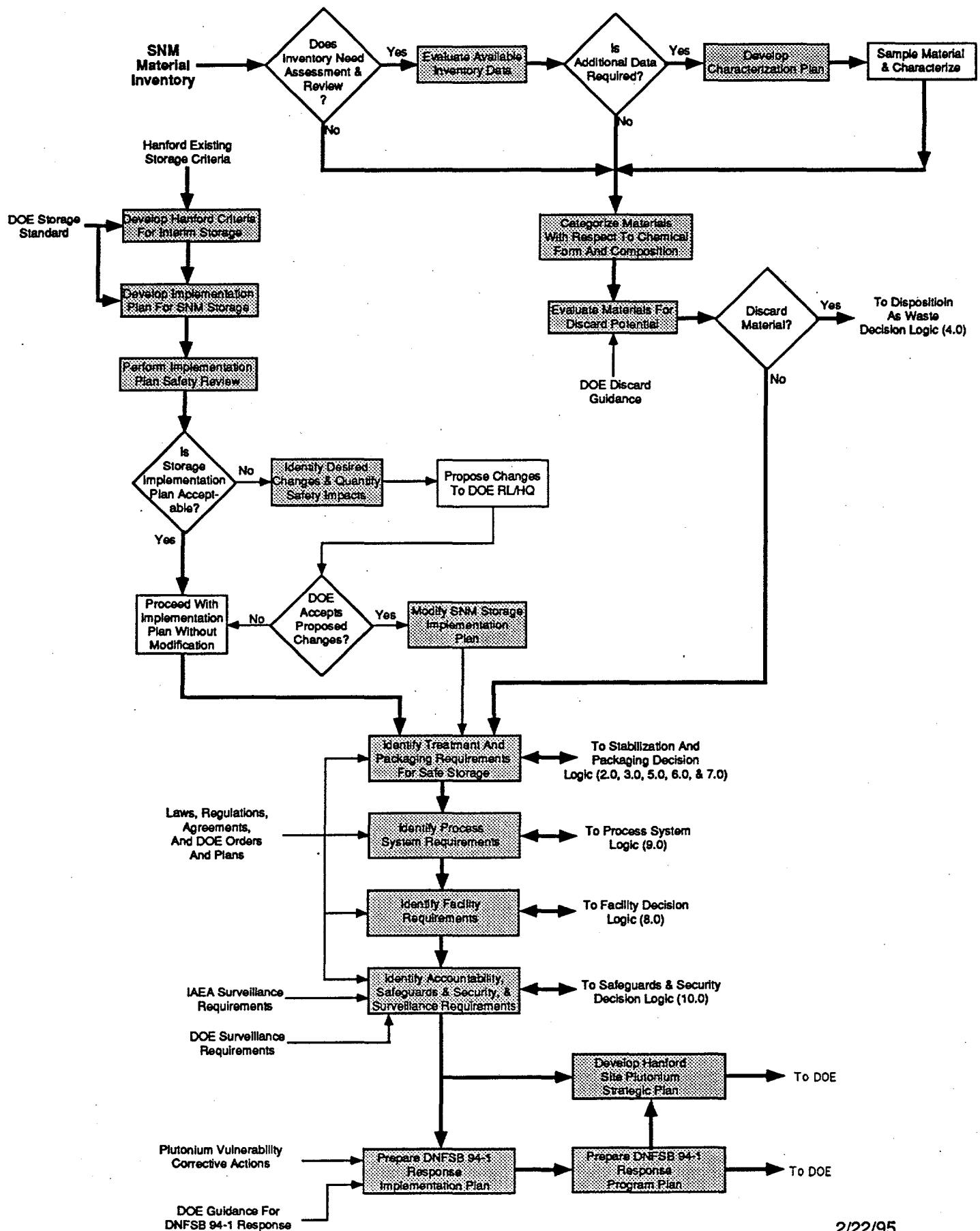
APPENDIX C

PLUTONIUM-BEARING MATERIALS
PROGRAMMATIC LOGIC DIAGRAMS

TOP-LEVEL PLUTONIUM DISPOSITION LOGIC

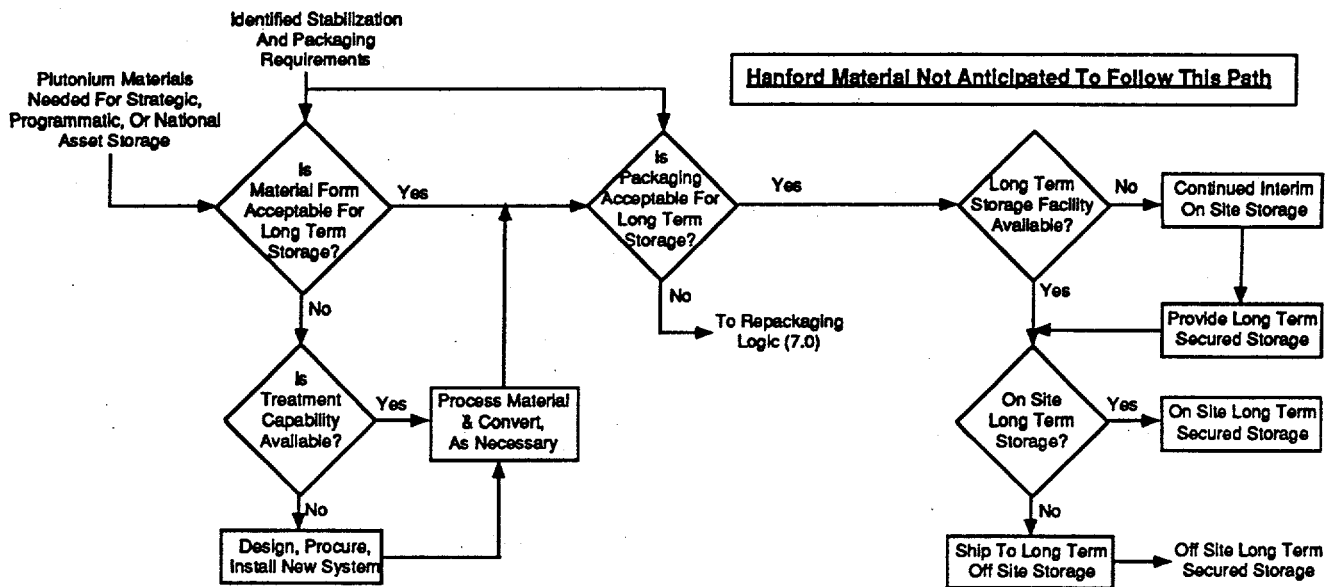


WHC-EP-0853 REV. 1
PLUTONIUM INVENTORY MANAGEMENT LOGIC (1.0)

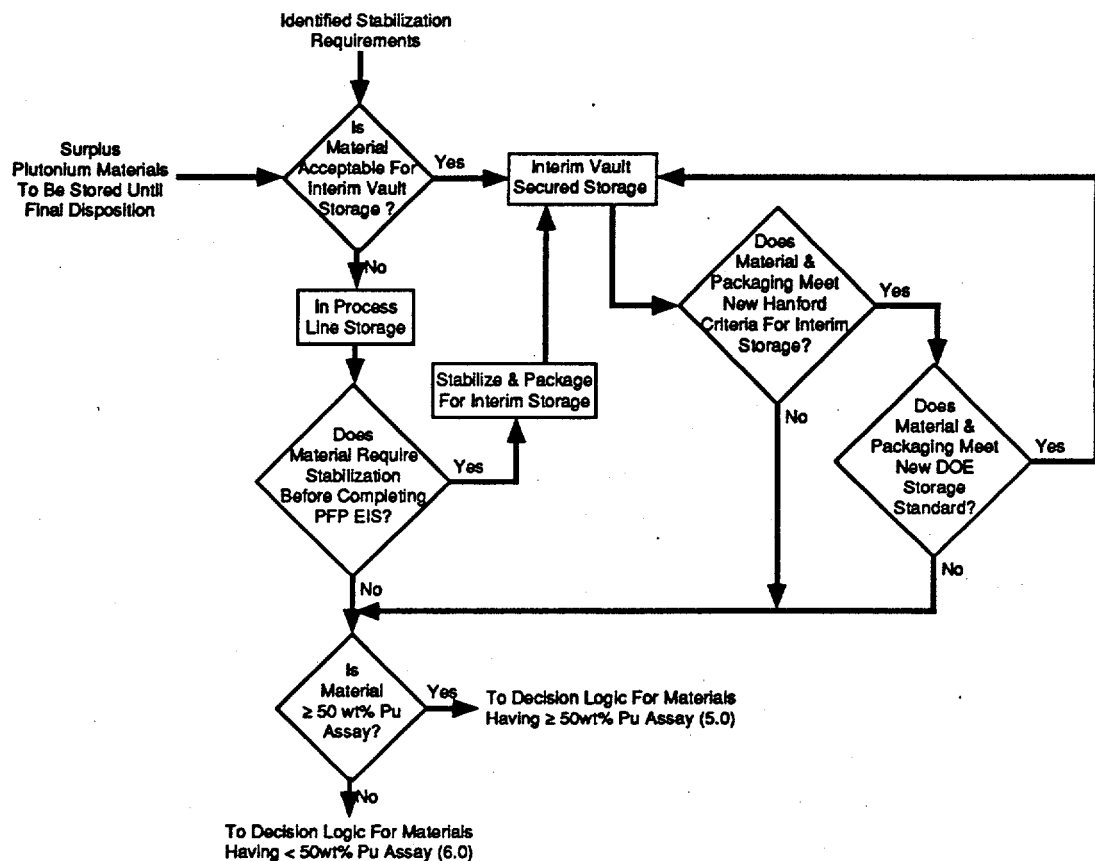


2/22/95

DECISION LOGIC FOR STRATEGIC, PROGRAMMATIC, AND NATIONAL ASSET MATERIALS (2.0)

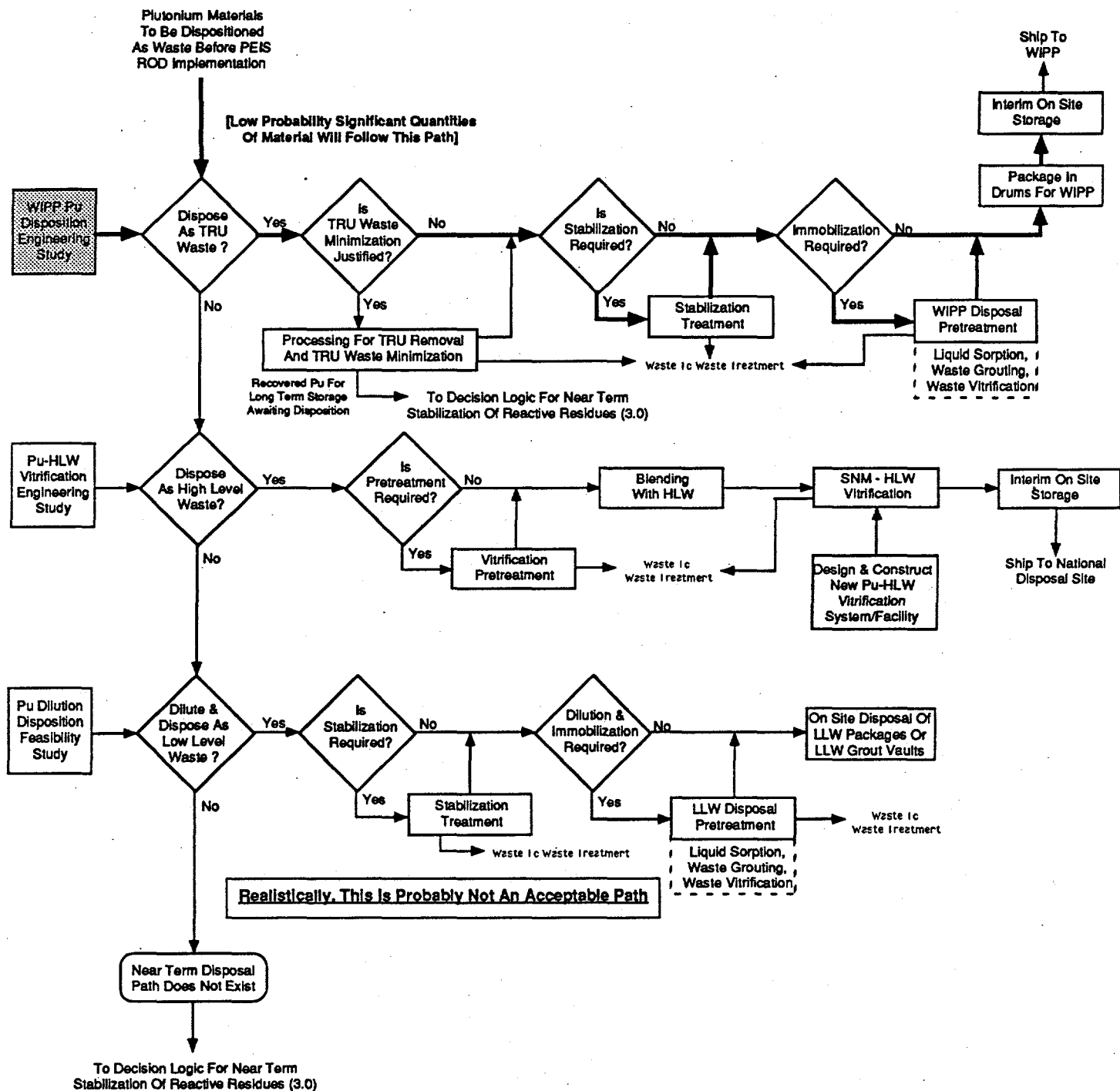


DECISION LOGIC FOR NEAR TERM STABILIZATION OF REACTIVE RESIDUES (3.0)

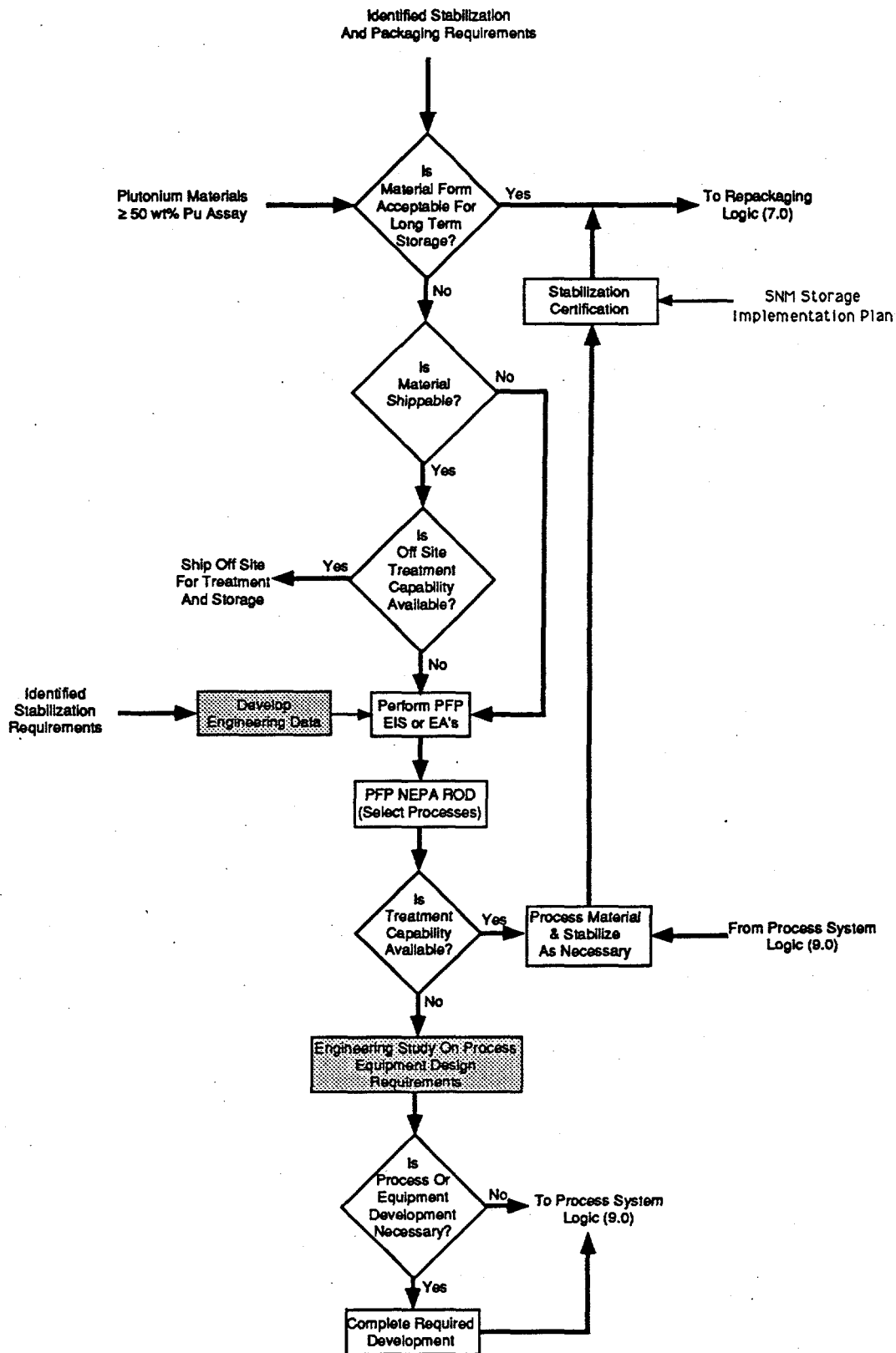


2/22/95

DECISION LOGIC FOR DISPOSITION OF PLUTONIUM AS WASTE (4.0)

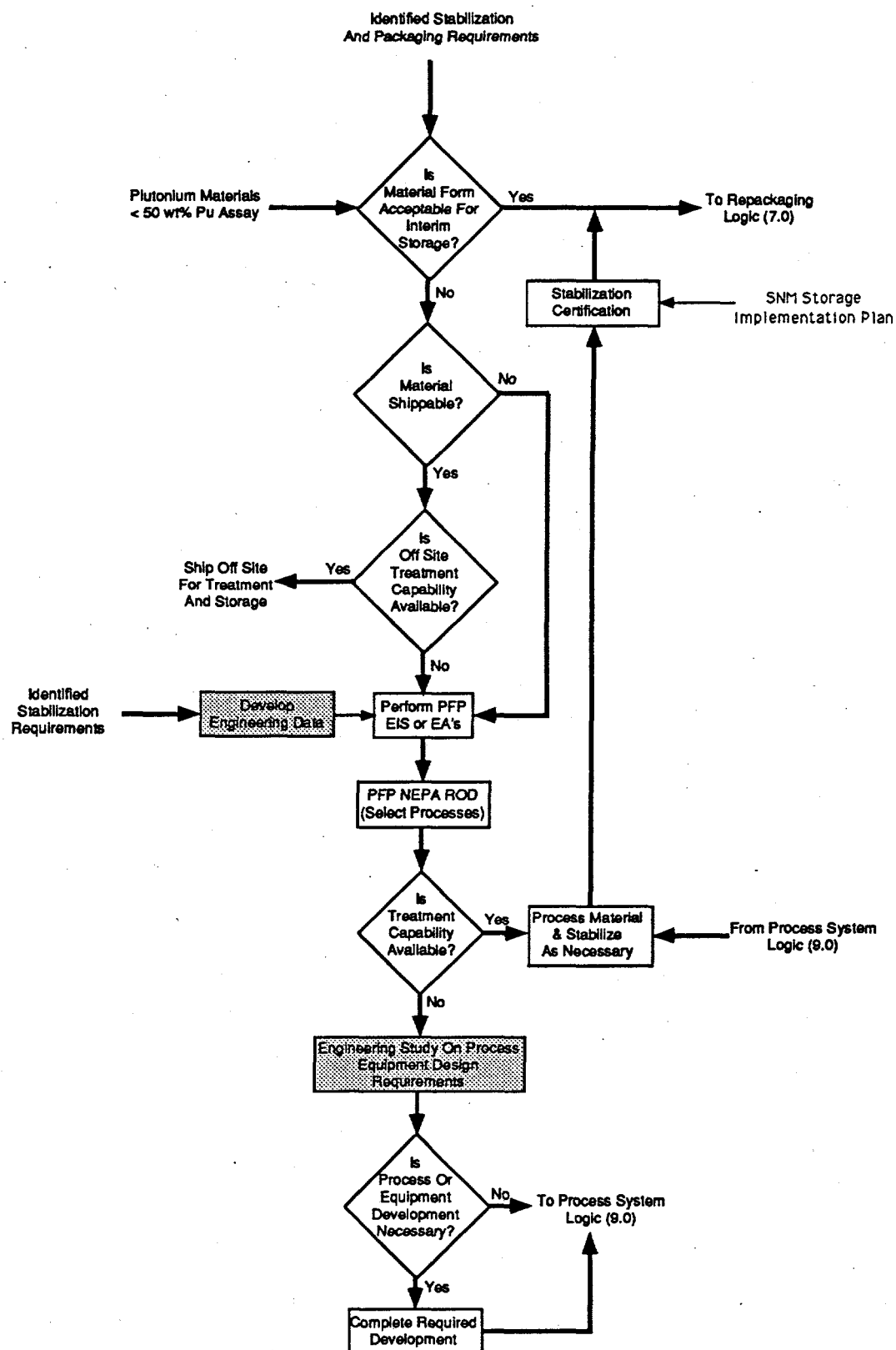


2/22/95

DECISION LOGIC FOR MATERIALS ≥ 50 WT% PU ASSAY (5.0)

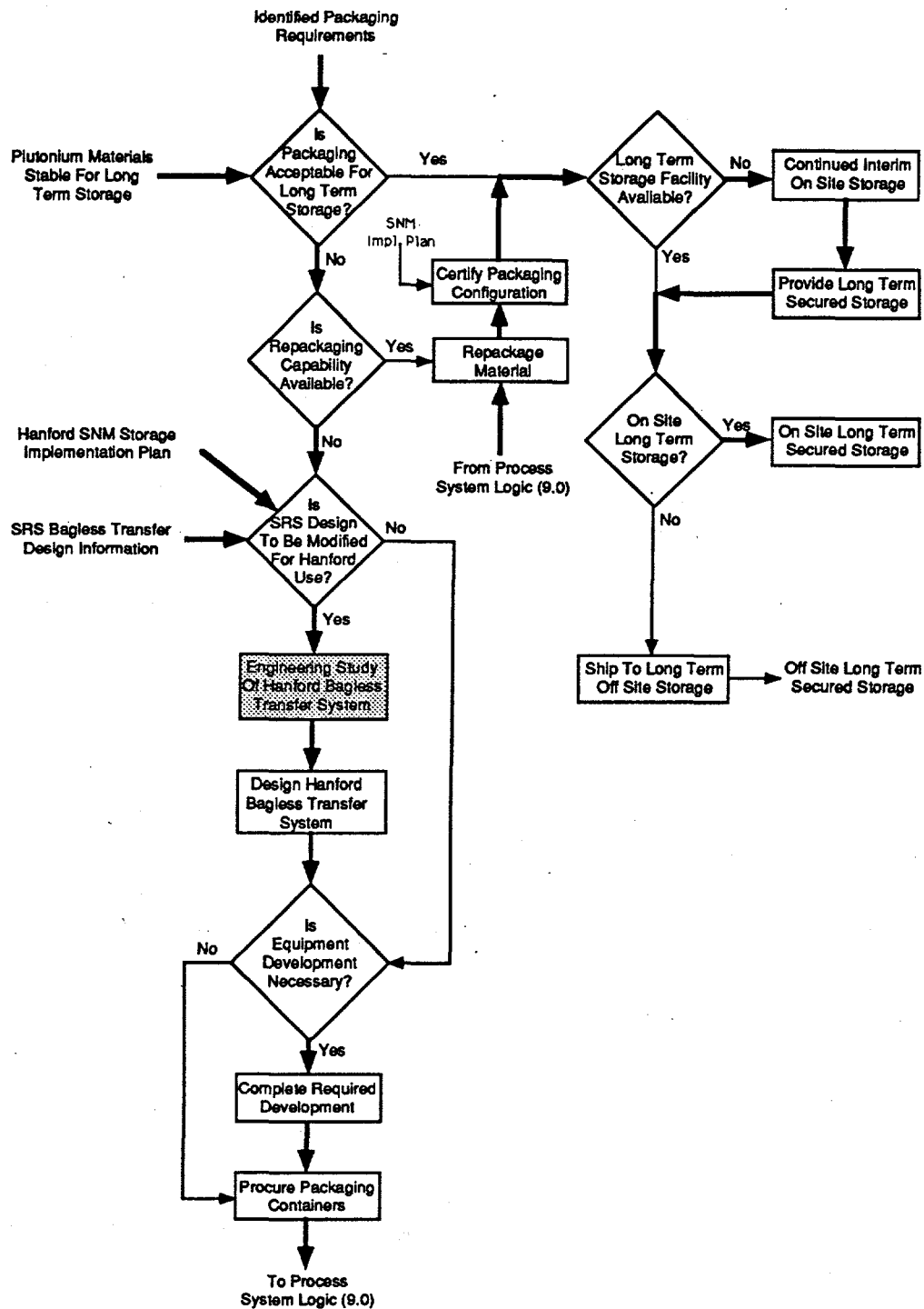
2/22/95

DECISION LOGIC FOR MATERIALS <50 WT% PU ASSAY (6.0)



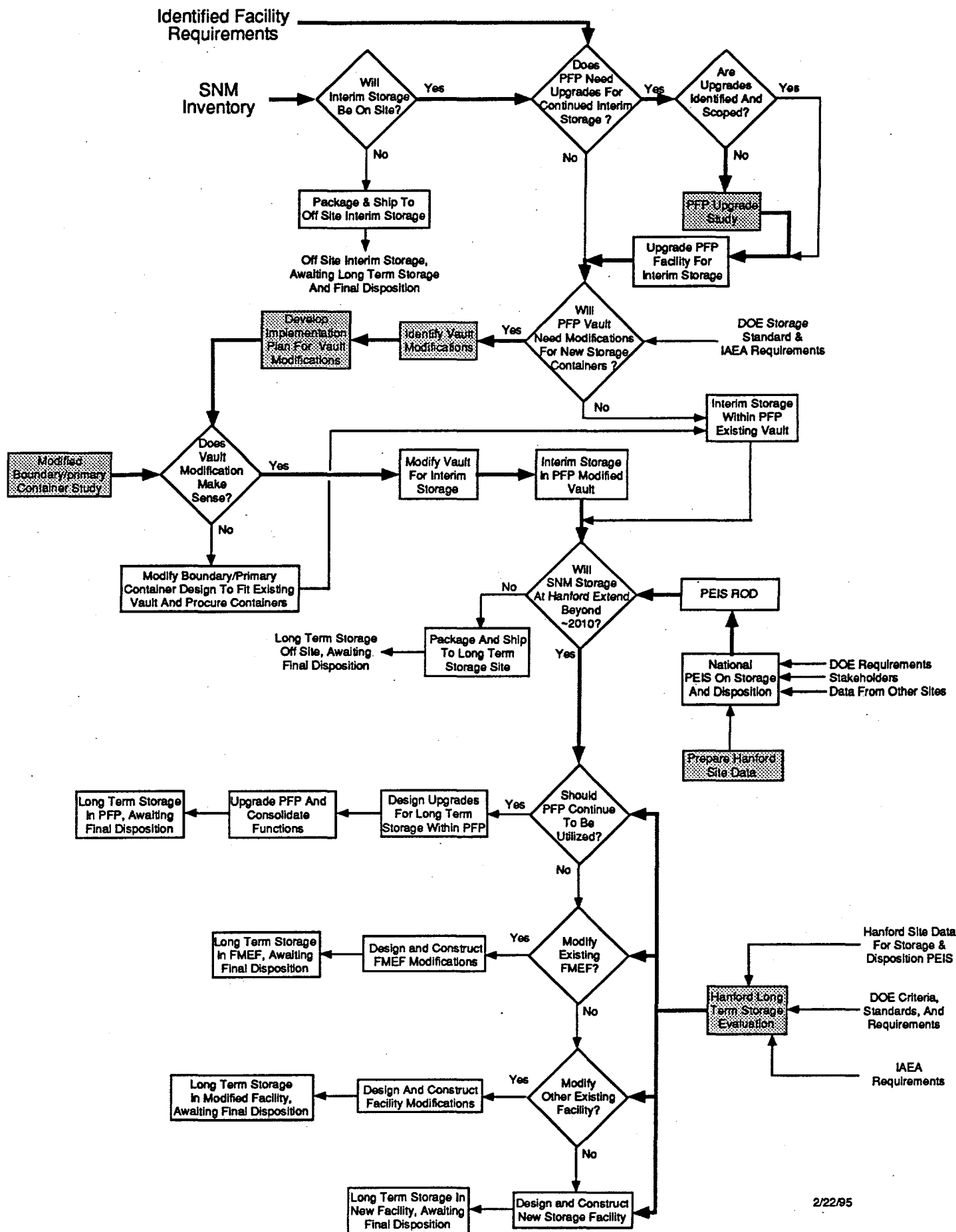
2/22/95

PLUTONIUM MATERIAL REPACKAGING LOGIC (7.0)



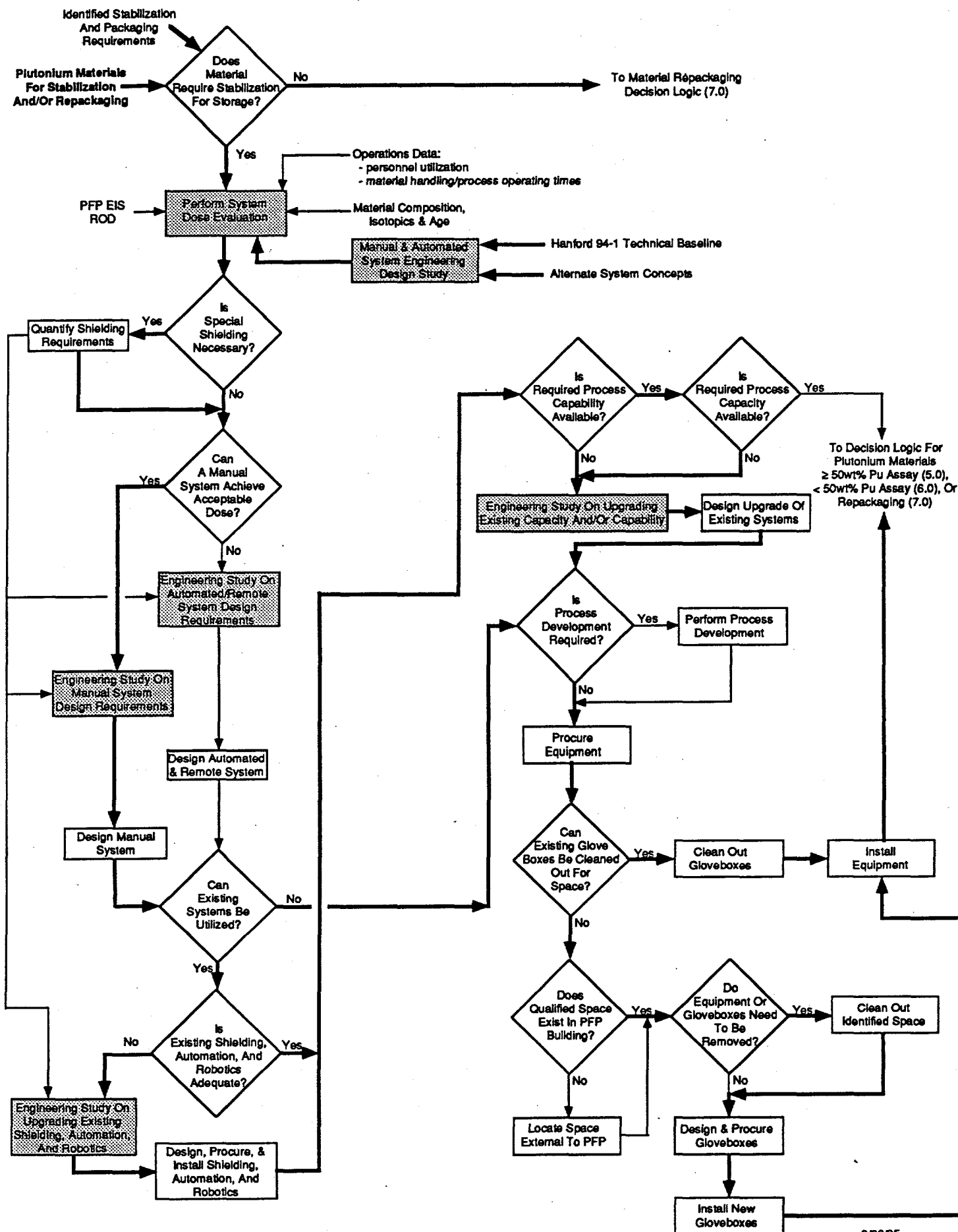
2/22/95

FACILITY DECISION LOGIC (8.0)



2/22/95

PROCESS SYSTEMS DECISION LOGIC (9.0)



2/22/95

DISTRIBUTIONNumber of CopiesONSITE

14	<u>U.S. Department of Energy- Richland Operations Office</u>	
	R. A. Almquist	N2-36
	A. J. Colburn (5)	A5-58
	D. C. Langstaff	K8-50
	E. D. Sellers	S7-41
	D. W. Templeton (5)	R3-79
	Public Reading Room	H2-53
3	<u>Pacific Northwest Laboratory</u>	
	J. H. Jarrett	P8-34
	D. K. Kreid	K9-21
	Hanford Technical Library	P8-55
38	<u>Westinghouse Hanford Company</u>	
	A. B. Carlson	T4-02
	G. B. Chronister	T5-50
	G. J. Cox (5)	T5-50
	J. C. Fulton	R3-11
	E. W. Gerber	R3-86
	M. W. Gibson	T5-55
	S. Guttenberg	N2-53
	K. R. Herzog (5)	T5-50
	T. E. Huber	T5-50
	R. K. Hulvey	N2-33
	S. L. Magnani	R3-85
	R. L. McCormack	R3-86

Westinghouse Hanford Company (cont'd)

M. J. Monthey	R3-86
A. N. Praga (10)	R3-86
J. M. Steffen	N1-47
E. C. Vogt	T5-50
J. C. Womack	R3-86
SNF-PF	R3-11
OSTI (2)	A3-36
Central Files	A3-88